B²B Index

Printing Inks, Specialist

Purchasing World Report







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B²B Index

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B²B Purchasing World Report

Printing Inks, Specialist

The **Purchasing World Report** is an extract of the main database and provides a number of limited datasets for each of the countries covered. For users needing more information, detailed data on Printing Inks, Specialist is available in several Editions and Database versions. Users can order (at a discount) any other Editions, or the Database versions, as required from the After-Sales Service or from any Dealer.

This research provides data the Buying of Materials, Products and Services used for Printing inks, specialist.

Contents

B ² B Purchasing World Report	2
B ² B Purchasing World Report Specifications	4
Materials, Products and Services Purchased : US\$	4
Report Description	6
Tables	
Countries Covered	
Demand Notes & Definitions	
Financial Notes & Definitions	
Industry Norm Definitions	27
B ² B Buyer Targets	
Procurement Data	
Trade Buyers & End User Data	
Survey Data	
Corporate Data	
Supplementary Data	
B ² B Database Editions	
Upgrade to the full Database Edition at a reduced cost	
Database Editions	
Editions available	
World B ² B Database	
Regional B ² B Database	
Country B ² B Database	

Country + City B ² B Database	
Demand for Materials, Products & Services	40
Products covered	41
Geographic Coverage	42
Financial Data	43
General Contents	44
Database Edition Demand Research Contents	45
Databases & Structures	45
Spreadsheets	47
Chapters	47
Countries	49
Methodology	52
Deliverables	52
About this Database	52
Real Time Support	52
Toolkits	53
Proprietary Software package compatibility	54
Resource Web	54
Research & Survey Methodology Analysis	55
Appendix 1 : Regional Report country coverage	56
Appendix 2 : About the After-Sales Service	57
How to order After-Sales Services	57
Database Compatibility	58

B²B Purchasing World Report Specifications

Printing Inks, Specialist

Reference: BP1766_L

This **B²B Purchasing World Report** edition has 850 pages. Updated monthly.

Years covered: Historic data for the past 7 years, and Forecast data for the next 7 years.

Cost: \$950

Delivery: 24 hours as a downloaded PDF file, or shipped as a DVD.

Materials, Products and Services Purchased : US\$

This report covers the following Materials, Products and Services Sectors:-

Purchased Materials, Products and Services data is given in US\$ for each Country, by each Material / Product / Service listed below, by each Year: Historic data for the past 7 years, and Forecast data for the next 7 years.

PRINTING INKS - SPECIALIST

- 1. Printing inks, specialist
- 2. Raw & Feedstock Materials, n.e.c.
- 3. Finished Materials, n.e.c.
- 4. All other Input Materials & Components, n.e.c.
- 5. Buildings & Fittings
- 6. Plant & Equipment
- 7. Vehicles & Equipment
- 8. Data Processing, Software & Office Equipment
- 9. Miscellaneous Capital Purchases
- 10. New Technology Purchases
- 11. Process Technology Purchases
- 12. Research & Development Purchases
- 13. Fuel Purchases
- 14. Energy Purchases
- 15. Sub-Contracted Work Purchased
- 16. After-Sales Services Purchased
- 17. Technical Process Services Purchased
- 18. Technical Product Services Purchased
- 19. Legal & Public Relations Services Purchased
- 20. Leasing of Buildings
- 21. Rental & Leasing of Equipment
- 22. Financial Services Purchased
- 23. Building Maintenance & Services Purchased
- 24. Equipment Maintenance & Services Purchased
- 25. Services Purchased
- 26. Telecommunications & Data Services
- 27. Travel, Hotel & Subsistence Purchased
- 28. Office Supplies, Mailing,
- 29. Advertising Services & Media Purchases
- 30. Advertising Materials Purchases
- 31. Point of Sales Materials Purchases
- 32. Promotional Materials & Services Purchases
- 33. Sales Materials & Promotional Print
- 34. Contracted Logistics Services
- 35. Logistics Services Purchased
- 36. Contracted Warehouse & Storage Services
- 37. Warehouse & Storage Purchases
- 38. Contracted Product Handling Services

- 39. Product Handling Services Purchased
- 40. Contracted Process Services
- 41. Product Process Service Purchases

NAICS / SIC coded reports and databases

This is a Buying or Procurement database which is designed to be compatible with U.S. government databases.

For NAICS / SIC coded reports and databases, the report structures are an analogue of U.S. Department of Commerce / U.S. Census databases, but in a worldwide context.

For a full explanation of the NAICS coding system see: <u>http://www.census.gov/eos/www/naics/</u>

These Materials, Products, Services & Revenue Lines codes and definitions are determined by the U.S. Government agencies.

Report Description

Printing Inks, Specialist Database

The Printing Inks, Specialist Purchasing World Report gives data on the Purchases of Raw Materials, Semi-Finished & Finished Products, plus all other business-to-business Purchases and Expenses by the 184 entities in the Printing inks, specialist sector. The data analyses each of 200 countries, by each Purchased Product or Expense Group, by Product Code, by 2 Time series: 7 years Historic data and 7 years Forecast data.

The Products and Services purchased are defined by Product Groups based on the United States Commerce Department database codes.

Each of the 42 Products & Services Purchased quantified in US\$, by each year (7 historic & 7 forecast years). Purchasing Volume and Unit data is available on request. Data from 184 Printing inks, specialist entities worldwide.

Financial data is provided for the Printing inks, specialist entities, including complete aggregated Financials, Balance Sheets and Financial Margins and Ratios, by country, by year.

A range of Industry Data is provided for Printing inks, specialist, by country, by year.

This Printing Inks, Specialist Purchasing World Report is a PDF Summary Edition. 850 pages. Updated monthly.

Overview

PRINTING INKS - SPECIALIST PURCHASING WORLD REPORT

The Printing Inks, Specialist Purchasing World Report gives data on the Purchases of Raw Materials, Semi-Finished & Finished Products, plus all other business-to-business Purchases and Expenses by the 184 entities in the Printing inks, specialist sector. The data analyses each of 200 countries, by each Purchased Product or Expense Group, by Product Code, by 2 Time series: 7 years Historic data and 7 years Forecast data.

Purchasing Data: the report contains aggregated data from 184 Companies or Organisations (worldwide) with their purchasing data for each of the 42 Product or Expenses Purchasing Groups, by each country, by each Year.

Financial Data: the report gives the aggregated Financial and Balance Sheet data, by each country, by each Year.

Industry Data: the report gives the aggregated Industry Data, by each country, by Year.

This Printing Inks, Specialist Purchasing World Report is a PDF Summary Edition. 850 pages. Updated monthly.

UPGRADE: A World Database Edition of this report is available which covers the 42 Purchasing / Expenses Products from 1997 with a forecast to 2046 This is a very large database with 2046 pages, 9664 spreadsheets, 9757 database tables, 519 illustrations. The report contains a number of Access databases which are an analogue of U.S. Government databases, and have the same database structures, datasets, field names, et al. The Database Edition is correlated with the U.S. Government NAICS / SIC code 325910H.

Purchasing Volume and Unit data is available on request.

Data on the individual 184 Purchasing Companies or Organisations is available at any time (during 12 months) from the After-Sales Service.

Contents

PRINTING INKS - SPECIALIST PURCHASING WORLD REPORT

Purchasing data for Printing Inks, Specialist, in each country, by each of 42 Product or Expenses Purchasing Groups, by each year, in US\$ terms. Data from 184 Printing inks, specialist entities worldwide.

The Printing Inks, Specialist Purchasing World Report covers:

TIME SERIES: Historic, previous 7 years, and Forecast for next 7 years.

PURCHASES PRODUCTS & SERVICES (by country, by year, in US\$):

PRINTING INKS - SPECIALIST

Printing inks, specialist Raw & Feedstock Materials, n.e.c. Finished Materials, n.e.c. All other Input Materials & Components, n.e.c. **Buildings & Fittings** Plant & Equipment Vehicles & Equipment Data Processing, Software & Office Equipment Miscellaneous Capital Purchases New Technology Purchases Process Technology Purchases Research & Development Purchases **Fuel Purchases** Energy Purchases Sub-Contracted Work Purchased After-Sales Services Purchased Technical Process Services Purchased **Technical Product Services Purchased** Legal & Public Relations Services Purchased Leasing of Buildings Rental & Leasing of Equipment Financial Services Purchased **Building Maintenance & Services Purchased** Equipment Maintenance & Services Purchased Services Purchased **Telecommunications & Data Services** Travel, Hotel & Subsistence Purchased Office Supplies, Mailing, Advertising Services & Media Purchases Advertising Materials Purchases Point of Sales Materials Purchases Promotional Materials & Services Purchases Sales Materials & Promotional Print **Contracted Logistics Services** Logistics Services Purchased Contracted Warehouse & Storage Services Warehouse & Storage Purchases Contracted Product Handling Services Product Handling Services Purchased Contracted Process Services **Product Process Service Purchases**

FINANCIAL DATA (Printing inks, specialist sector, by country, by year):

Balance Sheet Data: Total Sales, Domestic Sales, Exports, Pre-tax Profit, Interest Paid, Non-trading Income, Operating Profit, Depreciation: Structures, Depreciation: Plant and Equipment, Depreciation: Miscellaneous Items, Total Depreciation, Trading Profit, Intangible Assets, Intermediate Assets, Fixed Assets: Structures, Fixed Assets: Plant and Equipment, Fixed Assets: Miscellaneous Items, Fixed Assets, Capital Expenditure on Structures, Capital Expenditure on Plant and Equipment, Capital Expenditure on Vehicles, Capital Expenditure on Data Processing Equipment, Capital Expenditure on Miscellaneous Items, Total Capital Expenditure, Retirements: Structures, Retirements: Plant and Equipment, Retirements: Miscellaneous Items, Total Retirements, Total Fixed Assets, Finished Product Stocks, Work in Progress as Stocks, Materials as Stocks, Total Stocks / Inventory, Debtors, Total Maintenance Costs, Services Purchased, Miscellaneous Current Assets, Total Current Assets, Total Assets, Creditors, Short Term Loans, Miscellaneous Current Liabilities, Total Current Liabilities, Net Assets / Capital Employed, Shareholders Funds, Long Term Loans, Miscellaneous Long Term Liabilities, Workers, Hours Worked, Work in 1st Quarter, Work in 2nd Quarter, Work in 3rd Quarter, Work in 4th Quarter, Total Employees, Raw Materials Cost, Finished Materials Cost, Fuel Cost, Electricity Cost, Total Input Supplies / Materials and Energy Costs, Payroll Costs, Wages, Directors' Remunerations, Employee Benefits, Employee Commissions, Total Employees Remunerations, Sub Contractors, Rental & Leasing: Structures, Rental & Leasing: Plant and Equipment, Total Rental & Leasing Costs, Maintenance: Structures, Maintenance: Plant and Equipment, Communications Costs, Miscellaneous Expenses, Sales Personnel Variable & Commission Costs, Sales Expenses and Costs, Sales Materials Costs, Total Sales Costs, Distribution Fixed Costs, Distribution Variable Costs, Warehousing Fixed Costs, Warehousing Variable Costs, Physical Handling Fixed Costs, Physical Handling Variable Costs, Physical Process Fixed Costs, Physical Process Variable Costs, Total Distribution and Handling Costs, Mailing & Correspondence Costs, Media Advertising Costs, Advertising Materials & Print Costs, POS & Display Costs, Exhibition & Events Costs, Total Advertising Costs, Product Returns & Rejection Costs, Product Installation & Re-Installation Costs, Product Breakdown & Post Installation Costs, Product Systems & Configuration Costs, Product

7

Service & Maintenance Costs, Customer Problem Solving & Customer Complaint Costs, Total After-Sales Costs, Total Marketing Costs, New Technology Expenditure, New Production Technology Expenditure, Total Research and Development Expenditure, Total Operational & Process Costs, Debtors within Agreed Terms, Debtors Outside Agreed Terms, Un-recoverable Debts.

Financial Margins & Ratios Data: Return on Capital, Return on Assets, Return on Shareholders' Funds, Pre-tax Profit Margins, Operating Profit Margin, Trading Profit Margin, Return on Investment, Assets Utilisation (given as a ratio of Sales to Total Assets), Sales as a ratio of Fixed Assets, Stock Turnover (Sales as a ratio of Stocks), Credit Period, Creditors' Ratio (given as Creditors divided by Sales times 365 days), Default Debtors given as a Ratio of Total Debtors, Un-Recoverable Debts given as a Ratio of Total Debts, Working Capital / Sales, Materials & Energy Costs as a % of Sales, Added Value, Investment as a Ratio of Added Value, Value of Plant & Equipment as a % of Sales, Vertical Integration (Value Added as a % of Sales), Research & Development Investment as a % of Sales, Capital Expenditure Investment as a % of Sales, Marketing Costs as a % of Sales, Current Ratio (Current Assets as a ratio of Current Liabilities), Quick Ratio, Borrowing Ratio (or Total Debt as a ratio of Net Worth), Equity Ratio (Shareholders Funds as a ratio of Total Liabilities), Income Gearing, Total Debt as a ratio of Working Capital, Debt Gearing Ratio (Long Term Loans as a ratio of Net Worth), Average Remuneration (all employees - full and part), Profit per Employee, Sales per Employee, Remunerations / Sales, Fixed Assets per Employee, Capital Employed per Employee, Total Assets per Employee, Value of Average Investment per Employee, Value Added per Employee, Materials Costs as a % of Sales, Wage Costs as a % of Sales, Payroll and Wages as a Ratio to Materials, Variable Costs as a % of Sales, Fixed Costs as a % of Sales, Fixed Costs as a Ratio of Variable Costs. Distribution Costs as a % of Sales. Warehousing Costs as a % of Sales. Physical Costs as a % of Sales. Fixed as a Ratio of Variable Distribution Costs, Fixed as a Ratio of Variable Warehousing Costs, Fixed as a Ratio of Variable Physical Costs, Fixed as a Ratio of Variable Total Distribution & Handling Costs, Product Returns & Rejections Costs as a % of Sales, Product Installation & Associated Costs as a % of Sales, Product Breakdown & Associated Costs as a % of Sales, Product Systems & Associated Costs as a % of Sales, Product Service & Associated Costs as a % of Sales, Customer Complaint & Associated Costs as a % of Sales, Stock Work in Progress & Materials as a Ratio of Finished Products, Stock Materials as a Ratio of Work in Progress, Un-recoverable Debts as a Ratio of Total Debt, Un-recoverable Debts as a Ratio of Debts Within Agreed Terms, Total Sales Costs as a % of Sales, Total Distribution & Handling Costs as a % of Sales, Total Advertising Costs as a % of Sales, Total After-Sales Costs as a % of Sales, Total Customer Compensation Costs as a % of Sales, Total Variable Marketing Costs as a % of Sales, Total Fixed Marketing Costs as a % of Sales, Total Fixed Marketing Costs as a Ratio of Total Variable Marketing Co, Variable Sales Personnel Costs as a Ratio of Marketing Costs, Variable Distribution & Handling Costs as a Ratio of Marketing Costs, Variable Advertising Costs as a Ratio of Marketing Costs, Variable After-Sales Costs as a Ratio of Marketing Costs, Sales Personnel Variable Costs as a Ratio of Sales, Sales Personnel Variable Costs as a Ratio of Debtors, Sales Personnel Variable Costs as a Ratio of Un-Recoverable Debtors, Exports as a % of Sales, \$ Hourly Pay Rate, \$ Hourly Wage Rate, Capital Employed.

INDUSTRY DATA (Printing inks, specialist sector, by country, by year):

OEM & Manufacturers Market Level, Wholesale & Distributor Market Level, Retailer & Added Value Retailer Market Level, End User & Consumer Market Level, Discounted & Promotional Market Level, Plant & Equipment Average Annual Investment, Product Prices / Market Average Index, New Products Introduction Index, Relative output of Products of a Superior Quality Index, Index of Comparative Salesforce and Selling Expenditure, Index of Comparative Advertising Expenditure, Index of Comparative General Promotional Expenditure, Product Adoption Rates, Product Sales Conversion Rates, Average Annual Sales Growth Rate, Capacity Utilization as a measure of Standard Capacity, Standardized Products & Services Index, Relative Employee Compensation Index, Instable Market Share as an Index of Total Market Share, Relative Forward Integration Index, Plant and Equipment Investment greater than Depreciation, Plant and Equipment Investment Equal to Depreciation, Plant and Equipment Investment Less than Depreciation, Plant and Equipment Investment - Unallocated, Plant and Equipment in Use within the range 0-3 years, Plant and Equipment in Use 3-6 years, Plant and Equipment in Use 6-9 years, Plant and Equipment in Use over years 9 old / Unallocated, Supplier Concentration = 8 Largest, Supplier Concentration = 20 Largest, Supplier Concentration = 50 Largest, Supplier Concentration = Unspecified / Unallocated, Immediate Wholesale & Retail Customers, Immediate OEM and Manufacturing Customers, Immediate Consumer and End User Customers, Immediate Non-Specific Customers / Unallocated, Enterprises within the Range 1-19 Employees, Enterprises 20-99 Employees, Enterprises 100+ Employees, Enterprises within Unspecified / Unallocated Employee Ranges, Buyer Age Profile in the range 0-19 Years, Buyer Age Profile 20-24 Years, Buyer Age Profile 25-34 Years, Buyer Age Profile 35-44 Years, Buyer Age Profile 45-54 Years, Buyer Age Profile 55-64 Years, Buyer Age Profile 65+ / Unallocated Years, Buyer Profile in the AB Social Group, Buyer Profile C1 Social Group, Buyer Profile C2 Social Group, Buyer Profile DE / Unallocated Social Group, End User Age Profile in the range 0-19 Years, End User Age Profile 20-24 Years, End User Age Profile 25-34 Years, End User Age Profile 35-44 Years, End User Age Profile 45-54 Years, End User Age Profile 55-64 Years, End User Age Profile 65+ / Unallocated Years, End User Profile in the AB Social Group, End User Profile in the C1 Social Group, End User Profile in the C2 Social Group, End User Profile in the DE / Unallocated Social Group.

