

# CHINESE TAIPEI

## R&D expenditure in industry by main activity of the enterprise, current prices

ISIC Rev. 4

Million USD PPP

|  | 2005           | 2006            | 2007            | 2008            | 2009            | 2010            | 2011            | 2012            |
|--|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>TOTAL BUSINESS ENTERPRISE</b>   | <b>9 739.9</b> | <b>11 165.8</b> | <b>12 737.0</b> | <b>14 505.5</b> | <b>15 040.6</b> | <b>17 044.5</b> | <b>19 054.6</b> | <b>20 373.6</b> |
| <b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>   | ..             | ..              | ..              | ..              | ..              | ..              | ..              | ..              |
| <b>05-09 MINING AND QUARRYING</b>  | ..             | ..              | ..              | ..              | ..              | ..              | ..              | ..              |
| <b>10-33 MANUFACTURING</b>   | <b>8 985.1</b> | <b>10 277.2</b> | <b>11 836.2</b> | <b>13 453.9</b> | <b>13 896.3</b> | <b>15 756.1</b> | <b>17 699.7</b> | <b>18 776.2</b> |
| 10-12 Food products, beverages and tobacco   | 75.8           | 84.7            | 96.9            | 111.2           | 103.8           | 119.3           | 135.6           | 158.2           |
| 13-15 Textiles, wearing apparel, leather and related products                                | 141.6          | 188.5           | 219.9           | 223.7           | 228.1           | 211.5           | 236.5           | 252.1           |
| 13 Textiles  | 66.1           | 79.6            | 97.1            | 118.5           | 115.7           | 113.3           | 121.4           | 119.4           |
| 14 Wearing apparel   | 7.0            | 10.4            | 12.7            | 12.6            | 12.1            | 11.0            | 12.1            | 10.8            |
| 15 Leather and related products, footwear  | 68.5           | 98.5            | 110.1           | 92.7            | 100.3           | 87.1            | 102.9           | 121.9           |
| 16-18 Wood and paper products and printing   | 21.8           | 26.7            | 24.1            | 36.4            | 38.7            | 39.5            | 37.3            | 39.8            |
| 16 Wood and wood products, except furniture  | 0.1            | 0.0             | 0.1             | 0.0             | 0.0             | 0.3             | 1.0             | 0.8             |
| 17 Paper and paper products  | 11.0           | 14.9            | 12.6            | 19.4            | 16.2            | 17.0            | 16.0            | 16.9            |
| 18 Printing and reproduction of recorded media   | 10.8           | 11.9            | 11.5            | 17.0            | 22.5            | 22.2            | 20.3            | 22.1            |
| 19-23 Chemical, rubber, plastic, non-metallic mineral products                               | 650.5          | 708.3           | 805.7           | 928.7           | 936.3           | 1 095.5         | 1 240.1         | 1 355.4         |
| 19 Coke and refined petroleum products   | 56.2           | 70.7            | 68.2            | 63.8            | 66.7            | 72.3            | 77.1            | 92.9            |
| 20-21 Chemical and pharmaceutical products   | 450.0          | 490.1           | 555.3           | 670.2           | 689.4           | 804.6           | 930.4           | 987.7           |
| 20 Chemicals and chemical products   | 337.7          | 364.8           | 414.1           | 474.9           | 477.8           | 556.2           | 616.7           | 655.3           |
| 21 Pharmaceuticals, medicinal, chemical and botanical products                               | 112.2          | 125.3           | 141.2           | 195.3           | 211.6           | 248.5           | 313.7           | 332.5           |
| 22 Rubber and plastic products   | 116.7          | 117.7           | 140.9           | 154.8           | 158.6           | 188.2           | 190.7           | 214.3           |
| 23 Other non-metallic mineral products   | 27.7           | 29.8            | 41.3            | 39.9            | 21.5            | 30.3            | 41.9            | 40.6            |
| 24-25 Basic metals, metal products, except machinery and equipment                           | 148.6          | 187.3           | 229.2           | 263.7           | 271.4           | 297.2           | 310.9           | 308.9           |
| 24 Basic metals  | 93.4           | 121.2           | 138.9           | 150.3           | 151.0           | 171.5           | 162.8           | 159.8           |
| 25 Fabricated metal products, except machinery and equipment                                 | 55.1           | 66.1            | 90.2            | 113.3           | 120.4           | 125.7           | 148.1           | 149.2           |
| 26-30 Computer, electronic, optical products; electrical machinery, transport equipment      | 7 845.3        | 8 960.4         | 10 337.8        | 11 721.6        | 12 179.6        | 13 820.1        | 15 580.0        | 16 502.1        |
| 26 Computer, electronic and optical products   | 6 872.3        | 7 752.4         | 9 018.8         | 10 289.4        | 10 798.1        | 12 221.7        | 13 875.4        | 14 817.8        |
| 27 Electrical equipment  | 268.1          | 340.5           | 402.3           | 471.1           | 501.8           | 580.6           | 585.5           | 600.5           |
| 28 Machinery and equipment n.e.c.  | 231.2          | 341.8           | 398.3           | 445.6           | 376.6           | 450.7           | 550.2           | 494.7           |
| 29 Motor vehicles, trailers and semi-trailers  | 317.9          | 332.9           | 333.9           | 290.3           | 253.4           | 298.2           | 315.4           | 325.9           |
| 30 Other transport equipment   | 155.6          | 192.8           | 184.5           | 225.2           | 249.9           | 269.0           | 253.5           | 263.3           |
| 31-33 Furniture; repair, installation of machinery and equipment                             | 101.5          | 121.2           | 122.6           | 168.6           | 138.3           | 173.0           | 159.3           | 179.6           |
| 31 Furniture   | 6.7            | 8.3             | 10.3            | 10.4            | 11.8            | 9.9             | 8.1             | 10.2            |
| 32 Other manufacturing   | 94.8           | 112.9           | 112.4           | 158.1           | 126.6           | 163.2           | 151.2           | 169.4           |
| 33 Repair and installation of machinery and equipment  | 0.0            | 0.0             | 0.0             | 0.0             | 0.0             | 0.0             | 0.0             | 0.0             |
| <b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>                                    | <b>55.3</b>    | <b>49.6</b>     | <b>50.5</