COUNTRIES COVERED:

Countries covered include: Albania, Algeria, Angola, Argentina, Armenia, Aruba, Australia, Australia, Azerbaijan, Bahamas, Bahrain, Bangladesh, Barbados, Belarus, Belgium, Belize, Bolivia, Bosnia and Herzegovina, Botswana, Brazil, Bulgaria, Cambodia, Cameroon, Canada, Chile, China, Colombia, Costa Rica, Cote d'Ivoire, Croatia, Cuba, Cyprus, Czech Republic, Denmark, Dominica, Dominican Republic, Ecuador, Egypt, Eire, El Salvador, Eritrea, Estonia, Ethiopia, Finland, France, French Guiana, Gabon, Gambia, Georgia, Germany, Ghana, Greece, Guadeloupe, Guatemala, Guinea, Guinea-Bissau, Guyana, Haiti, Honduras, Hungary, Iceland, India, Indonesia, Iran, Iraq, Israel, Italy, Jamaica, Japan, Jordan, Kazakhstan, Kenya, Kuwait, Kyrgyzstan, Laos, Latvia, Lebanon, Lesotho, Liberia, Libya, Lithuania, Luxembourg, Macedonia, Madagascar, Malawi, Malaysia, Malta, Martinique, Mexico, Moldova, Montenegro, Morocco, Mozambique, Namibia, Netherlands, Netherlands Antilles, New Zealand, Nicaragua, Nigeria, Norway, Oman, Pakistan, Panama, Papua New Guinea, Paraguay, Peru, Philippines, Poland, Portugal, Puerto Rico,

Qatar, Reunion, Romania, Russia, Saudi Arabia, Senegal, Sierra Leone, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sri Lanka, Sudan (2), Suriname, Swaziland, Sweden, Switzerland, Syria, Taiwan, Tajikistan, Tanzania, Thailand, Trinidad and Tobago, Tunisia, Turkey, Turkmenistan, Uganda, Ukraine, United Arab Emirates, United Kingdom, United States, Uruguay, Uzbekistan, Venezuela, Vietnam, Zambia, Zimbabwe. [* Data Caveat: Some smaller countries may not be included for statistical reasons.]

Tables

- 1. World Purchasing Historic : US\$ Million
- 2. World Purchasing Forecast : US\$ Million
- 3. Canada & USA Purchasing Historic : US\$ Million
- 4. Canada & USA Purchasing Forecast : US\$ Million
- 5. Central America Purchasing Historic : US\$ Million
- Central America Purchasing Forecast : US\$ Million 6. South America Purchasing Historic : US\$ Million 7.
- 8. South America Purchasing Forecast : US\$ Million
- Europe Purchasing Historic : US\$ Million 9.
- Europe Purchasing Forecast : US\$ Million 10.
- 11.
- Eurasia Purchasing Historic : US\$ Million Eurasia Purchasing Forecast : US\$ Million 12.
- 21. Algeria Purchasing Historic : US\$ Million
- Algeria Purchasing Forecast : US\$ Million 22.
- 23. Algeria Financials Historic
- 24. Algeria Financials Forecast
- Algeria Industry Norms 25.
- Argentina Purchasing Historic : US\$ Million 26.
- 27. Argentina Purchasing Forecast : US\$ Million
- 28. Argentina Financials Historic
- 29. Argentina Financials Forecast
- 30. Argentina Industry Norms
- 31. Australia Purchasing Historic : US\$ Million
- 32. Australia Purchasing Forecast : US\$ Million
- Australia Financials Historic 33.
- 34. Australia Financials Forecast
- Australia Industry Norms 35.
- 36. Austria Purchasing Historic : US\$ Million Austria Purchasing Forecast : US\$ Million
- 37. Austria Financials Historic
- 38. Austria Financials Forecast 39.
- 40. Austria Industry Norms
- 41.
- Azerbaijan Purchasing Historic : US\$ Million 42. Azerbaijan Purchasing Forecast : US\$ Million
- 43. Azerbaijan Financials Historic
- Azerbaijan Financials Forecast 44.
- Azerbaijan Industry Norms 45.

- 13. Middle East Purchasing Historic : US\$ Million
- 14. Middle East Purchasing Forecast : US\$ Million
- 15. Africa Purchasing Historic : US\$ Million
- Africa Purchasing Forecast : US\$ Million 16.
- Asia Purchasing Historic : US\$ Million 17.
- 18. Asia Purchasing Forecast : US\$ Million
- Oceania Purchasing Historic : US\$ Million 19.
- 20. Oceania Purchasing Forecast : US\$ Million
- 46. Bahrain Purchasing Historic : US\$ Million
- Bahrain Purchasing Forecast : US\$ Million 47.
- 48. Bahrain Financials Historic
- 49. **Bahrain Financials Forecast**
- Bahrain Industry Norms 50.
- Bangladesh Purchasing Historic : US\$ Million 51.
- 52. Bangladesh Purchasing Forecast : US\$ Million
- 53. Bangladesh Financials Historic
- 54. Bangladesh Financials Forecast 55.
- Bangladesh Industry Norms 56.
- Belarus Purchasing Historic : US\$ Million Belarus Purchasing Forecast : US\$ Million
- 57. Belarus Financials Historic 58.
- 59. **Belarus Financials Forecast**
- 60. **Belarus Industry Norms**
- Belgium Purchasing Historic : US\$ Million 61.
- Belgium Purchasing Forecast : US\$ Million 62.
- **Belgium Financials Historic** 63.
- Belgium Financials Forecast 64.
- 65. **Belgium Industry Norms**
- Bolivia Purchasing Historic : US\$ Million 66.
- 67. Bolivia Purchasing Forecast : US\$ Million
- 68. Bolivia Financials Historic
- 69. **Bolivia Financials Forecast**
- Bolivia Industry Norms 70.

Tables

- 71. Bosnia & Herz. Purchasing Historic : US\$ Million
- 72. Bosnia & Herze. Purchasing Forecast : US\$ Million
- 73. Bosnia and Herzegovina Financials Historic
- 74. Bosnia and Herzegovina Financials Forecast
- 75. Bosnia and Herzegovina Industry Norms
- 76. Botswana Purchasing Historic : US\$ Million77. Botswana Purchasing Forecast : US\$ Million
- 78. Botswana Financials Historic
- 79. Botswana Financials Forecast
- 80. Botswana Industry Norms
- 81. Brazil Purchasing Historic : US\$ Million
- 82. Brazil Purchasing Forecast : US\$ Million
- 83. Brazil Financials Historic
- 84. Brazil Financials Forecast
- 85. Brazil Industry Norms
- 86. Bulgaria Purchasing Historic : US\$ Million
- 87. Bulgaria Purchasing Forecast : US\$ Million
- 88. Bulgaria Financials Historic
- 89. Bulgaria Financials Forecast
- 90. Bulgaria Industry Norms
- 91. Cambodia Purchasing Historic : US\$ Million
- 92. Cambodia Purchasing Forecast : US\$ Million
- 93. Cambodia Financials Historic
- 94. Cambodia Financials Forecast
- 95. Cambodia Industry Norms
- 96. Canada Purchasing Historic : US\$ Million
- 97. Canada Purchasing Forecast : US\$ Million
- 98. Canada Financials Historic
- 99. Canada Financials Forecast
- 100. Canada Industry Norms
- 101. Chile Purchasing Historic : US\$ Million
- 102. Chile Purchasing Forecast : US\$ Million
- 103. Chile Financials Historic
- 104. Chile Financials Forecast
- 105. Chile Industry Norms
- 106. China Purchasing Historic : US\$ Million
- 107. China Purchasing Forecast : US\$ Million
- 108. China Financials Historic
- 109. China Financials Forecast
- 110. China Industry Norms
- 111. Colombia Purchasing Historic : US\$ Million
- 112. Colombia Purchasing Forecast : US\$ Million
- 113. Colombia Financials Historic
- 114. Colombia Financials Forecast
- 115. Colombia Industry Norms
- 116. Costa Rica Purchasing Historic : US\$ Million
- 117. Costa Rica Purchasing Forecast : US\$ Million
- 118. Costa Rica Financials Historic
- 119. Costa Rica Financials Forecast
- 120. Costa Rica Industry Norms
- 121. Croatia Purchasing Historic : US\$ Million
- 122. Croatia Purchasing Forecast : US\$ Million
- 123. Croatia Financials Historic
- 124. Croatia Financials Forecast
- 125. Croatia Industry Norms
- 126. Cuba Purchasing Historic : US\$ Million
- 127. Cuba Purchasing Forecast : US\$ Million
- 128. Cuba Financials Historic
- 129. Cuba Financials Forecast
- 130. Cuba Industry Norms

- 131. Cyprus Purchasing Historic : US\$ Million
- 132. Cyprus Purchasing Forecast : US\$ Million
- 133. Cyprus Financials Historic
- 134. Cyprus Financials Forecast
- 135. Cyprus Industry Norms
- 136. Czech Republic Purchasing Historic : US\$ Million
- 137. Czech Republic Purchasing Forecast : US\$ Million
- 138. Czech Republic Financials Historic
- 139. Czech Republic Financials Forecast
- 140. Czech Republic Industry Norms
- 141. Denmark Purchasing Historic : US\$ Million
- 142. Denmark Purchasing Forecast : US\$ Million
- 143. Denmark Financials Historic
- 144. Denmark Financials Forecast
- 145. Denmark Industry Norms
- 146. Ecuador Purchasing Historic : US\$ Million
- 147. Ecuador Purchasing Forecast : US\$ Million
- 148. Ecuador Financials Historic
- 149. Ecuador Financials Forecast
- 150. Ecuador Industry Norms
- 151. Egypt Purchasing Historic : US\$ Million
- 152. Egypt Purchasing Forecast : US\$ Million
- 153. Egypt Financials Historic
- 154. Egypt Financials Forecast
- 155. Egypt Industry Norms
- 156. El Salvador Purchasing Historic : US\$ Million
- 157. El Salvador Purchasing Forecast : US\$ Million
- 158. El Salvador Financials Historic
- 159. El Salvador Financials Forecast
- 160. El Salvador Industry Norms
- 161. Estonia Purchasing Historic : US\$ Million
- 162. Estonia Purchasing Forecast : US\$ Million
- 163. Estonia Financials Historic
- 164. Estonia Financials Forecast
- 165. Estonia Industry Norms
- 166. Finland Purchasing Historic : US\$ Million
- 167. Finland Purchasing Forecast : US\$ Million

France Purchasing Historic : US\$ Million

France Purchasing Forecast : US\$ Million

French Guiana Purchasing Historic : US\$ Million

French Guiana Purchasing Forecast : US\$ Million

168. Finland Financials Historic

171.

172.

173.

174.

175.

176.

177.

178.

179.

180.

181.

182.

183.

184.

185.

186.

187.

188.

189.

190.

169. Finland Financials Forecast170. Finland Industry Norms

France Financials Historic

France Industry Norms

France Financials Forecast

French Guiana Financials Historic

French Guiana Industry Norms

Georgia Financials Historic

Georgia Industry Norms

Georgia Financials Forecast

Germany Financials Historic

Germany Industry Norms

Germany Financials Forecast

French Guiana Financials Forecast

Georgia Purchasing Historic : US\$ Million

Georgia Purchasing Forecast : US\$ Million

Germany Purchasing Historic : US\$ Million

Germany Purchasing Forecast : US\$ Million

11

Tables 191. Ghana Purchasing Historic : US\$ Million 192. Ghana Purchasing Forecast : US\$ Million Ghana Financials Historic 193. 194. **Ghana Financials Forecast** 195. Ghana Industry Norms 196. Greece Purchasing Historic : US\$ Million 197. Greece Purchasing Forecast : US\$ Million Greece Financials Historic 198. Greece Financials Forecast 199. Greece Industry Norms 200. Guyana Purchasing Historic : US\$ Million 201. Guyana Purchasing Forecast : US\$ Million 202. 203. Guyana Financials Historic **Guyana Financials Forecast** 204. 205. Guyana Industry Norms Honduras Purchasing Historic : US\$ Million 206. Honduras Purchasing Forecast : US\$ Million 207. Honduras Financials Historic 208. 209. Honduras Financials Forecast 210. Honduras Industry Norms Hong Kong Purchasing Historic : US\$ Million 211. Hong Kong Purchasing Forecast : US\$ Million 212. 213. Hong Kong Financials Historic Hong Kong Financials Forecast 214. 215. Hong Kong Industry Norms 216. Hungary Purchasing Historic : US\$ Million Hungary Purchasing Forecast : US\$ Million 217. 218. Hungary Financials Historic Hungary Financials Forecast 219. Hungary Industry Norms 220. Iceland Purchasing Historic : US\$ Million 221. 222. Iceland Purchasing Forecast : US\$ Million Iceland Financials Historic 223. **Iceland Financials Forecast** 224. 225. **Iceland Industry Norms** 226. India Purchasing Historic : US\$ Million India Purchasing Forecast : US\$ Million 227. 228. India Financials Historic 229. India Financials Forecast 230. India Industry Norms 231. Indonesia Purchasing Historic : US\$ Million Indonesia Purchasing Forecast : US\$ Million 232. Indonesia Financials Historic 233. 234. Indonesia Financials Forecast 235. Indonesia Industry Norms Iran Purchasing Historic : US\$ Million 236. Iran Purchasing Forecast : US\$ Million 237. Iran Financials Historic 238. 239. Iran Financials Forecast Iran Industry Norms 240. Ireland Purchasing Historic : US\$ Million 241. 242. Ireland Purchasing Forecast : US\$ Million 243. Ireland Financials Historic 244. **Ireland Financials Forecast** 245. Ireland Industry Norms Israel Purchasing Historic : US\$ Million 246. Israel Purchasing Forecast : US\$ Million 247. 248. Israel Financials Historic

- Israel Financials Forecast 249.
- Israel Industry Norms 250.

251. Italy Purchasing Historic : US\$ Million 252. Italy Purchasing Forecast : US\$ Million Italy Financials Historic 253. 254. **Italy Financials Forecast** 255. Italy Industry Norms 256. Jamaica Purchasing Historic : US\$ Million 257. Jamaica Purchasing Forecast : US\$ Million Jamaica Financials Historic 258. 259. Jamaica Financials Forecast Jamaica Industry Norms 260. Japan Purchasing Historic : US\$ Million 261. Japan Purchasing Forecast : US\$ Million 262. 263. Japan Financials Historic Japan Financials Forecast 264. 265. Japan Industry Norms Kazakhstan Purchasing Historic : US\$ Million 266. Kazakhstan Purchasing Forecast : US\$ Million 267. Kazakhstan Financials Historic 268. 269. Kazakhstan Financials Forecast 270. Kazakhstan Industry Norms Kenya Purchasing Historic : US\$ Million 271. Kenva Purchasing Forecast : US\$ Million 272. 273. Kenya Financials Historic 274. Kenya Financials Forecast 275. Kenya Industry Norms 276. Kuwait Purchasing Historic : US\$ Million Kuwait Purchasing Forecast : US\$ Million 277. 278. Kuwait Financials Historic 279. Kuwait Financials Forecast Kuwait Industry Norms 280. Kyrgyzstan Purchasing Historic : US\$ Million 281. 282. Kyrgyzstan Purchasing Forecast : US\$ Million 283. Kyrgyzstan Financials Historic Kyrgyzstan Financials Forecast 284. Kyrgyzstan Industry Norms 285. 286. Laos Purchasing Historic : US\$ Million Laos Purchasing Forecast : US\$ Million 287. 288. Laos Financials Historic 289. Laos Financials Forecast Laos Industry Norms 290. 291. Latvia Purchasing Historic : US\$ Million 292. Latvia Purchasing Forecast : US\$ Million Latvia Financials Historic 293. 294. Latvia Financials Forecast 295. Latvia Industry Norms Lebanon Purchasing Historic : US\$ Million 296. Lebanon Purchasing Forecast : US\$ Million 297. Lebanon Financials Historic 298. 299. Lebanon Financials Forecast 300. Lebanon Industry Norms Lithuania Purchasing Historic : US\$ Million 301. Lithuania Purchasing Forecast : US\$ Million 302. Lithuania Financials Historic 303. Lithuania Financials Forecast 304. 305. Lithuania Industry Norms Luxembourg Purchasing Historic : US\$ Million 306. 307.

- Luxembourg Purchasing Forecast : US\$ Million
- 308. Luxembourg Financials Historic
- Luxembourg Financials Forecast 309.
- Luxembourg Industry Norms 310.

Tables		
311.	Malawi Purchasing Historic : US\$ Million	
312.	Malawi Purchasing Forecast : US\$ Million	
313.	Malawi Financials Historic	
314.	Malawi Financials Forecast	
315.	Malawi Industry Norms	
316.	Malaysia Purchasing Historic : US\$ Million	
317.	Malaysia Purchasing Forecast : US\$ Million	
318.	Malaysia Financials Historic	
319.	Malaysia Financials Forecast	
320.	Malaysia Industry Norms	
320. 321.	Mexico Purchasing Historic : US\$ Million	
321.	Mexico Purchasing Forecast : US\$ Million	
323.	Mexico Financials Historic	
323. 324.	Mexico Financials Forecast	
324. 325.		
	Mexico Industry Norms Morocco Purchasing Historic : US\$ Million	
326.		
327.	Morocco Purchasing Forecast : US\$ Million Morocco Financials Historic	
328.		
329.	Morocco Financials Forecast	
330.	Morocco Industry Norms	
331.	Netherlands Purchasing Historic : US\$ Million	
332.	Netherlands Purchasing Forecast : US\$ Million	
333.	Netherlands Financials Historic	
334.	Netherlands Financials Forecast	
335.	Netherlands Industry Norms	
336.	New Zealand Purchasing Historic : US\$ Million	
337.	New Zealand Purchasing Forecast : US\$ Million	
338.	New Zealand Financials Historic	
339.	New Zealand Financials Forecast	
340.	New Zealand Industry Norms	
341.	Nicaragua Purchasing Historic : US\$ Million	
342.	Nicaragua Purchasing Forecast : US\$ Million	
343.	Nicaragua Financials Historic	
344.	Nicaragua Financials Forecast	
345.	Nicaragua Industry Norms	
346.	Nigeria Purchasing Historic : US\$ Million	
347.	Nigeria Purchasing Forecast : US\$ Million	
348.	Nigeria Financials Historic	
349.	Nigeria Financials Forecast	
350.	Nigeria Industry Norms	
351.	Norway Purchasing Historic : US\$ Million	
352.	Norway Purchasing Forecast : US\$ Million	
353.	Norway Financials Historic	
354.	Norway Financials Forecast	
355.	Norway Industry Norms	
356.	Pakistan Purchasing Historic : US\$ Million	
357.	Pakistan Purchasing Forecast : US\$ Million	
358.	Pakistan Financials Historic	
359.	Pakistan Financials Forecast	
360.	Pakistan Industry Norms	
361.	Panama Purchasing Historic : US\$ Million	
362.	Panama Purchasing Forecast : US\$ Million	
363.	Panama Financials Historic	
364.	Panama Financials Forecast	
365.	Panama Industry Norms	
366.	Paraguay Purchasing Historic : US\$ Million	
367.	Paraguay Purchasing Forecast : US\$ Million	
368.	Paraguay Financials Historic	
369.	Paraguay Financials Forecast	
370.	Paraguay Industry Norms	

- 371. Peru Purchasing Historic : US\$ Million 372. Peru Purchasing Forecast : US\$ Million 373. Peru Financials Historic 374. Peru Financials Forecast 375. Peru Industry Norms 376. Philippines Purchasing Historic : US\$ Million 377. Philippines Purchasing Forecast : US\$ Million Philippines Financials Historic 378. Philippines Financials Forecast 379. 380. Philippines Industry Norms Poland Purchasing Historic : US\$ Million 381. 382. Poland Purchasing Forecast : US\$ Million 383. Poland Financials Historic **Poland Financials Forecast** 384. 385. Poland Industry Norms Portugal Purchasing Historic : US\$ Million 386. Portugal Purchasing Forecast : US\$ Million 387. 388. Portugal Financials Historic 389. Portugal Financials Forecast 390. Portugal Industry Norms Romania Purchasing Historic : US\$ Million 391. Romania Purchasing Forecast : US\$ Million 392. 393. Romania Financials Historic 394. **Romania Financials Forecast** 395. Romania Industry Norms 396. Russia Purchasing Historic : US\$ Million Russia Purchasing Forecast : US\$ Million 397. 398. Russia Financials Historic **Russia Financials Forecast** 399. 400. **Russia Industry Norms** Saudi Arabia Purchasing Historic : US\$ Million 401. 402. Saudi Arabia Purchasing Forecast : US\$ Million 403. Saudi Arabia Financials Historic Saudi Arabia Financials Forecast 404. Saudi Arabia Industry Norms 405. 406. Serbia & Montenegro Purchasing Historic : US\$ Million Serbia & Monte. Purchasing Forecast : US\$ Million 407. 408. Serbia and Montenegro Financials Historic 409. Serbia and Montenegro Financials Forecast 410. Serbia and Montenegro Industry Norms Singapore Purchasing Historic : US\$ Million 411. 412. Singapore Purchasing Forecast : US\$ Million Singapore Financials Historic 413. 414. Singapore Financials Forecast Singapore Industry Norms 415. Slovakia Purchasing Historic : US\$ Million 416. Slovakia Purchasing Forecast : US\$ Million 417. Slovakia Financials Historic 418. 419. Slovakia Financials Forecast 420. Slovakia Industry Norms Slovenia Purchasing Historic : US\$ Million 421. Slovenia Purchasing Forecast : US\$ Million 422. Slovenia Financials Historic 423. Slovenia Financials Forecast 424. 425. Slovenia Industry Norms South Africa Purchasing Historic : US\$ Million 426. South Africa Purchasing Forecast : US\$ Million 427. 428. South Africa Financials Historic
- 429. South Africa Financials Forecast
- 430. South Africa Industry Norms

Tables

431.	South Korea Purchasing Historic : US\$ Million
432.	South Korea Purchasing Forecast : US\$ Million
433.	South Korea Financials Historic
434.	South Korea Financials Forecast
435.	South Korea Industry Norms
436.	Spain Purchasing Historic : US\$ Million
437.	Spain Purchasing Forecast : US\$ Million
438.	Spain Financials Historic
439.	Spain Financials Forecast
440.	Spain Industry Norms
441.	Sri Lanka Purchasing Historic : US\$ Million
442.	Sri Lanka Purchasing Forecast : US\$ Million
443.	Sri Lanka Financials Historic
444.	Sri Lanka Financials Forecast
445.	Sri Lanka Industry Norms
446.	Suriname Purchasing Historic : US\$ Million
447.	Suriname Purchasing Forecast : US\$ Million
448.	Suriname Financials Historic
440. 449.	Suriname Financials Forecast
-	
450.	Suriname Industry Norms
451.	Sweden Purchasing Historic : US\$ Million
452.	Sweden Purchasing Forecast : US\$ Million
453.	Sweden Financials Historic
454.	Sweden Financials Forecast
455.	Sweden Industry Norms
456.	Switzerland Purchasing Historic : US\$ Million
457.	Switzerland Purchasing Forecast : US\$ Million
458.	Switzerland Financials Historic
459.	Switzerland Financials Forecast
460.	Switzerland Industry Norms
461.	Taiwan Purchasing Historic : US\$ Million
-	
462.	Taiwan Purchasing Forecast : US\$ Million
463.	Taiwan Financials Historic
464.	Taiwan Financials Forecast
465.	Taiwan Industry Norms
466.	Tanzania Purchasing Historic : US\$ Million
467.	Tanzania Purchasing Forecast : US\$ Million
468.	Tanzania Financials Historic
469.	Tanzania Financials Forecast
470.	Tanzania Industry Norms
471.	Thailand Purchasing Historic : US\$ Million
472.	Thailand Purchasing Forecast : US\$ Million
473.	Thailand Financials Historic
474.	Thailand Financials Forecast
475.	Thailand Industry Norms
476.	Tunisia Purchasing Historic : US\$ Million
477.	Tunisia Purchasing Forecast : US\$ Million
478.	Tunisia Financials Historic
479.	Tunisia Financials Forecast
480.	Tunisia Industry Norms
481.	Turkey Purchasing Historic : US\$ Million
482.	Turkey Purchasing Forecast : US\$ Million
483.	Turkey Financials Historic
484.	Turkey Financials Forecast

- 485. Turkey Industry Norms
- 465. Turkey moustry norms

- 486. Uganda Purchasing Historic : US\$ Million 487. Uganda Purchasing Forecast : US\$ Million 488. Uganda Financials Historic 489. Uganda Financials Forecast 490. Uganda Industry Norms 491. Ukraine Purchasing Historic : US\$ Million 492. Ukraine Purchasing Forecast : US\$ Million Ukraine Financials Historic 493. Ukraine Financials Forecast 494. 495. Ukraine Industry Norms United Arab Emirates Purchasing Historic : US\$ Million 496. 497. UAE Purchasing Forecast : US\$ Million 498. United Arab Emirates Financials Historic United Arab Emirates Financials Forecast 499. 500. United Arab Emirates Industry Norms 501. United Kingdom Purchasing Historic : US\$ Million United Kingdom Purchasing Forecast : US\$ Million 502. United Kingdom Financials Historic 503. 504. United Kingdom Financials Forecast United Kingdom Industry Norms 505. United States Purchasing Historic : US\$ Million 506. United States Purchasing Forecast : US\$ Million 507. 508. United States Financials Historic United States Financials Forecast 509. 510. United States Industry Norms 511. Uruguay Purchasing Historic : US\$ Million Uruguay Purchasing Forecast : US\$ Million 512. 513. Uruguay Financials Historic Uruguay Financials Forecast 514. Uruguay Industry Norms 515. Uzbekistan Purchasing Historic : US\$ Million 516. 517. Uzbekistan Purchasing Forecast : US\$ Million Uzbekistan Financials Historic 518. Uzbekistan Financials Forecast 519. Uzbekistan Industry Norms 520. 521. Venezuela Purchasing Historic : US\$ Million Venezuela Purchasing Forecast : US\$ Million 522. Venezuela Financials Historic 523. 524. Venezuela Financials Forecast 525. Venezuela Industry Norms 526. Vietnam Purchasing Historic : US\$ Million 527. Vietnam Purchasing Forecast : US\$ Million Vietnam Financials Historic 528. 529. Vietnam Financials Forecast 530. Vietnam Industry Norms Zambia Purchasing Historic : US\$ Million 531. Zambia Purchasing Forecast : US\$ Million 532.
 - 533. Zambia Financials Historic
 - 534. Zambia Financials Forecast
 - 535. Zambia Industry Norms

Countries Covered

Algeria Argentina Australia Austria Azerbaijan Bahrain Bangladesh **Belarus** Belgium Bolivia Bosnia & Herzegovina Botswana Brazil Bulgaria Cambodia Canada Chile Colombia Costa Rica Croatia Cuba Cyprus Czech Republic Denmark Ecuador Egypt El Salvador Estonia Finland France French Guiana Georgia Germany Ghana

Greece Guyana Honduras Hong Kong Hungary Iceland India Indonesia Iran Ireland Israel Italy Jamaica Japan Kazakhstan Kenya **Kuwait** Kyrgyzstan Laos Latvia Lebanon Lithuania Luxembourg Malawi Malaysia Mexico Morocco New Zealand Nicaragua Nigeria Norway Pakistan Panama Paraguay

Peru Philippines Poland Portugal Romania Russia Saudi Arabia Serbia & Montenegro Singapore Slovakia Slovenia South Africa South Korea Spain Sri Lanka Suriname Sweden Switzerland Taiwan Tanzania Thailand The Netherlands Tunisia Turkey Uganda Ukraine **United Arab Emirates** United Kinadom **United States** Uruguay Uzbekistan Venezuela Vietnam Zambia

Data Caveat

The report databases are designed to give a common definition, unit of measure and quantification of markets in over 200 countries. The reports rely on data collection at various levels of the product flow; this effectively means, the producer, the distribution channels and the end user or consumers. This data is then correlated with any national and international statistical data produced by official agencies. Unfortunately, product flow data gathering in some countries is difficult, and furthermore the official statistical data is both inaccurate and sparse. In such circumstances, in some countries, we have to flag a Data Caveat as a warning. What this means is that in some countries the data is not sufficiently verifiable for statistical purposes and in those cases the data may not be presented.

Demand Notes & Definitions

ALL BUYING/PURCHASING DATA FIGURES ARE IN REAL TERMS : US\$

REAL TERMS are figures excluding the effects of inflation, thus the Forecasts and figures given can be readily converted into units or volume. This is done by applying the average prices for the base year and dividing the figures by this price for all years. Thus it is possible to easily ascertain both historic and forecasted product volume.

A "most recent published accounts" base is used because most company accounts are historic and thus clients will be able to compare the figures given in this report with their own company figures without the need for conversion or the need for inflators or multiplying factors.

AVERAGE SALES PRICES ARE NOT APPROPRIATE OR APPLICABLE TO THIS DATABASE

The effect of using Real Terms figures is that the forecasted figures will be depressed, as they do not include inflation, and figures from former years (i.e. before the Base Year) will be increased.

The Current or Base Year is at the convergent point as is the Current cost. This Current Cost usually increases because of the effects of inflation. The Real Terms figures do not include the effects of inflation and thus only increases or decreases if the actual product volume or units increase or decrease. In this way it is possible to evaluate the market and other figures more realistically.

The figures and the Trend figures represent an overall median probability trend line that is plotted to give the most probable course amongst the annual forecast scatter. Thus, the figures do not reflect year-on-year depressions and peaks in absolute terms, but instead represents a year-on-year modified trend line. The various SCENARIOS provided in the database reflect the differential forecasts specific to the factors being forecast.

The U.S. government uses the term Constant dollars (or "real" dollars) and this is defined thus: Output values converted to a base price level, calculated by dividing current (or actual) dollars by a deflator. Use of constant dollars eliminates the effects of price changes between the year of measurement and the base year and allows calculation of real changes in output.

HISTORIC & FORECAST DATA TRANSITION PERIODS

The HISTORIC DATA covers the last 7 years to the current year, and the MEDIAN FORECAST DATA series covers the next 7 years. There is always a transition period; which is in fact during the last two quarters, i.e. whilst the historic data is being collated. In addition the data given for the next two quarters is considered an estimate rather than a forecast. Thus the 12 month period around the database output date is an estimate.

THE BUYING ENVIRONMENT

There are four basic issues to investigate when considering the Demand environment:

1. Demand Growth	3. Buyers Serviced
2. Procurement Structure	4. Customer & End User Factors

1. DEMAND GROWTH is analysed in the database Historically from 1997, with a Forecast for the next 28 years. In addition there are 96 forecasting scenarios considered to represent and explore the economic and business variables.

2. THE PROCUREMENT STRUCTURE is very critical for profitability. The nature of the Buyers, the location of the Customer Base, the Composition of the customer base and the supplier structure is fully provided in several other sections of this study and therefore no further discussion is necessary.

3. BUYERS SERVICED is the term used to denote the function between the products and services offered by Sellers and the particular demand sector the marketing effort reaches. In addition, there is the DEMAND AVAILABILITY to consider as this represents the 'real sales' available to any particular supplier.

TOTAL AVAILABLE DEMAND



Thus the Buyers Serviced is the demand for which suppliers are offering a suitable product or service and Available Demand the demand reached by a supplier's marketing effort. The areas marked as the overlap for Buyers Serviced, i.e. the demand for which suppliers are offering suitable products or services and which may theoretically be reached by a supplier's marketing activities, but of which part is controlled by either other Purchasers or Suppliers. The Demand Availability is the total demand perceived by the total Purchaser universe; however the Available Demand is the demand which is actually available to individual Suppliers.

The Buyers Serviced is the true demand in terms of product/s and services, however parts of this market may be difficult or impossible to attain due to the control exerted by either the controlling Purchasers or Suppliers.

HISTORIC DATA & TIME SERIES

Last 7 Years to Current Year

This standard HISTORIC format is the most popular time series demanded by readers. Many readers feel that it is more important to know what is likely to happen in the recent past rather that what has transpired in the long-term past. The HISTORIC DATA in the database covers the years from 1997 to the Current Year.

FORECAST DATA & TIME SERIES : MEDIAN FORECAST

From the Current Year to the next 7 Years

The MEDIAN FORECAST DATA covers the next 7 years. This standard FORECAST format is the most popular format demanded by readers.

We can of course provide readers with other data on long-range forecast data and this is done as part of the After-Sales Service.

1. ALL FIGURES IN THIS SECTION ARE IN REAL TERMS: Current Year BASE

REAL TERMS are prices excluding the effects of inflation, thus the Demand figure given can be readily converted into units or volume. This is done by applying the average sales prices for the Current Year and dividing the Demand figures by this price for all years. Thus it is possible to easily ascertain previous and forecasted product volume.

A base year is used because company accounts are historic and thus readers will be able to compare the figures given in this volume with their own figures without the need for conversion or the need for inflators or multiplying factors.

The effect of using Real Terms figures is that the forecasted figures will be depressed, as they do not include inflation, and figures from former years will be increased.

2. The Demand figures and the Trend figures represent an overall median probability trend line which is plotted to give the most probable course amongst the annual Purchasing Forecast scatter. Thus the figures do not reflect year-onyear depressions and peaks in absolute terms, but instead represents a year-on-year modified trend line.

3. All analyses are based on correlations of the results of the Surveys of Suppliers, Distribution and Customers. Thus, for example, an analysis of Demand Sectors will gain data firstly from the End User Surveys and secondly confirmations and correlations will be gained from the Surveys of Suppliers / Distributors. This in the opinion of the publishers is a very accurate method and is far superior than, for example, that which is used in the compilation of the majority of published governmental statistics.

4. All figures given in this volume refer only to the product/s covered and not to any other product or systems which may be connected or associated with the products covered.

5. The TREND figures given in the Industry section of this volume refers to the average year-on-year change in the period specified.

6. The YEAR-ON-YEAR TREND figures given in this volume refer to the average year-on-year change in the period specified

The AVERAGE GROWTH TRENDS figures refer to the long term trends over the period.

Thus the actual Trend is given by a year-on-year figure and the long-term Trends are given as a Real Terms Forecast.

DATABASE LONG-RANGE DATA & TIME SERIES

From 1972 until the Next 28 Years

The database contains a LONG-RANGE HISTORIC time series which covers the years from 1972. This is the standard long range HISTORIC format. We provide readers with this time series (on request) to enable long range regressional analysis for forecasting models which require an extended time period analysis.

The database contains a LONG-RANGE FORECAST time series which covers a period for the next 28 years. This is the standard long range forecast format and is usually used for planning production plant / capital projects, macro-economic trends and demographics data.

We can of course provide readers with other data on long-range historic and forecast data and this is done as part of the After-Sales Service.

EXCHANGE RATES & PURCHASING POWER PARITY

The report database and forecasting models do not use current market or bank exchange rates as these can be deceptive. The rates used are those of the base year in addition to a number of real value factors which reflect the actual or forecasted value of the product in each of the national markets over the period from 1972 with a 28 year forecast. A simple conversion of local currency into U.S. Dollars or any other national currency cannot be used to adequately represent products or services.

The report database and forecasting models are attempting to show the relative values of products or markets free from any extraneous effects of currency movements or government fiscal policy which arbitrarily alter currency exchange rates. Thus the currency calculations and data in the database are indicating relative unit values or the relative cost of the product or service in the national market.

We do not indicate the Currency Conversion Rate that you can use with any calculations and readers will have to apply their own discretion in this respect. Beware however, such calculations involving currency conversions can be artificial and spurious and do not reflect real values of either products or markets.

There is a problem in relating Product or Demand Values or Costs in Real Terms, the National Currency Value in Real Terms (i.e. excluding the effects of Inflation) and the Value of another currency (the Converted Currency, given as \$) in relation to the National Currency, thus readers can obtain separate data based on National Currencies from the After-Sales Service.

DEMAND & PRODUCT PARITY

The basis of the data provided is to allow users to produce business plans and forecasting models across national and statistically diverse boundaries. Thus it is necessary to adopt a standard product definition which can be then applied across national borders. The product definition chosen is the U.S. government's NAICS product codes (and the previous SIC product codes where relevant). The problem is to apply these product definitions across the national boundaries. The U.S. government stubbornly clings to the imperial system of measurement and this further complicates the matter.

The use of DEMAND PARITY is intended to allow trans-national business planning and forecasting (however readers can request data based on national product definitions), and in general terms Demand and Product Parity means that equivalent products are compared even where the exact technical specification, or quantification, of the product is not the same. Thus a 12 fluid ounce liquid container as defined in the (Imperial measuring system) NAICS product codes is quantitatively equivalent to 35.5ml, however for the purposes of Demand and Product Parity it will be the equivalent of a 33ml liquid container in countries with a Metric measuring system. Similarly in non-Metric markets a 16 ounces or 1 pound Imperial measure, whilst actually equivalent to 454 grams, will equate to a 450 gram product in Metric measure markets.

For many products this 'Demand Parity' will be based on the 'Purchasing Parity unit costs' -v- 'product performance', rather than 'unit cost' -v- 'technical specifications'. This is because national markets impose different technical specifications on products which essentially fulfil the same customer requirement, and thus these products have a Product Parity which can be used for uniform, cross border, business planning and forecasting.

Financial Notes & Definitions

HISTORIC & FORECAST FINANCIAL DATA TRANSITION PERIODS

The HISTORIC DATA covers the last 7 years, and the FORECAST DATA series covers the next 7 years. There is always a transition period; which is in fact during the last two quarters, i.e. whilst the historic data is being collated. In addition the data given for the next two quarters is considered an estimate rather than a forecast. Thus the 12 month period around the database output date is an estimate.

For the various Financial Scenarios it must be assumed that the Scenario factor or strategy being considered will not exert an impact on the forecast immediately and will not become evident for some time after its inception. Whilst the forecasting models used operates on a monthly time scale and does also take account of other temporal factors (for example seasonality of demand, industry accounting periods, stock taking scheduling, et al) it would be too pedantic to express the transition year in greater detail. Therefore in the forecast data a straight line plot is produced between the BASE year, through the transition period to the first full forecast year.

The data in this section derives data from 184 worldwide companies and organisations (Suppliers and Distribution Channel members).

ALL FINANCIAL DATA FIGURES ARE IN REAL TERMS

PURCHASING ENTITIES FINANCIAL BALANCE SHEETS

Row	TITLE	LEGEND
	TOTAL REVENUES	
1	The TOTAL REVENUES figures given are synchronized with the Median Demand Forecast and not to the individual Demand Scenario Forecasts. This ensures that one can use a standardized market measure to compare the Financial data and not have the additional complication of interpreting the financial data in relation to the market scenarios.	\$M
2	DOMESTIC REVENUES	% Revenue
3	EXPORTS	% Revenue
4	PRE-TAX PROFIT	% Revenue
5	INTEREST PAID	% Revenue
6	NON-TRADING INCOME	% Revenue
7	OPERATING PROFIT	% Revenue
8	DEPRECIATION: STRUCTURES	% Revenue
9	DEPRECIATION: PLANT AND EQUIPMENT	% Revenue
10	DEPRECIATION: MISCELLANEOUS ITEMS	% Revenue
11	TOTAL DEPRECIATION	% Revenue
12	TRADING PROFIT	% Revenue
13	INTANGIBLE ASSETS	% Revenue
14	INTERMEDIATE ASSETS	% Revenue
15	FIXED ASSETS: STRUCTURES	% Revenue
16	FIXED ASSETS: PLANT AND EQUIPMENT	% Revenue
17	FIXED ASSETS: MISCELLANEOUS ITEMS	% Revenue
18	FIXED ASSETS	% Revenue
19	CAPITAL EXPENDITURE ON STRUCTURES	% Revenue
20	CAPITAL EXPENDITURE ON PLANT AND EQUIPMENT	% Revenue
21	CAPITAL EXPENDITURE ON VEHICLES	% Revenue
22	CAPITAL EXPENDITURE ON DATA PROCESSING EQUIPMENT	% Revenue
23	CAPITAL EXPENDITURE ON MISCELLANEOUS ITEMS	% Revenue

Row	TITLE	LEGEND
24	TOTAL CAPITAL EXPENDITURE	% Revenue
25	RETIREMENTS: STRUCTURES	% Revenue
26	RETIREMENTS: PLANT AND EQUIPMENT	% Revenue
27	RETIREMENTS: MISCELLANEOUS ITEMS	% Revenue
28	TOTAL RETIREMENTS	% Revenue
29	TOTAL FIXED ASSETS	% Revenue
30	FINISHED PRODUCT STOCKS	% Revenue
31	WORK IN PROGRESS AS STOCKS	% Revenue
32	MATERIALS AS STOCKS	% Revenue
33	TOTAL STOCKS & INVENTORY	% Revenue
34	DEBTORS	% Revenue
35	MISCELLANEOUS CURRENT ASSETS	% Revenue
36	TOTAL CURRENT ASSETS	% Revenue
37	TOTAL ASSETS	% Revenue
38	CREDITORS	% Revenue
39	SHORT TERM LOANS	% Revenue
40	MISCELLANEOUS CURRENT LIABILITIES	% Revenue
41	TOTAL CURRENT LIABILITIES	% Revenue
42	NET ASSETS / CAPITAL EMPLOYED	% Revenue
43	SHAREHOLDERS FUNDS	% Revenue
44	LONG TERM LOANS	% Revenue
45	MISCELLANEOUS LONG TERM LIABILITIES	% Revenue
46	WORKERS	persons
47	HOURS WORKED	Hours
48	WORK IN 1ST QUARTER	% of Annual
49	WORK IN 2ND QUARTER	% of Annual
50	WORK IN 3RD QUARTER	% of Annual
51	WORK IN 4TH QUARTER	% of Annual
52	TOTAL EMPLOYEES	persons
53	RAW MATERIALS COST	% Revenue
54	FINISHED MATERIALS COST	% Revenue
55	FUEL COST	% Revenue
56	ELECTRICITY COST	% Revenue
57	TOTAL INPUT SUPPLIES / MATERIALS AND ENERGY COSTS	% Revenue
58	PAYROLL COSTS	% Revenue
59	WAGES	% Revenue
60	DIRECTORS' REMUNERATIONS	% Revenue
61	EMPLOYEE BENEFITS	% Revenue
62	COMMISSIONS & INCENTIVES PAID	% Revenue
63	TOTAL REMUNERATIONS	% Revenue
64	SUB CONTRACTORS	% Revenue
65	RENTAL & LEASING: STRUCTURES	% Revenue
66	RENTAL & LEASING: PLANT AND EQUIPMENT	% Revenue
67	TOTAL RENTAL & LEASING COSTS	% Revenue

Row	TITLE	LEGEND
68	MAINTENANCE: STRUCTURES	% Revenue
69	MAINTENANCE: PLANT AND EQUIPMENT	% Revenue
70	TOTAL MAINTENANCE COSTS	% Revenue
71	SERVICES PURCHASED	% Revenue
72	COMMUNICATIONS COSTS	% Revenue
73	MISCELLANEOUS EXPENSES	% Revenue
74	SALES PERSONNEL VARIABLE & COMMISSION COSTS	% Revenue
75	SALES EXPENSES AND COSTS	% Revenue
76	SALES MATERIALS COSTS	% Revenue
77	TOTAL SALES COSTS	% Revenue
78	DISTRIBUTION FIXED COSTS	% Revenue
79	DISTRIBUTION VARIABLE COSTS	% Revenue
80	WAREHOUSING FIXED COSTS	% Revenue
81	WAREHOUSING VARIABLE COSTS	% Revenue
82	PHYSICAL HANDLING FIXED COSTS	% Revenue
83	PHYSICAL HANDLING VARIABLE COSTS	% Revenue
84	PHYSICAL PROCESS FIXED COSTS	% Revenue
85	PHYSICAL PROCESS VARIABLE COSTS	% Revenue
86	TOTAL DISTRIBUTION AND HANDLING COSTS	% Revenue
87	MAILING & CORRESPONDENCE COSTS	% Revenue
88	MEDIA ADVERTISING COSTS	% Revenue
89	ADVERTISING MATERIALS & PRINT COSTS	% Revenue
90	POS & DISPLAY COSTS	% Revenue
91	EXHIBITION & EVENTS COSTS	% Revenue
92	TOTAL ADVERTISING COSTS	% Revenue
93	PRODUCT RETURNS & REJECTION COSTS	% Revenue
94	PRODUCT INSTALLATION & RE-INSTALLATION COSTS	% Revenue
95	PRODUCT BREAKDOWN & POST INSTALLATION COSTS	% Revenue
96	PRODUCT SYSTEMS & CONFIGURATION COSTS	% Revenue
97	PRODUCT SERVICE & MAINTENANCE COSTS	% Revenue
98	CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS	% Revenue
99	TOTAL AFTER-SALES COSTS	% Revenue
100	TOTAL MARKETING COSTS	% Revenue
101	NEW TECHNOLOGY EXPENDITURE	% Revenue
102	NEW PRODUCTION TECHNOLOGY EXPENDITURE	% Revenue
103	TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE	% Revenue
104	TOTAL OPERATIONAL & PROCESS COSTS	% Revenue
105	DEBTORS WITHIN AGREED TERMS	% Revenue
106	DEBTORS OUTSIDE AGREED TERMS	% Revenue
107	UN-RECOVERABLE DEBTS	% Revenue

PURCHASING ENTITIES FINANCIAL DATA DEFINITIONS

Data given on:	Definition:
% OF CUSTOMERS = 50% Revenue	The best estimate of the percentage of immediate customers accounting for 50% of the sales of the business.
% SHARE OF 4 LARGEST FIRMS	The combined market shares of the four leading firms in the industry, expressed as a percentage.
ACTUAL RETURN ON INVESTMENT	The actual, pre-tax net income expressed as a percentage of investment for the business, used to adjust the future estimates of ROI.
ASSET UTILIZATION	Sales as a ratio of total sales.
AVERAGE REMUNERATION	Total employee remuneration divided by the number of employees.
BORROWING RATIO	Total debt as a ratio of net worth.
CAPACITY UTILIZATION	The average % percentage of standard capacity utilized during the year. Standard capacity is the sales value of the maximum output the business can sustain with:a) facilities normally in operation andb) current constraints (e.g. technology, work rules, labour practices, etc.)
CAPITAL EMPLOYED	The sum of long term liabilities. It represents the counterpart of the net assets employed by the firm.
CREDIT PERIOD	Debtors over sales times 365 days.
CREDITORS RATIO	Creditors over sales times 365 days.
CREDITORS	Trade creditors and bills payable within one year.
CURRENT RATIO	Current assets as a ratio of current liabilities.
DEBT GEARING RATIO	Long term loans as a ratio of net worth.
DEBTORS	Trade debtors and trade bills receivable due within one year.
DEPRECIATION	Includes amounts written off tangible fixed assets, including leased assets.
DIRECTORS REMUNERATION	Includes all payments made to directors including pension fund contributions, ex-gratia payments and payments to directors' family.
DISCOUNT CASH FLOW YIELD RATE	The internal rate of return after tax earned in this business when this strategy is executed. It is the time discount rate at which discounted cash flow plus residual is equal to initial investment.
DISCOUNTED CASH FLOW	The cash generated over ten years from net income, less the cash absorbed by increases in the net investment in the business. The annual cash flows are discounted to a present value, using the time discount rate.
DISCOUNTED NET INCOME (10 YEARS)	From pre-tax net income in each year is deducted a capital charge on the increase in investment since the base period to reflect the cost of these funds. The time discount rate is then applied to obtain the present value of the income stream for the 10 year period.
DOMESTIC REVENUES	Wherever applicable, domestic Revenues represent the proportion of total turnover generated locally less exports produced by the same companies.
EMPLOYEES UNIONIZED	The percentage of total employees of the business who are unionized.
EQUITY GEARING	Shareholders' funds as a ratio of total liabilities.
EXPORTS / REVENUES	Exports divided by Revenues.
EXPORTS	This figure will be shown where it has been disclosed.
FIFO VALUATION	The accounting method used for inventory valuation FIFO, or other method (e.g. LIFO).
FIXED ASSETS / EMPLOYEES	Fixed assets divided by the number of employees.
FIXED ASSETS	Property, plant, fixtures and fittings, office equipment and motor vehicles wholly owned and shown at their written down book value.
FIXED CAPITAL INTENSITY	Gross book value of plant & equipment expressed as a percentage of Revenues. Gross book value includes original value of buildings, real estate manufacturing & transportation equipment.

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FIXED CAPITAL INTENSITY	The gross book value of plant and equipment, expressed as a percentage of Revenues.
FORECAST REAL MARKET GROWTH RATE (% / YEAR)	An estimate of the future annual real growth rate of the served market.
FORECAST SELLING GROWTH RATE % p.a.	A forecast of the annual growth rate of the selling prices.
IMMEDIATE CUSTOMER FRAGMENTATION	The proportion of the total number of immediate customers accounting for 50% of total Revenues, expressed as a percentage. For example, if 5 of a business's 100 immediate customers represent 50% Revenue, immediate customer fragmentation is 5%.
INCOME GEARING	Interest paid as a percentage of profit before tax and before interest paid.
INDUSTRY (SIC/NAICS) GROWTH, LONG RUN	The annual long term (10 year) growth rate of the SIC/NAICS industry in which the business is located, expressed as a percentage.
INDUSTRY CONCENTRATION RATIO	The amount of industry shipments accounted for by the four largest firms in the industry expressed as a percentage.
INTANGIBLE ASSETS	Non-tangible assets such as good will, trademarks, patents and copyrights owned.
INTEREST PAID	Gross interest paid. It should be noted that many private companies either do not disclose this figure in full or aggregate short-term, long-term and hire purchase interest together.
INTERMEDIATE ASSETS	Includes investments in subsidiary and associated companies, trade investments and other unquoted investments, insurance premiums on life policies, and Advanced Corporation Tax recoverable. In addition, amounts due from other Group companies (as necessary), associated and affiliated companies, receivable after one year and with no stated fixed repayment terms will be included. Long term portions of trade and sundry debtors will also be included, wherever they are disclosed separately in the accounts.
INVENTORY / REVENUES	The sum of raw materials, work-in-process inventory and finished goods inventory (each net of reserve for losses) as a percentage of Revenues.
INVESTMENT / REVENUES	Investment as a percentage of Revenues. Investment can be measured in any of the following ways: a) net book value of plant and equipment plus working capital b) equity plus long-term debt c) total assets employed minus current liabilities attributable to the business.
INVESTMENT / VALUE ADDED	Investment expressed as a percentage of value added. Value added is adjusted for profits to minimize that portion of the relationship with ROI which is caused by under or overstated earnings.
INVESTMENT PER EMPLOYEE	Average investment, expressed in monetary units per employee.
LONG TERM LOANS	Includes long term portions of bank & other institutional loans, mortgages, hire purchase repayments and leasing obligations, all of which are due after one year. Also, amounts due to group, associated & affiliated companies payable after one year are included.
MARKET POSITION	A factor combining:
	 a) MARKET SHARE: the share of the served market for the business, expressed as a percentage. b) RELATIVE MARKET SHARE: the market share of the business relative to the combined market share of the three leading competitors, expressed as a percentage. For example if ones business has 30% of the market and the three largest competitors have 20%, 10% and 10%: 30 divided by (20+10+10) = 75%.
MARKET SHARE GROWTH RATE	The annual growth rate of market share expressed as a percentage.
MARKET SHARE INSTABILITY	The instability of the market share of the business, measured as the sum of the absolute values of the business's annual market share changes.
MARKET SHARE	The share of the served market expressed as a percentage.
MARKETING EXPENSES / REVENUES	The sum of salesforce, advertising, promotion and other marketing expenses expressed as a percentage of Revenues. Does not include costs of physical distribution.
MISCELLANEOUS CURRENT ASSETS	Cash and near cash items such as quoted investments and tax reserve certificates. Also sundry debtors, prepayments & accrued income due within one year, plus amounts due from group companies, associated & affiliated companies receivable within one year.
MISCELLANEOUS CURRENT LIABILITIES	Sundry creditors, accrued expenses and prepaid income including dividends, corporation tax, social security and other sundry amounts payable within one year.

MISCELLANEOUS LONG TERM LIABILITIES	Deferred and future taxation, minority interests, pension funds and similar liabilities, provisions for liabilities and charges due.
NET ASSETS	The net assets employed are obtained by subtracting total current liabilities from the total assets.
NET WORTH	Equals shareholders' funds less the intangible assets.
NEW PRODUCT SALES / REVENUES	Percentage of sales accounted for by new products. New products are those products introduced during the three preceding years.
NEWNESS OF PLANT & EQUIPMENT (NBV / GBV)	Newness of plant and equipment, measured as the ratio of Net Book Value to Gross Book Value.
NON-TRADING INCOME	Comprises Investment income received, such as income from quoted & unquoted investments, rents received, share of profit from associated companies; as well as Reserves adjustments, such as transfers from capital grant reserve, interest relief grants.
NUMBER OF EMPLOYEES + THEIR REMUNERATION	The average number of employees together with their aggregate wages and salaries.
OPERATING PROFIT MARGIN	Operating profit as a percentage of sales.
OPERATING PROFIT	Pre-tax profit plus interest, less non-trading income.
PRE-TAX PROFIT MARGIN	Pre-tax profits as a percentage of sales.
PRE-TAX PROFIT	The net trading profit figure declared after deducting all operating expenses including depreciation & finance charges but before deduction of tax, dividends, subventions or group relief and other appropriations. Consolidated data is included where applicable in respect of the share of profits & losses of associated companies. Items described as exceptional are included. Those described as extraordinary items are excluded.
PROFIT / EMPLOYEES	Profit before tax divided by the number of employees.
PURCHASE AMOUNT IMMEDIATE CUSTOMERS	The typical amount of products or services bought by an immediate customer in a single transaction.
QUICK RATIO	Current assets less stocks as a ratio of current liabilities.
RESEARCH & DEVELOPMENT EXPENSES / REVENUES	Product or Service R & D expenses plus Process R & D expenses expressed as a % Revenue. Product or Service R&D expenses include all expenses for innovation & advances in the products or services; including improvements in packaging, product design, features and functions. Process R & D expenses include all expenses for process improvements to reduce the cost of producing, processing and handling of goods. Sales are the net Revenues billed including lease revenues.
REAL MARKET GROWTH, SHORT-RUN	The annual growth rate of the size of served market, deflated by the selling price index, expressed as a percentage.
REAL MARKET GROWTH RATE	The historical annual real (unit) growth rate of the market which the business serves, expressed as a percentage.
RELATIVE COMPENSATION	The average of hourly wage rates relative to leading competitors and salary levels relative to competitors. Competitors' wage rates and salary levels are 100%; if ones wage rates and salary levels are 5% higher, ones relative hourly wage rates are 105%, relative salaries are 105%, and ones average relative compensation is 105%.
RELATIVE INTEGRATION BACKWARD	The degree of backward vertical integration (i.e. toward suppliers) of the business relative to its leading competitors.
RELATIVE INTEGRATION FORWARD	The degree of forward vertical integration (i.e. toward customers) of the business relative to its leading competitors (less than, the same as, more than).
RELATIVE MARKET SHARE	The market share of the business, relative to the combined market shares of the three leading competitors, expressed as a percentage.
RELATIVE PRICE	The average level of selling prices of the products & services relative to the average level of the leading competitors. The average price of the competitors is 100%; if the average prices of the business are 5% higher when its price relative to competition is 105%.
RELATIVE PRODUCT QUALITY	The percentage of sales volume from products and service that, from the perspective of the consumer, are judged as superior to those available from leading competitors minus the percentage judged as inferior.
RETURN ON ASSETS	Pre-tax profits as a percentage of total assets.
RETURN ON CAPITAL	Pre-tax profits as a percentage of capital employed.

RETURN ON SHAREHOLDERS FUNDS	Pre-tax profits as a percentage of shareholders' funds.
ROI = NET INCOME / INVESTMENT	Pre-tax net income, including special non-recurring costs, minus corporate overhead costs, as a percentage of average investment including fixed and working capital at book value, but excluding corporate investment not particular to the business.
SALES / EMPLOYEES	Sales divided by the number of employees.
SALES / FIXED ASSETS	Sales as a ratio of fixed assets.
SALES	Gross turnover recorded, including overseas sales, inter-group sales and exports, but excluding Value Added Tax or Sales Tax.
SALES	The net sales billed, including lease revenues.
SELLING PRICE GROWTH RATE	The annual growth rate of selling prices charged, expressed as a percentage.
SHAREHOLDERS FUNDS	The sum of issued, ordinary, and preference share capital, all reserves, the profit and loss balance (retained profits) and government grants.
SHORT TERM LOANS	Includes short term portions of loans, bank overdrafts, hire purchase repayments & leasing obligations, due within one year. Plus amounts due to affiliated entities within one year.
STANDARD PRODUCTS / SERVICES	The products or services of the business more or less standardized for all customers, or are they designed or produced to order for individual customers.
STOCK TURNOVER	Sales as a ratio of stocks.
STOCKS	Stocks and work in progress (net of progress repayments) held.
TOTAL CURRENT ASSETS	The sum of stocks, debtors and other current assets, representing the portion assets which is realizable within a year.
TOTAL CURRENT LIABILITIES	The sum of trade creditors, short term debt and other current liabilities.
TOTAL DEBT / WORKING CAPITAL	Total debt as a ratio of working capital.
TOTAL DEBT	This amount is obtained by adding short term loans to the long term loans.
TOTAL LIABILITIES	The sum of capital employed and total current liabilities.
TRADING PROFIT MARGIN	Trading profit as a percentage of sales.
TRADING PROFIT	Operating profit plus depreciation.
VALUE ADDED / EMPLOYEES	Value added (adjusted for profits) expressed in monetary terms per employee.
VERTICAL INTEGRATION	Value added as a percentage of sales. Both value added & sales are adjusted for profits to minimize that portion of the relationship with ROI affected by under or overstated earnings.
WAGES / REVENUES	Employee remuneration divided by Revenues.
WORKING CAPITAL / REVENUES	Working capital over Revenues.
WORKING CAPITAL	The short-term funding to carry out day to day trading activities, it is obtained by subtracting total current liabilities from the current assets.

Industry Norm Definitions

The data in this section derives data from 184 worldwide companies and organisations (Suppliers and Distribution Channel members).

Norms for the Product industry are shown in this section. This represents the major industry sector data for the industry in each country and as such forms the basis of international comparison.

Only the most critical factors can be compared with the various scenarios given as industry averages can at best represent an indication and not a specific point of measure.

Reliance on Industry Norms is often used by analysts in order to support theories and suppositions and these are in turn used for investment scenarios. In fact Industry Norms or Averages are not tangible as they combine and manipulate data from companies in wide ranging activities and thus much of the data is open to interpretation.

Much of the benefit in the analysis of Industry Norms is to use the data to provide guide-lines or parameters which can be seen to define and identify issues for the target industry sector.

Since these Industry Norms should be representative of the entire industry it is wise to provide an average which encompasses all the major countries in the trade cell.

INDUSTRY NOTES + DEFINITIONS for PURCHASING ENTITIES

- 01. OEM & Manufacturers Market Level
- 02. Wholesale & Distributor Market Level
- 03. Retailer & Added Value Retailer Market Level
- 04. End User & Consumer Market Level
- 05. Discounted & Promotional Market Level
- 06. Plant & Equipment Average Annual Investment
- 07. Product Prices / Market Average Index
- 08. New Products Introduction Index
- 09. Relative output of Products of a Superior Quality Index
- 10. Index of Comparative Salesforce and Selling Expenditure
- 11. Index of Comparative Advertising Expenditure
- 12. Index of Comparative General Promotional Expenditure
- 13. Product Adoption Rates
- 14. Product Sales Conversion Rates
- 15. Average Annual Sales Growth Rate
- 16. Capacity Utilization as a measure of Standard Capacity
- 17. Standardized Products & Services Index
- 18. Relative Employee Compensation Index
- 19. Instable Market Share as an Index of Total Market Share
- 20. Relative Forward Integration Index
- Plant and Equipment Investment greater than Depreciation Plant and Equipment Investment Equal to Depreciation Plant and Equipment Investment Less than Depreciation Plant and Equipment Investment - Unallocated
- 22. Plant and Equipment in Use within the range 0-3 years Plant and Equipment in Use within the range 3-6 years

Plant and Equipment in Use within the range 6-9 years Plant and Equipment in Use over years 9 old / Unallocated

- 23. Supplier Concentration = 8 Largest Supplier Concentration = 20 Largest Supplier Concentration = 50 Largest Supplier Concentration = Unspecified / Unallocated
- 24. Immediate Wholesale & Retail Customers Immediate OEM and Manufacturing Customers Immediate Consumer and End User Customers Immediate Non-Specific Customers / Unallocated
- Enterprises within the Range 1-19 Employees
 Enterprises within the Range 20-99 Employees
 Enterprises within the Range 100+ Employees
 Enterprises within Unspecified / Unallocated Employee Ranges
- 26. Buyer Age Profile in the range 0-19 Years Buyer Age Profile in the range 20-24 Years Buyer Age Profile in the range 25-34 Years Buyer Age Profile in the range 35-44 Years Buyer Age Profile in the range 45-54 Years Buyer Age Profile in the range 55-64 Years Buyer Age Profile in the range 65+ / Unallocated Years
- 27. Buyer Profile in the AB Social Group
 Buyer Profile in the C1 Social Group
 Buyer Profile in the C2 Social Group
 Buyer Profile in the DE / Unallocated Social Group
- 28. End User Age Profile in the range 0-19 Years End User Age Profile in the range 20-24 Years End User Age Profile in the range 25-34 Years End User Age Profile in the range 35-44 Years End User Age Profile in the range 45-54 Years End User Age Profile in the range 55-64 Years End User Age Profile in the range 65+ / Unallocated Years
- 29. End User Profile in the AB Social Group End User Profile in the C1 Social Group End User Profile in the C2 Social Group End User Profile in the DE / Unallocated Social Group

B²B^{Targets}

B²B Buyer Targets

Printing Inks, Specialist

This database contains data on 184 significant worldwide Purchasing Entities (Suppliers and Distribution Channel members).

Once users have identified from the B²B Purchasing World Report document the Materials, Products or Services of interest, together with the Countries of interest (based on the Total Demand, Profitability, Industry data, and other criteria) a next step is to access data on the Buyer Targets, i.e. the individual Companies, Organisations and other Purchasing Entities.

Users can get the Buyer Target data in several sections.

The **Procurement Data** provides information on the \$ Values and/or Quantities/Volumes of Materials, Products and Services purchased by individual Companies and Organisations. In addition to the Materials, Products & Services listed above, additional breakdowns and more detailed product and service data is available from the raw surveys.

The Trade Buyer & End User Data provides information on the Trade Buyers and End Users of individual Companies and Organisations. In addition to Buying Company Targets, the same data is also available on the Trade Buyers and End Users of Industry Companies and Competitors.

The Survey Data provides information on the Surveys of Materials, Products & Services, Operations, Buyer & Decision Maker Profiles, Trading Area, and Competitors. This data is available for Buying Company Targets as well as Industry Targets and Competitors.

The Corporate Data provides information on target companies or organisations and this will give readers a detailed understanding of the target. In addition to Buying Company Targets, the same data is also available on Industry Targets and Competitors.

Cost + Delivery Costs depend on the data required. A quotation of cost and delivery will be provided on request from the After-Sales Service (see below).

Procurement Data

Demand for Materials, Products & Services

The Procurement Data provides information on the \$ Values and/or Quantities/Volumes of Materials, Products and Services purchased by individual Companies and Organisations.

In addition to the Materials, Products & Services listed above, additional breakdowns and more detailed product and service data is available from the raw surveys.

This will always include data, by year Historic: from 1997, and a Forecast by year to 2040. Data can be provided for up to 200 countries.

The client can specify Product / Services Demand breakdowns as needed.

Trade Buyers & End User Data

Trade Buyers

This data can investigate the Trade Buyers in the selected industries. The data is based on a series of existing Databases and raw survey data. The client can specify information as needed.

End Users

This data can investigate the End Users in the selected industries. The data is based on a series of existing Databases and raw survey data. The client can specify information as needed.

Survey Data

Survey Data for the Products & Industries

Each survey (Suppliers, Distribution Channels, Decision Makers, Trade Buyers and End Users) contains 5 sub-sets for Products, Physical Operations, Buyer & End Users, Trading Area, & Competitors in the selected Industries.

Products	The client can specify information as needed.
Physical Operations	The client can specify information as needed.
Buyer & Decision Maker Profiles	The client can specify information as needed.
Trading Area	The client can specify information as needed.
Competitors	The client can specify information as needed.

These surveys cover the Industries, Products, Competitors, Operations and Product Flows in terms of the Suppliers, Distributors, Decision Makers, and End Users.

Industry & Supplier Performance

One can investigate the product Industry in the selected Industries. Industry Performance Survey results. The client can specify information as needed.

Distribution Channels

One can investigate the product Distribution Channels in the selected Industries. Distribution Survey results. The client can specify information as needed.

Decision Makers

One can investigate the product Buyers and Purchasing Decision Makers in the selected Industries. Purchasing Decision Makers Survey results. The client can specify information as needed.

Trade Buyers & End Users

One can investigate the End Users in the selected Industries. Trade Buyer & End User Survey results. The client can specify information as needed.

Corporate Data

This database contains data on 184 significant Companies (Suppliers and Distribution Channel members) worldwide.

The Corporate Data provides information on target companies or organisations and this will give readers a detailed understanding of the target company.

This part is provided as a PDF file or a Word file, as specified by the client.

Sample Data Objectives for each Target Company

The data objectives have to be set by the client and were possible these will be achieved by the research. For example:-

- 1. Financials: historical sales, forecasted sales, gross profit margin.
 - By industry sector and application sector as defined by the client.

For example, for the sales made by a Target Company those products sold to specific categories of customers, how much of their revenue is generated from providing various products, or application to specific categories of customers, et cetera.

- A list of products produced by the Target Company or sourced from other suppliers. 2.
- Type of distribution channel, e.g. direct sales to End Users, OEM sales, via specifiers, via importers or 3 distributor, partnering with third party providers, et cetera.
- Partners by type (e.g. specifiers, product distributor, customer service partner) per country 4.
- Pricing by product sector defined by the client. 5.
- 6. Discount structures
- Capacity by product/market defined
- 8. Availability of products (% of product in stock versus product to be ordered)
- 9. Sales by the type of Support for all categories specified by the client.
- 10. The average Modernization and Upgrades period by Product Sector defined by the client.
- 11. Customer Perceptions
- 12. The size (in terms of number) of management team per country, number of field sales persons per country, number of customer service staff per country.
- 13. Countries covered by the competitors, production sites (city), customer service sites (city), headcount, documentation.
- 14. Technology and innovation: innovative technology or application developments.
- 15. Et cetera... The client can specify any particular data which needs to be covered.

List of Target Companies

The Client may either select the target themselves, or can specify the Top 10 or Top 15 in the World / Europe / individual Country / et cetera. The client can specify which Target Companies are to be covered.

Base data objectives for the Target Company

Key Personnel:

- 1. Chairman
- 2. Chief Executive
- 3. Directors:
- 4. Executives:

Corporate Summary:

- 5. Company Description
- 6. Company History
- 7. Legal Entity & Ownership
- 8. Company Facilities
- 9. Company Key Assets
- 10. Mainline product / service
- 11. Product / services provided
- 12. Parent Company
- 13. Bankers
- 14. Year established
- 15. Current employees
- 16. Issued capital
- 17. Shareholders
- 18. Last published turnover
- 19. Subsidiaries
- 20. Associated companies
- 21. Companies represented
- 22. Agencies
- 23. Physical processing locations
- 24. Capital investment
- 25. Advertising expenditure
- 26. Advertising media
- 27. Advertising posture
- 28. Sales promotion activity
- 29. Method of selling
- 30. Distribution
- 31. Distribution network
- 32. Use of distribution channels
- SWOT Analysis:
 - 53. Strengths
 - 54. Weaknesses
 - 55. Opportunities
 - 56. Threats

Goals:

- 64. Renovating premises, stocking, staff & marketing.
- 65. Industry Penetration
- 66. Penetrate and raise awareness in target markets.
- 67. Achieving a higher profit margin.
- 68. Building the customer base.
- 69. Generate repeat and referral sales.
- 70. Expansion potential.
- 71. Reputation as a quality Supplier.

Exit Strategies:

Corporate Observations:

- 33. Premises
- 34. Product Brands
- 35. Product Sales Channels
- 36. Products Carried & Services Offered
- 37. Consumer Features & Benefits
- 38. Current Industry Analysis
- 39. Competition
- 40. Competitive Advantage
- 41. Target Industries
- 42. Target Customers
- 43. Current Strategy & Implementation
- 44. Current Management
- 45. Current Financial Plan
- 46. Investment Fund Sources & Use of Funds
- 47. Future Target Customers
- 48. Future Process Trends
- 49. Future Industry Analysis
- 50. Projected Industry Size
- 51. Planned Products & Services
- 52. Development Plans

- Future Strategy Planning & Implementation:
 - 57. Philosophy
 - 58. Product Development
 - 59. Internet Strategy
 - 60. Marketing Strategy
 - 61. Sales Strategy
 - 62. Strategic Alliances
 - 63. Operations
- Management:
 - 72. Organisational Structure
 - 73. Leadership
 - 74. Staff Members
- Financial Plans:
 - 75. Finance Requirements
 - 76. Use of Funds
 - 77. Cash Flow
 - 78. Balance Sheet Topics
 - 79. Financial Assumptions

Specific Additional corporate data required on Target Companies

The client can specify any particular corporate data which is needed:

80. -81. -82. - .../

These above items are a qualitative analysis of the Target Company. This data is derived from the Surveys of Industry sources, Distribution Channels and Buyers of the products supplied by the target company. This data is not quantified, but is presented as the qualified and subjective opinions of those responding to the surveys.

Financial Data for the Target Company

The financial data is provided in sections:-

- 1. the most salient Management figures and margins, and
- 2. a full Balance Sheet and Management Accounts simulation.

Management Accounts

Management figures for the Target Company: Management figures for the Target Company:

- 1. Product Revenue
- 2. Product Profitability as a % Revenue
- 3. Total Process Space
- 4. Average Site Process Space
- 5. Average Site Revenues
- 6. Average Site Establishment Cost
- 7. Fixed Assets: Premises
- 8. Fixed Assets: Equipment
- 9. Fixed Assets: Miscellaneous Items
- 10. Fixed Assets
- 11. Capital Expenditure on Premises
- 12. Capital Expenditure on Plant
- 13. Capital Expenditure on Equipment
- 14. Cap. Expend. on Data Processing
- 15. Capital Expenditure on Misc. Items
- 16. Total Capital Expenditure
- 17. Retirements: Premises
- 18. Retirements: Plant & Equipment
- 19. Retirements: Miscellaneous Items
- 20. Total Retirements

- 21. Total Fixed Assets
- 22. Finished Product Stocks
- 23. Work in Progress as Stocks
- 24. Materials as Stocks
- 25. Total Stocks / Inventory
- 26. Debtors
- 27. Miscellaneous Current Assets
- 28. Total Current Assets
- 29. Total Assets
- 30. Creditors
- 31. Short Term Loans
- 32. Miscellaneous Current Liabilities
- 33. Total Current Liabilities
- 34. Net Assets / Capital Employed
- 35. Long Term Loans
- 36. Miscellaneous Long Term Liabilities
- 37. Shareholders' Funds
- 38. Process Workers
- 39. Total Employees

Specific Additional Financial data required on Target Companies

The client can specify any particular Financial data which is needed.

Balance Sheet and Management Ratios

Balance Sheet and Management Accounts for the Target Company: 💹 as an Excel file:

- 1. Return on Capital
- 2. Return on Assets
- 3. Return on Shareholders' Funds
- 4. Pre-tax Profit Margins
- 5. Operating Profit Margin
- 6. Trading Profit Margin
- 7. Return on Investment
- 8. Assets Utilisation (Sales to Total Assets)
- 9. Sales as a ratio of Fixed Assets
- 10. Stock Turnover (Sales as a ratio of Stocks)
- 11. Credit Period
- 12. Creditors' Ratio (Creditors / Sales times 365 days)
- 13. Default Debtors / Ratio of Total Debtors
- 14. Un-Recoverable Debts Ratio of Total Debts
- 15. Working Capital / Sales
- 16. Materials & Energy Costs as a % Revenue
- 17. Added Value
- 18. Investment as a Ratio of Added Value
- 19. Value of Plant & Equipment % Revenue
- 20. Vertical Integration (Value Added % Revenue)
- 21. Research & Development Investment % Revenue
- 22. Capital Expenditure Investment % Revenue
- 23. Marketing Costs as a % Revenue
- 24. Current Ratio (Current Assets/Liabilities)
- 25. Quick Ratio
- 26. Borrowing Ratio Total Debt ratio of Net Worth)
- 27. Equity Ratio (Shareholders Funds : Total Liabilities)
- 28. Income Gearing
- 29. Total Debt as a ratio of Working Capital
- 30. Debt Gearing Ratio (Long Term Loans: Net Worth)
- 31. Average Remuneration (all employees)
- 32. Profit per Employee
- 33. Sales per Employee
- 34. Remunerations / Sales
- 35. Fixed Assets per Employee
- 36. Capital Employed per Employee
- 37. Total Assets per Employee
- 38. Value of Average Investment per Employee
- 39. Value Added per Employee
- 40. Materials Costs as a % Revenue
- 41. Wage Costs as a % Revenue
- 42. Payroll and Wages as a Ratio to Materials
- 43. Variable Costs as a % Revenue
- 44. Fixed Costs as a % Revenue
- 45. Fixed Costs as a Ratio of Variable Costs
- 46. Distribution Costs as a % Revenue
- 47. Warehousing Costs as a % Revenue
- 48. Physical Costs as a % Revenue
- 49. Fixed as a Ratio of Variable Distribution Costs
- 50. Fixed as a Ratio of Variable Warehousing Costs
- 51. Fixed as a Ratio of Variable Physical Costs
- 52. Fixed Ratio of Variable Total Distribution Costs
- 53. Product Returns Costs % Revenue
- 54. Product Installation Costs as a % Revenue
- 55. Product Breakdown Costs as a % Revenue
- 56. Product Systems Costs as a % Revenue
- 57. Product Service & Associated Costs % Revenue
- 58. Customer & Associated Costs % Revenue
- 59. Work in Progress / Materials Ratio Finished Products
- 60. Stock

- 61. Un-recoverable Debts Ratio of Total Debt
- 62. Un-recoverable Debts Ratio Within Terms
- 63. Total Sales Costs as a % Revenue
- 64. Total Distribution Costs as a % Revenue
- 65. Total Advertising Costs as a % Revenue
- 66. Total After-Sales Costs as a % Revenue 67. Total Customer Compensation Costs
- 68. Total Variable Marketing Costs % Revenue
- 69. Total Fixed Marketing Costs % Revenue
- 70. Total Fixed Marketing Costs : Ratio Variable Costs
- 71. Variable Sales Personnel Costs: Marketing
- 72. Variable Distribution Ratio Marketing Costs
- 73. Variable Advertising Costs : Marketing
- 74. Variable After-Sales Costs as a Ratio of Marketing Costs
- 75. Sales Personnel Variable Costs : Sales
- 76. Sales Personnel Variable Costs : Debtors
- 77. Sales Personnel Variable Costs
- 78. Exports as a % Revenue
- 79. \$ Hourly Pay Rate
- 80. \$ Hourly Wage Rate
- 81. Capital Employed
- 82. Return on Capital
- 83. Return on Assets
- 84. Return on Shareholders' Funds
- 85. Pre-tax Profit Margins
- 86. Operating Profit Margin
- 87. Trading Profit Margin
- 88. Return on Investment
- 89. Assets Utilisation (Sales : Total Assets)
- 90. Sales / Fixed Assets Materials Ratio Work in Progress

Value of Plant & Equipment as a % Revenue

Capital Expenditure Investment % Revenue

Total Debt as a ratio of Working Capital

Average Remuneration (all employees)

Value of Average Investment / Employee

35

Research & Development Investment as a % Revenue

- 91. Stock Turnover (Sales as a ratio of Stocks)
- 92. Credit Period
- 93. Creditors' Ratio
- 94. Default Debtors Ratio of Total Debtors

Vertical Integration Ratio

- 95. Un-Recoverable Debts Ratio of Total Debts
- 96. Working Capital / Sales

Current Ratio

Borrowing Ratio

Income Gearing

Debt Gearing Ratio

Profit per Employee

Sales per Employee

Remunerations / Sales

Fixed Assets per Employee

Total Assets per Employee

Value Added per Employee

Capital Employed per Employee

Quick Ratio

Equity Ratio

97. Materials & Energy Costs as a % Revenue

Marketing Costs as a % Revenue

98. Added Value99. Investment as a Ratio of Added Value

100.

101.

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Supplementary Data

The client can specify information as needed.

This section can be used to specify non-Industry or non-Corporate data and research, for example:-

- Product Data
- Distribution Data
- Processes
- Technologies
- Macro-Economic Issues
- Political Issues
- National Legislation and Regulations
- Product Certification and Conformity Issues
- Demographic Data
- Physical & Geographical data (for example, Highways, Elevations, et al)
- Business Resources
- Et cetera...



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Printing Inks, Specialist Database Editions



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Editions available

Printing Inks, Specialist

The report on Printing Inks, Specialist is available is several editions, and also there are various additional elements available from the After-Sales Service.

World B²B Database

The World Database gives market data for Printing Inks, Specialist on each of the Product and Demand Sectors for about 200 countries. There are data caveats on country data because in certain countries the data may not be available.

Regional B²B Database

There are 9 Regional Databases available which give market data for Printing Inks, Specialist on each of the Product and Demand Sectors for countries in a particular Region. There are data caveats for some country data because in certain countries the data may not be available.

- 1. Canada & USA
- 2. Central America (31 Countries)
- 3. South America (13 Countries)
- 4. Europe (44 Countries)
- 5. Eurasia (4 Countries)
- 6. Middle East (19 Countries)
- 7. Africa (54 Countries)
- 8. Asia (24 Countries)
- 9. Oceania (17 Countries)

See the countries in each Regional Report Appendix 1

Country B²B Database

There are Printing Inks, Specialist Country Database available for most countries. Country Reports provide detailed information on the target country.

Country + City B²B Database

The Printing Inks, Specialist Country + City Database provides users with commercial intelligence on markets and industry in a particular country, plus market, financial and industry data on each of the significant Cities and Towns in the country. For the larger countries, like China, India, the USA, Brazil, et al, the data is generally limited to the top 500 Cities and Towns within the country.

Demand for Materials, Products & Services

The report will give demand data for each of the below Printing Inks, Specialist Product and Demand Sectors, by year Historic: from 1997, and a Forecast by year to 2040. Data will be given for about 200 countries.

To see what such Country spreadsheets looks like (*illustrative examples only*): <u>Market Data</u> <u>Germany Market</u> <u>Germany Market Values</u> (US\$, Euros, Yen & Yuan)

In addition aggregate Demand data is given (illustrative examples only):

World / Global Totals (in US\$, Euros, Yen and Yuan) WORLD Market Values Dollar Euro WORLD Market Values Yen Yuan

9 Regional (Canada & USA, Central America, South America, Europe, Eurasia, Middle East, Africa, Asia, Oceania) Totals (in US\$, Euros, Yen and Yuan): <u>Europe Market Values Dollar Euro</u> <u>Europe Market Values Yen Yuan</u>

Year / Country Totals (1997 to 2040). Year 2010 Country Values Dollars

Code: BP1766_L : NAICS / SIC Product definition: 325910H Printing inks, nec

Products covered

PRINTING INKS - SPECIALIST

- 1. Printing inks, specialist
- 2. Raw & Feedstock Materials, n.e.c.
- 3. Finished Materials, n.e.c.
- 4. All other Input Materials & Components, n.e.c.
- 5. Buildings & Fittings
- 6. Plant & Equipment
- 7. Vehicles & Equipment
- 8. Data Processing, Software & Office Equipment
- 9. Miscellaneous Capital Purchases
- 10. New Technology Purchases
- 11. Process Technology Purchases
- 12. Research & Development Purchases
- 13. Fuel Purchases
- 14. Energy Purchases
- 15. Sub-Contracted Work Purchased
- 16. After-Sales Services Purchased
- 17. Technical Process Services Purchased
- 18. Technical Product Services Purchased
- 19. Legal & Public Relations Services Purchased
- 20. Leasing of Buildings
- 21. Rental & Leasing of Equipment
- 22. Financial Services Purchased
- 23. Building Maintenance & Services Purchased
- 24. Equipment Maintenance & Services Purchased
- 25. Services Purchased
- 26. Telecommunications & Data Services
- 27. Travel, Hotel & Subsistence Purchased
- 28. Office Supplies, Mailing,
- 29. Advertising Services & Media Purchases
- 30. Advertising Materials Purchases
- 31. Point of Sales Materials Purchases
- 32. Promotional Materials & Services Purchases
- 33. Sales Materials & Promotional Print
- 34. Contracted Logistics Services
- 35. Logistics Services Purchased
- 36. Contracted Warehouse & Storage Services
- 37. Warehouse & Storage Purchases
- 38. Contracted Product Handling Services
- 39. Product Handling Services Purchased
- 40. Contracted Process Services
- 41. Product Process Service Purchases

NAICS / SIC coded reports and databases

This database is a Demand database which is designed to be compatible with U.S. government databases.

For NAICS / SIC coded reports and databases, the report structures, datasets, field names, et al, are an analogue of U.S. Department of Commerce and U.S. Census databases, but in a worldwide context. The products are described under their NAICS or SIC coding. This coding system classifies products within Product Codes.

For a full explanation of the NAICS coding system see: http://www.census.gov/eos/www/naics/

These product / revenue lines codes are of course determined by the U.S. Government agencies.

However if users want additional data then this can be extracted from the various databases and surveys as part of the After-Sales Service.

Geographic Coverage

Albania Algeria Angola Argentina Armenia Aruba Australia Austria Azerbaijan Bahamas **Bahrain Bangladesh Barbados Belarus Belgium** Belize **Bhutan Bolivia** Bosnia + Herzegovina **Botswana** Brazil **Brunei** Bulgaria **Burma** Cambodia Cameroon Canada Chile China Colombia **Republic of Congo** D R Congo - Zaire Costa Rica Cote d'Ivoire Croatia Cuba Cyprus **Czech Republic** Denmark Dominica **Dominican Republic** Ecuador Egypt El Salvador Estonia Ethiopia Finland France French Guiana Gabon Gambia Georgia

Germany Ghana Greece Guadeloupe Guatemala Guinea Guinea-Bissau Guyana Haiti Honduras Hong Kong Hungary Iceland India Indonesia Iran Iraq Ireland Israel Italy Jamaica Japan Jordan Kazakhstan Kenva Korea South **Kuwait Kyrgyzstan** Laos Latvia Lebanon Lesotho Liberia Libya Lithuania Luxembourg Macedonia Madagascar Malawi Malaysia Martinique **Mauritius Micronesia** Mexico Moldova Mongolia Morocco Mozambique Namibia **Netherlands Netherlands Antilles New Zealand**

Nicaragua Nigeria Norway Oman Pakistan Panama Papua Paraguay Peru **Philippines** Poland Portugal Puerto Rico Qatar Reunion Romania **Russia** Saudi Arabia Senegal Serbia + Montenegro Sierra Leone Singapore Slovakia Slovenia South Africa Spain Sri Lanka Sudan Suriname Swaziland Sweden Switzerland Syria Taiwan Tajikistan Tanzania Thailand Trinidad Tunisia Turkey Turkmenistan Uganda Ukraine **United Arab Emirates United Kingdom United States** Uruguay Uzbekistan Venezuela Vietnam Zambia Zimbabwe

See Data Caveat below.

Financial Data

The databases will give Financial data for each of the below Printing Inks, Specialist Financial Data and Margins, by country, by year Historic from 1997, and a Forecast by year to 2040. Data will be given for EACH of the countries covered.

Balance Sheet Data

To see what such a spreadsheet looks like: Balance Sheet Data

Total Revenues, Domestic Revenues, Exports, Pre-tax Profit, Interest Paid, Non-trading Income, Operating Profit, Depreciation: Structures, Depreciation: Plant and Equipment, Depreciation: Miscellaneous Items, Total Depreciation, Trading Profit, Intangible Assets, Intermediate Assets, Fixed Assets: Structures, Fixed Assets: Plant and Equipment, Fixed Assets: Miscellaneous Items, Fixed Assets, Capital Expenditure on Structures, Capital Expenditure on Plant and Equipment, Capital Expenditure on Vehicles, Capital Expenditure on Data Processing Equipment, Capital Expenditure on Miscellaneous Items, Total Capital Expenditure, Retirements: Structures, Retirements: Plant and Equipment, Retirements: Miscellaneous Items, Total Retirements, Total Fixed Assets, Finished Product Stocks, Work in Progress as Stocks, Materials as Stocks, Total Stocks / Inventory, Debtors, Total Maintenance Costs, Services Purchased, Miscellaneous Current Assets, Total Current Assets, Total Assets, Creditors, Short Term Loans, Miscellaneous Current Liabilities, Total Current Liabilities, Net Assets / Capital Employed, Shareholders Funds, Long Term Loans, Miscellaneous Long Term Liabilities, Workers, Hours Worked, Work in 1st Quarter, Work in 2nd Quarter, Work in 3rd Quarter, Work in 4th Quarter, Total Employees, Raw Materials Cost, Finished Materials Cost, Fuel Cost, Electricity Cost, Total Input Supplies / Materials and Energy Costs, Payroll Costs, Wages, Directors' Remunerations, Employee Benefits, Employee Commissions, Total Employees Remunerations, Sub Contractors, Rental & Leasing: Structures, Rental & Leasing: Plant and Equipment, Total Rental & Leasing Costs, Maintenance: Structures, Maintenance: Plant and Equipment, Communications Costs, Miscellaneous Expenses, Sales Personnel Variable & Commission Costs, Sales Expenses and Costs, Sales Materials Costs, Total Sales Costs, Distribution Fixed Costs, Distribution Variable Costs, Warehousing Fixed Costs, Warehousing Variable Costs, Physical Handling Fixed Costs, Physical Handling Variable Costs, Physical Process Fixed Costs, Physical Process Variable Costs, Total Distribution and Handling Costs, Mailing & Correspondence Costs, Media Advertising Costs, Advertising Materials & Print Costs, POS & Display Costs, Exhibition & Events Costs, Total Advertising Costs, Product Returns & Rejection Costs, Product Installation & Re-Installation Costs, Product Breakdown & Post Installation Costs, Product Systems & Configuration Costs, Product Service & Maintenance Costs, Customer Problem Solving & Customer Complaint Costs, Total After-Sales Costs, Total Marketing Costs, New Technology Expenditure, New Production Technology Expenditure, Total Research and Development Expenditure, Total Operational & Process Costs, Debtors within Agreed Terms, Debtors Outside Agreed Terms, Un-recoverable Debts.

Financial Margins & Ratios Data

To see what such a spreadsheet looks like: Financial Margins & Ratios Data

Return on Capital, Return on Assets, Return on Shareholders' Funds, Pre-tax Profit Margins, Operating Profit Margin, Trading Profit Margin, Return on Investment, Assets Utilisation (given as a ratio of Sales to Total Assets), Sales as a ratio of Fixed Assets, Stock Turnover (Sales as a ratio of Stocks), Credit Period, Creditors' Ratio (given as Creditors divided by Sales times 365 days), Default Debtors given as a Ratio of Total Debtors, Un-Recoverable Debts given as a Ratio of Total Debts, Working Capital / Sales, Materials & Energy Costs as a % Revenue, Added Value, Investment as a Ratio of Added Value, Value of Plant & Equipment as a % Revenue, Vertical Integration (Value Added as a % Revenue), Research & Development Investment as a % Revenue, Capital Expenditure Investment as a % Revenue, Marketing Costs as a % Revenue, Current Ratio (Current Assets as a ratio of Current Liabilities), Quick Ratio, Borrowing Ratio (or Total Debt as a ratio of Net Worth), Equity Ratio (Shareholders Funds as a ratio of Total Liabilities), Income Gearing, Total Debt as a ratio of Working Capital, Debt Gearing Ratio (Long Term Loans as a ratio of Net Worth), Average Remuneration (all employees - full and part), Profit per Employee, Sales per Employee, Remunerations / Sales, Fixed Assets per Employee, Capital Employed per Employee, Total Assets per Employee, Value of Average Investment per Employee, Value Added per Employee, Materials Costs as a % Revenue, Wage Costs as a % Revenue, Payroll and Wages as a Ratio to Materials, Variable Costs as a % Revenue, Fixed Costs as a % Revenue, Fixed Costs as a Ratio of Variable Costs, Distribution Costs as a % Revenue, Warehousing Costs as a % Revenue, Physical Costs as a % Revenue, Fixed as a Ratio of Variable Distribution Costs, Fixed as a Ratio of Variable Warehousing Costs, Fixed as a Ratio of Variable Physical Costs, Fixed as a Ratio of Variable Total Distribution & Handling Costs, Product Returns & Rejections Costs as a % Revenue, Product Installation & Associated Costs as a % Revenue, Product Breakdown & Associated Costs as a % Revenue, Product Systems & Associated Costs as a % Revenue, Product Service & Associated Costs as a % Revenue, Customer Complaint & Associated Costs as a % Revenue, Stock Work in Progress & Materials as a Ratio of Finished Products, Stock Materials as a Ratio of Work in Progress. Un-recoverable Debts as a Ratio of Total Debt, Un-recoverable Debts as a Ratio of Debts Within Agreed Terms, Total Sales Costs as a % Revenue, Total Distribution & Handling Costs as a % Revenue, Total Advertising Costs as a % Revenue, Total After-Sales Costs as a % Revenue, Total Customer Compensation Costs as a % Revenue, Total Variable Marketing Costs as a % Revenue, Total Fixed Marketing Costs as a % Revenue, Total Fixed Marketing Costs as a Ratio of Total Variable Marketing Co, Variable Sales Personnel Costs as a Ratio of Marketing Costs, Variable Distribution & Handling Costs as a Ratio of Marketing Costs, Variable Advertising Costs as a Ratio of Marketing Costs, Variable After-Sales Costs as a Ratio of Marketing Costs, Sales Personnel Variable Costs as a Ratio of Sales, Sales Personnel Variable Costs as a Ratio of Debtors, Sales Personnel Variable Costs as a Ratio of Un-Recoverable Debtors, Exports as a % Revenue, \$ Hourly Pay Rate, \$ Hourly Wage Rate, Capital Employed.

General Contents

Printing Inks, Specialist World Report

This report provides commercial intelligence on industries in over 200 countries. The report analyses the world Demand with a basic point of reference, namely a base reference country.

These reports give both a narrative description of the matters covered as well as provide users the ability to directly use the Chapters (via Microsoft Word) to produce their own reports and documentation. Experienced users will be able to use the spreadsheet and databases to generate detailed narrative reports, charts and graphics - as well as sophisticated business and commercial forecasts and models. The databases are provided in both Excel spreadsheets and an Access database. Explanatory notes are provided as Word or PDF formats.

As an entry level product the narrative is necessarily illustrative in its terminology and seeks to provide a basic degree of business logic and theory which indicates the rational applied in the forecasting and modelling methodology.

The databases are specifically designed to provide users with a uniform and consistent numeric measure of both (normally) quantifiable values as well as conceptual factors which are (usually) only capable of qualification. Experienced users will know how to apply forecasting and modelling software to the numeric data provided to generate highly detailed and discrete business planning models. The databases provided in this report can be used directly with databases on other product, markets and industries in other countries. The databases are specifically designed to be transnational, currency neutral, inflation and purchasing parity adjusted, product parity and product equivalent adjusted, opportunity cost adjusted, and numerically compatible; they all can be linked or merged programmatically in business planning models to provide multi-national and multi-level analysis.

The databases are designed to give a common definition, unit of measure and quantification of demand in over 200 countries. These rely on data collection at various levels of the product flow; this effectively means: the producer, the distribution channels and the end user or consumers. This data is then correlated with any national and international statistical data produced by official agencies. Unfortunately, product flow data gathering in some countries is difficult, and furthermore the official statistical data is both inaccurate and sparse. In such circumstances, in some countries, we have to flag a Data Caveat as a warning.

Choice of Base Reference Country

As report databases are generated specifically for each client order, the client can select which Base Country the database uses. The choice of a Base Country is important as it puts the database into the client's own perspective. This is important, for example, in respect of Purchasing Parity data or the results of End User Survey data where the world data is presented from the relative position of the Base Country.

Database Edition Demand Research Contents

Please also see the Notes to the contents: Notes

Within each heading there are links with detailed descriptions and explanation of the contents; these can be opened when the link is clicked.

Chapters	Pages	Volumes	Diagrams, Maps & Illustrations	Spreadsheets & Database tables
59	2046	Online & DVD	c. 500	Excel Spreadsheets: 9664 Access tables: 9757

Databases & Structures

5

Root Folder	 Printing Inks, Specialist Report Database This folder contains a number of general files, plus the various main Chapter Files. Summary Documents The Report contains 2 Summary documents for the Market Research which can be opened in a Browser or as a Word document and paginated. If required these files can then be saved as PDF files:- 1. MR_Executive_Summary_Brief.html will render into about 70 pages. 2. MR_Executive_Summary.html will render into about 950 pages.
• 🚞	Market Research This folder contains the main Market Research files.
• 🚞	Corporate Research
	Where the database is specified as having Corporate Intelligence, this folder contains the main Corporate Research files.
•	Research Data This folder contains the Market Research files which are specific to this edition of the report.
•	BUSINESS PLANNING This folder contains the Business Plan Documents & Boilerplates Also see the Business Plan Images folder in Toolkit 1
•	BASE_FOLDERS Significant folders include:-
•	Cities HTM files listing Cities & Towns in the database
•	HELP Help documents Also see the HELP folder in Toolkit 1
•	MAPS
•	MDB Access databases
	 MarketResearch.mdb MarketResearch.mdb Table List
	• World.mdb World.mdb Table List
	World_Product_Sectors.mdb World_Product_Sectors.mdb Table List
	Corporate.mdb Corporate.mdb Table List
	Base.mdb General & Database Reference tables in 'Base_mdb_Database.zip' file

	[Size 75.8MB]
•	Data.exe Supplemental Database extraction [Optional. 547 databases for Modelling Level products. Size 2.56GB]
•	Auxiliary_Data.exe Auxiliary Database extraction [Optional. 44 databases for Modelling Level products. Size 298MB]
•	Data_Help.exe [Optional. 10,400 files for Modelling Level products. Size 34MB]
• 🖻	NAICS Classifications
• 🖻	REFERENCE Reference documents: Solution 2018 & Parallel Constant Constant Also see the REFERENCE folder in Toolkit 1
• 🚞	XLS 📓 Business Planning & Database Reference Spreadsheets
•	XLS_Corporate Spreadsheets
• 🗀	XLS_MarketResearch Market Research Spreadsheets

Documents & Manuals

There are additional resources to be found in Toolkit 1 which can be used to assist the interpretation and manipulation of the database. These are:-

- 1. Data Manuals on the Report Contents
- 2. Documents & Templates on the Report Contents
- 3. Help files on the Report Contents
- 4. Manuals & Templates on the Report Contents

For a detailed Table of Contents for each chapter, database or spreadsheet: **click** on the **Blue headings shown below.** This will open a page in your browser which fully specifies the contents of that heading.

Spreadsheets



Chapters

- 1 OVERSEAS DEVELOPMENT
- 2 ADMINISTRATION
- 3 ADVERTISING
- 4 BUYERS COMMERCIAL OPERATIONS
- 5 BUYERS COMPETITORS
- 6 BUYERS MAJOR CITY
- 7 BUYERS PRODUCTS
- 8 BUYERS TRADE CELL
- 9 COMPETITIVE INDUSTRY ANALYSIS
- **10 COMPETITOR ANALYSIS**
- **11 COUNTRY FOCUS**
- 12 DISTRIBUTION
- 13 FINANCIAL BUSINESS DECISION SCENARIOS
- 14 FINANCIAL CAPITAL COSTS FINANCIAL SCENARIOS
- 15 FINANCIAL CASHFLOW OPTION SCENARIOS
- 16 FINANCIAL COST STRUCTURE SCENARIOS
- 17 FINANCIAL HISTORIC INDUSTRY BALANCE SHEET
- 18 FINANCIAL HISTORIC MARKETING COSTS & MARGINS
- 19 FINANCIAL INVESTMENT + COST REDUCTION SCENARIOS
- 20 FINANCIAL MARKET CLIMATE SCENARIOS
- 21 FINANCIAL MARKETING COSTS
- 22 FINANCIAL MARKETING EXPENDITURE SCENARIOS
- 23 FINANCIAL MARKETING MARGINS
- 24 FINANCIAL STRATEGIC OPTIONS SCENARIOS

- 25 FINANCIAL SURVIVAL SCENARIOS
- 26 FINANCIAL TACTICAL OPTIONS SCENARIOS
- 27 GEOGRAPHIC DATA
- 28 INDUSTRY NORMS
- 29 MAJOR CITY MARKET ANALYSIS
- 30 MARKET CAPITAL ACCESS SCENARIOS
- 31 MARKET CASHFLOW SCENARIOS
- 32 MARKET ECONOMIC CLIMATE SCENARIOS
- 33 MARKET INVESTMENT + COSTS SCENARIOS
- 34 MARKET MARKETING EXPENDITURE SCENARIOS
- 35 MARKET RISK SCENARIOS
- 36 MARKET STRATEGIC OPTION SCENARIOS
- 37 MARKET SURVIVAL OPTION SCENARIOS
- 38 MARKET TACTICAL OPTION SCENARIOS
- 39 MARKETING EXPENDITURE -v- MARKET SHARE
- 40 MARKETING STRATEGY DEVELOPMENT
- 41 MARKETS
- 42 OPERATIONAL ANALYSIS
- 43 PERSONNEL MANAGEMENT
- 44 PHYSICAL DISTRIBUTION + CUSTOMER HANDLING
- 45 PRICING
- 46 PROCESS + ORDER HANDLING
- 47 PRODUCT ANALYSIS
- 48 PRODUCT DEVELOPMENT
- 49 PRODUCT MARKETING FACTORS
- 50 PRODUCT MIX
- 51 PRODUCT SUMMARY
- 52 PROFIT RISK SCENARIOS
- 53 PROMOTIONAL MIX
- 54 SALESFORCE DECISIONS
- 55 SALES PROMOTION
- 56 SURVEYS
- 57 TARGETS PRODUCT + MARKET
- 58 TECHNOLOGY
- 59 TRADE CELL ANALYSIS

Countries	Demand	Demand Forecast	Financial Forecast	Financial Margins	Historic Financial	Historic Costs	Industry Norms
Albania	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Algeria	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Angola	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Argentina	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Armenia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Aruba	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Australia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Austria	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Azerbaijan	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Bahamas	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Bahrain	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Bangladesh	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Barbados	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Belarus	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Belgium	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Belize	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Bermuda	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Bhutan	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Bolivia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Bosnia & Herzegovina	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Botswana	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Brazil	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Brunei	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Bulgaria	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Cambodia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Cameroon	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Canada	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Chad	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Chile	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
China	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Colombia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Costa Rica	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Cote d'Ivoire	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Croatia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Cuba	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Cyprus	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Czech Republic	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Denmark	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Dominica	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Dominican Republic	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Ecuador	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Egypt	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
El Salvador	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Estonia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Ethiopia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Finland	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
France	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
French Guiana	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Gabon	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Gambia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Georgia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Germany	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Ghana	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Greece	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Guadeloupe	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Guatemala	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Guinea	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Guinea-Bissau	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Guyana	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms

1							
Haiti	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Honduras	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Hong Kong	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Hungary	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Iceland	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
India	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Indonesia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Iran	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Iraq	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Ireland	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Israel							
Italy	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Jamaica	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Japan	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Jordan	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Kazakhstan	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Kenya	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Kuwait	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Kyrgyzstan	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Laos	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Latvia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Lebanon	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Lesotho	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Liberia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Libya	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Liechtenstein	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Lithuania	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Luxembourg Macedonia	Market			Forecast			Norms
		Forecast	Forecast		Historic	Historic	
Madagascar	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Malawi	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Malaysia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Malta	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Martinique	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Mauritius	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Mexico	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Moldova	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Monaco	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Mongolia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Morocco	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Mozambique	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Namibia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Nepal	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Netherlands	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Netherlands Antilles	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
New Caledonia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
New Zealand	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Nicaragua	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Nigeria	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Norway	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Oman	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Pakistan	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
_							
Panama Babua Naw Cuinas	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Papua New Guinea	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Paraguay	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Peru	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Philippines	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Poland	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Portugal	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Puerto Rico	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Qatar	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Reunion	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Romania	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
-							

Russia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Saudi Arabia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Senegal	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Serbia & Montenegro	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Sierra Leone	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Singapore	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Slovakia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Slovenia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
South Africa	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
South Korea	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Spain	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Sri Lanka	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Suriname	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Swaziland	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Sweden	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Switzerland	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Syria	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Taiwan	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Tajikistan	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Tanzania	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Thailand	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Trinidad & Tobago	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Tunisia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Turkey	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Turkmenistan	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Uganda	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Ukraine	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
United Arab Emirates	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
United Kingdom	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
United States	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Uruguay	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Uzbekistan	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Venezuela	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Vietnam	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Virgin Islands	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Zambia	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms
Zimbabwe	Market	Forecast	Forecast	Forecast	Historic	Historic	Norms

The Data Caveat

The report databases are designed to give a common definition, unit of measure and quantification of demand in over 200 countries. These reports rely on data collection at various levels of the product flow; this effectively means, the producer, the distribution channels and the end user or consumers. This data is then correlated with any national and international statistical data produced by official agencies. Unfortunately, product flow data gathering in some countries is difficult, and furthermore the official statistical data is both inaccurate and sparse. In such circumstances, in some countries, we have to flag a Data Caveat as a warning. What this means is that in some countries the data is not sufficiently verifiable for statistical purposes and in those cases the data may not be presented.

Methodology

For more information on methodology please download a copy of the Methodology Manual:

Methodology_Manual.pdf

Deliverables

The Database Edition is provided as follows:

- Executive Summary at a Word document (850 pages) + Executive Summary as a PDF (850 pages).
 World Edition: Executive Brief (90 html pages) + Executive Summary (900 html pages).
- 2. Online downloadable Zipped version of the report.
- 3. Back-up DVD with Report and Report Database (Optional).
- 4. 12 months After-Sales Service.
- 5. 1-2 hour Teleconference / Teamviewer presentation of the report findings if required. See After-Sales Service.
- 6. Dedicated web site access for the report & databases if required. See After-Sales Service.

About this Database

As an entry level product the narrative is necessarily illustrative in its terminology and seeks to provide a basic degree of business logic and theory which indicates the rational applied in the forecasting and modelling methodology. First time users should read the Database Introduction as well as the Notes and Definitions links found in each Chapter. There are subtle statistical nuances to some of the spreadsheets & databases which will help the user to fine-tune their models and forecasts to obtain maximum effect and greater accuracy.

Data Product levels

Because of the sheer volume of data potentially available it has been necessary to create a number of product levels which can provide clients with as little or as much data as needed. Clients can upgrade their Product level if required.

Database Entry level

Entry level products provide the most basic degree of information supplied. This product can be used to build upon for various business forecasting and planning application. A World Report will have a database of over 9,000 record sets.

Corporate Modelling level

The Corporate level modelling products provide the tools and information for medium and long term corporate forecasting and planning. Typically this level will produce a count of over 24,000 record sets.

Econometric Modelling level

The Econometric level modelling products provide the tools and information for industry level, national, and international medium & long term forecasting and planning. Typically this has a database of over 39,000 record sets.

Presentation level

The Presentation level products provide the information sought by a client company is a graphical or audio-visual format which is bespoke for the particular needs and applications of the client.

Real Time Support

The After-Sales Service can offer client Real-Time Support. This usually involves using a software utility called TeamViewer (an installation program can be found in the Toolkit on your DVD or Hard Disk Drive) which allows the After-Sales Service support staff to directly link to the client's computer and work with the users in real time.

Toolkits

To assist users there are various Toolkits available on request:

The Files, Data, Documents, Software, Tools, Utilities and other items provided on these DVDs are supplied for the sole use of the recipient. These items are the property of the publishers concerned and they may not be released or distributed without the express permission of the publisher of each item.



Toolkit 1

- 1. Data Manuals
- 2. Document Templates
- 3. Help files
- 4. Manuals Templates
- 5. Microsoft Utilities
- 6. OpenOffice
- 7. Business Plan Images
- 8. Reference files
- 9. US Census Data Tools
- 10. Utilities & Tools

Toolkit 2

- 1. Database Utilities
- 2. Enterprise Resource Planning
- 3. Integrated Development Environment

Because all DataGroup & Data Institute database are directly compatible with U.S. Government databases it is sometimes useful for users to use US Government data handling tools to manage not only US Government data, but also the data provided by DataGroup and Data Institute. Alternatively, if you are already using this US Government software you can simply access the DataGroup & Data Institute databases with the same software. In generate DataGroup & Data Institute use the same database parameters, structures and field names as those found in US Government databases, and thus users can correlate and query databases without undue difficulty.

If you intend to implement DataGroup and Data Institute databases online (internet or intranet) then an Integrated Development Environment is often the easiest route to data dissemination and data manipulation.

Toolkit 3

There are about 40 Statistical packages provided in this Toolkit. These are Open-Source packages which are generally free to use:

acsIX, ADaMSoft, ADMB, AMPL, Analyse-it, Analytica, Angoss, APMonitor, ASReml, Automlab, Baudline, Bayesian Filtering Library, BMDP, BV4.1, CalEst, Ch, Chronux, COMSOL Script, CSPro, DADISP, DAP, Data Applied, Dataplot, Demetra+, EJS, ELKI, Epi Info, Euler Mathematical Toolbox, EViews, FAME, FEniCS Project, Fityk, FlexPro, GAUSS, Genedata Analyst, GenStat, GeoDA, GLIM, GNU Data Language, GraphPad InStat, GraphPad Prism, gretl, Hermes, IBM SPSS Modeler, IBM SPSS Statistics, IDAMS/WinIDAMS, IDL, IGOR Pro, IMSL Numerical Libraries, Izenda, JAGS, JHepWork, JMP, JMulTi, Julia, KPP, LabPlot, LISREL, Macsyma, Madagascar, MadArtSoft, Madeline, Maple, Mathcad, Mathemagix,, Mathematica, MATLAB, MCSim, MedCalc, Minitab, MINUIT, MLwiN, Mondrian, NCAR Command Language, NCSS, NMath Stats, numberGo Publisher, NumXL, Octave, O-Matrix, OpenBUGS, OpenEpi, OpenMx, OptimJ, Orangesrc="images/ Origin, OriginPro, PARI/GP, Partek, PAW, Perl Data Language, Ploticus, Primer-E Primer, PSPP, PV-WAVE, Q research software, QtiPlot, Quantum, R, R Commander, R Rattle GUI, RapidMiner, RATS, Revolution Analytics, ROOT, Sage, SALOME, Salstat, SAS, scikit-learn, Scilab, SciPy, SHAZAM, Shogun, SigmaStat, SigmaXL, Simfit, Simu, SOCR, SOFA Statistics, SPC XL, Speakeasy, S-PLUS, SPSS, Stata, Statgraphics, STATISTICA, Statistical Lab, Stat-JR, Stats Helper, StatXact, SUDAAN, Systat, The Unscrambler, Trilinos, Unistat, VisSim, Waffles, Weka, WinBUGS, Winpepi, X-12-ARIMA, XLfit, Xlisp-stat, XploRe, Yorick

Toolkit 5

Toolkit 4

Utilities & resources, for clients using

Utilities & resources for clients with Microsoft Server 2008 databases on Microsoft Server 2003 systems. systems. Microsoft Server 2012 migration utilities are also provided in this Toolkit

53

Proprietary Software package compatibility

If you use proprietary corporate planning software then it is easy to use these databases as they are compatible with the following packages:-

Some Compatible Software products (See the Database Support site for a full list)

Project Management Software: 24SevenOffice, Assembla, AtTask, Basecamp, Central Desktop, Cerebro, Clarizen, codeBeamer, Collabtive, Concerto, Contactizer, CredAbility.info, dotProject, Easy Projects .NET, eGroupWare, FastTrack Schedule, Feng Office Community Edition, FogBugz, GanttProject, Gemini, Genius Inside, Glasscubes, Huddle, Hyperoffice, InLoox, JIRA, Journyx, Kayako, KForge, KPlato, Launchpad, LiquidPlanner, LisaProject, MacProject, MantisBT, MatchWare MindView 3 Business, Merlin, MicroPlanner X-Pert, Microsoft Office Project Server, Microsoft Project, Mingle, O3spaces, OmniPlan, Open Workbench, OpenProj, Oracle Project Portfolio Management, Planisware 5, Planner Suite, Pmplus+, Primavera Project Planner, Project KickStart, Project.net, Project-Open, Projectplace, ProjectSpaces, Projektron BCS, PSNext, QdPM, QuickBase, Redmine, Rachota, SAP RPM, Smartsheet, TaskJuggler, Teamcenter, Teamwork, Tenrox, Trac, TrackerSuite.Net, Ubidesk, VPMi, WorkLenz, WorkPLAN Enterprise, workspace.com, WebSPOC, Wrike, Zoho Projects

ERP Packages: Adempiere, BlueErp, Compiere, Dolibarr, Fedena, GNU Enterprise, JFire, Kuali Foundation, LedgerSMB, OFBiz, Openbravo, OpenERP, Opentaps, Postbooks, SQL-Ledger, Tryton, WebERP, 1C:Enterprise, 24SevenOffice Start / Premium / Professional, abas ERP, Accpac, Agresso Business World, AMS Advantage, BatchMaster ERP, Bowen & Groves, CGram Enterprise, Clear Enterprise, Comarch Altum, Compass ERP, Compiere, Comprehensive Patient Administrator, COA Solutions Ltd - Smart Business Suite, Consona Corporation – Intuitive / Made2manage / AXIS / Cimnet / Encompix / DTR, Epicor Enterprise, Global Shop Solutions One-System ERP Solutions, HansaWorld, ERP Adage (Adage), ERP LN (Baan), ERP LX (BPCS) , ERP SL (SyteLine), ERP Swan, ERP SX.Enterprise (SX.Enterprise), ERP VE (Visual Enterprise), ERP XA (MAPICS), IFS Applications, JD Edwards EnterpriseOne & JD Edwards World, JustFoodERP.com, kVASy4, Kingdee, Lawson M3 / Movex, Lawson S3, Log-net, Maximo (MRO), Microsoft Dynamics AX, Microsoft Dynamics GP, Microsoft Dynamics NAV, Microsoft Dynamics SL, Momentum, MyWorkPLAN, NetSuite, Openda QX, OpenMFG, Oracle e-Business Suite, Paradigm, PeopleSoft, Plex Online, QAD Enterprise Applications, Ramco Enterprise Series 4.x, Ramco e.Applications, Ramco On Demand ERP, MAS 90, MAS 200, MAS 500, Technology One, SAGE ACCPPAC, SAGE Pro ERP, SAGE ERP X3, SAP Business Suite, SAP Business ByDesign, SAP Business One, SAP Business All-in-One, TaskHub, SYSPRO, SYS-APPS, mySAP, Visibility.net, WorkPLAN Enterprise

Enterprise Feedback Management Systems: SynGro, Perseus (Vovici), Clicktools, DatStat, Inquisite, SPSS, FIRM (Confirmit), NetReflector, Allegiance, Enetrix, Satmetrix, RightNow Technologies, Mindshare Technologies, Data Illusion, KeySurvey (WorldAPP), Kinetic Data, CustomerSat, Medallia, Interview SA, Surveynomics, Invoke Solutions, Qualtrics, Fizzback, Grimmersoft, QuestManager, QuestBack, Globalpark, DataCycles, Dub Studios, eLustro, Kinesis Survey Technologies, Knowledge Wave, myK (myKnowledge), mySurveyLab.com, QuickSearch, Ransys, ResponseTek Networks Corp., TalkFreely, XTCO, Zarca

Resource Web

Sometimes clients also want the data loaded onto a password protected dedicated website for the use of their staff and any other persons they may authorise.

The main benefit of these Resource Webs is that the data is available to all the client's staff and professional advisors wherever they may be, and also when data is updated, or new data is added, then there is a common point of access for that data. Resource Webs are maintained for the use of the client for a period of 12 months from the last update to that site. These dedicated web sites are provided by the After-Sales Service.

For a detailed view of a typical Resource Web: <u>http://www.eni-italy.info</u> produced for ENI, the Italian Oil group

Research & Survey Methodology Analysis

Some client may wish to understand the statistical and methodological basis of the specific research conducted and this can be provided as part of the After-Sales Service.

Statistical Appraisal of Datasets (via the After-Sales Service)

Sampling

- External Validity
- $\circ \ \ \, \text{Sampling Terminology}$
- o Statistical Terms in Sampling
- Probability Sampling
- Nonprobability Sampling

Measurement

- Construct Validity
 - Measurement of Validity Types
 - o Construct Validity
 - o Convergent & Discriminant Validity
 - Threats to Construct Validity
 - o Nomological Networks
 - o Multi-trait / Multi-method Matrix
 - Pattern Matching Construct Validity
- Reliability
 - True Score
 - o Measurement Error
 - o Reliability
 - o Type of Reliability Analysis
 - Validity
- Levels of Measurement
- Survey Research
 - Survey Type
 - Selecting the Survey Method
 - Construction of the Survey
 - Questions
 - Question Content
 - Response Format
 - Question Wording
 - Question Placement
 - o Interviews
 - $\circ~$ Appraisal of Survey Method
- Scaling
 - $\circ~$ General Issues in Scaling
 - $\circ~$ Thurstone Scaling
 - o Likert Scaling
 - Guttman Scaling
- Qualitative Measures
 - Qualitative Discussion
 - Qualitative Data
 - Qualitative Approach
 - Qualitative Method
 - Qualitative Validity
- Unobtrusive Measures

Design

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- Internal Validity
 - Establishing Cause & Effect
 - Single Group Threats
 - Regression to the Mean
 - Multiple Group Threats
 - Social Interaction Threats
- Design Development
- Design Type
 - Experimental Designs
 - Two-Group Experimental Design
 - Probabilistic Equivalence
 - Random Selection & Assignment
 - Classifying Experimental Designs
 - Factorial Design
 - Factorial Design Variations
 - Randomized Block Design
 - Covariance Design
 - Hybrid Experimental Design
 - Quasi-Experimental Designs
 - \circ Non-equivalent Groups Design
 - Regression-Discontinuity Design
 - Other Quasi-Experimental Design
- Relationships of Pre-Post Designs
- Formulation of the Designs
- Modification & Experimentation
- Analysis
 - Conclusion Validity
 - Threats to Validity
 - Validity Improvements
 - Statistical Control
 - Data Preparation
 - Descriptive Statistics
 Orrelation
 - Inferential Statistics
 - o T-Test
 - $\circ \ \ \text{Indicator Variables}$
 - o General Linear Model
 - Post-test-Only Analysis
 - Factorial Design Analysis
 - Randomized Block Analysis
 - Analysis of Covariance
 - Non-equivalent Group Analysis
 - Regression-Discontinuity Analysis
 - Regression Displacement Analysis

Appendix 1 : Regional Report country coverage

Canada & USA

Canada United States

Central America

Antigua and Barbuda* Aruba Bah<u>amas</u> **Barbados** Belize Bermuda* Cayman Islands* Costa Rica Cuba Dominica **Dominican Republic** El Salvador Grenada* Guadeloupe Guatemala Haiti Honduras Jamaica Martinique Mexico **Netherlands Antilles** Nicaragua Panama Puerto Rico Saint Kitts and Nevis* Saint Lucia* Saint Vincent Grenadines* Trinidad and Tobago US Virgin Islands*

South America

Argentina Bolivia Brazil Chile Colombia Ecuador French Guiana Guyana Paraguay Peru Suriname Uruguay Venezuela Europe Albania Andorra* Armenia Austria Belarus Belgium Bosnia + Herzegovina Bulgaria Croatia Cyprus Czech Republic Denmark Finland France Eire Estonia Georgia Germany Greece Greenland* Hungary Iceland Italy Latvia Liechtenstein* Lithuania Luxembourg Macedonia Malta* Moldova **Montenegro Netherlands** Norway Poland Portugal Romania Serbia* Slovakia Slovenia Spain Sweden Switzerland United Kingdom Ukraine

Eurasia

<u>Kazakhstan</u> <u>Kyrgyzstan</u> <u>Russia</u> Uzbekistan

Middle East

Afghanistan* Azerbaijan **Bahrain** Iran Iraq Israel Jordan Kuwait Lebanon Oman Pakistan Qatar Saudi Arabia Syria Tajikistan Turkey Turkmenistan **United Arab Emirates** Yemen*

Asia

Bangladesh Brunei* Burma^{*} Cambodia China India Indonesia Japan Laos Malaysia Mongolia* Nepal* North Korea* **Philippines** Singapore South Korea Sri Lanka Taiwan Thailand Vietnam

Oceania

Australia Fiji Islands* French Polynesia* Kiribati* Micronesia* New Caledonia* New Zealand Papua New Guinea

Africa Algeria Angola Benin* Botswana Burkina Faso* Burundi* Cameroon Cape Verde* Cen African Rep* Chad* Cote d'Ivoire Democratic Republic Congo* Djibouti* Eqypt Equatorial Guinea Eritrea Ethiopia Gabon Gambia Ghana Guinea Guinea

Egypt Equatorial Guinea* Eritrea <u>Ethiopia</u> Gabon Gambia Ghana Guinea Guinea-Bissau Kenva Lesotho Liberia <u>Libya</u> Madagascar Malawi Mali* Mauritania* Morocco Mozambique Namibia Niger* Nigeria Republic Congo* Rwanda* S Tome Principe* Senegal Seychelles* Sierra Leone Somalia* South Africa Sudan* Swaziland Tanzania Tunisia Uganda Zambia

Zimbabwe

The countries marked * indicate a data caveat due to local survey conditions.

Appendix 2 : About the After-Sales Service

The DataGroup / Data Institute After-Sales Service are an independent unit which provides support to DataGroup / Data Institute users. The After-Sales Service is a stand-alone unit which is not connected to any particular Distributor, Reseller or Retailer.

Support is provided on a contractual basis to Account Holders; and on an Ad Hoc basis to retail & non-account users.

Database specificity

The After-Sales Service can only provide support for the specific database(s) licenced to the user. We cannot generally provide data from unrelated databases, unless there is a specific agreement for this.

Costs

The current cost is \$95 per hour; this includes all researchers / computer / database access costs. This costing is based on work which is scheduled at off-peak times.

Delivery

We normally seek to fulfil orders in 7-14 days. For more urgent After-Sales Service work the costs depend on the client's time frame and the availability of our researchers.

Telephone Support

Account Holders receive telephone support via their Account Manager. We are unable to offer telephone support to Ad Hoc or retail clients unless there is a specific agreement for this.

Online Support

Account Holders receive online support via their Account Manager. We are able to offer online support to Ad Hoc or retail clients by specific agreement for this.

Quotations

Client will usually be provided with a formal proposal and quotation for After-Sales Service work. This will underline the work which is to be provided and the cost of that work.

How to order After-Sales Services

The After-Sales Service is most effective if users plan their orders sequentially, i.e. extract the basic data which will then lead to more complex data or correlations. This also helps to reduce costs as the use of automated processing & standard data formats are always less expensive to produce than Ad Hoc work.

Modular research

Once the After-Sales Service understands the general data requirements they will send the Client a Modular Proposal as a Word document. The Client can then select the Parts required, and amend or modify the information objectives.

The best way to organise the ordering of data is as follows:-

- 1 Additional Market Research Data
- 2 Distribution Channels & End Users
- 3 Survey Data
- 4 Corporate Data
- **5** Additional Requirements

Once a client has specified exactly what data is needed, and that specification is available, then the After-Sales Service will produce a written quotation of cost and delivery time.

Database Compatibility

The increased use of Database Management Systems, Business Planning and Control Systems, Enterprise Resource Planning, Management Information Systems, and other tools amongst management professionals has produced a critical need for the harmonisation of data across various software applications and systems platforms. The After-Sales Service ensures that its output, where required, will be fully compatible with every product and database.

For this reason all the databases use harmonised database and data sets; thereby users can obtain any database from any of the publishers, for any of their brands, with the assurance that these databases are fully compatible and can be used in conjunction with one another and the various platforms, operating systems and software.



The Data Institute has, since 2007, undertaken the harmonisation and convergence of the database specifications and definitions of the various database providers. This is to allow users a uniform and standardised reference to use with their planning and forecasting; and to allow cross-database functionality.

The data sets, modules and standards shown are now fully harmonised and standardised to allow data and software interflow and cross-platform usage of the databases. Users may obtain older data dictionaries and standards, and/or data sets and data dictionaries for their own national standards. The standard product and market definitions have been harmonised and are provided (in the standard database products supplied), often as the NAICS classifications. Users wishing to remain with the previous SIC classifications may obtain these databases under that classification system. Users requiring other (U.N., European, Japanese, et cetera) classification definitions and norms may obtain those as necessary. Accounting standards are also harmonised according to the U.S. regulatory norms; however other norms are available. Data dictionary and data definition bridges and converters are available to allow users to update or standardise their databases. The Data Institute has undertaken to maintain support for the older data dictionary standards and definitions until 2025; however users are urged to update at their earliest convenience.



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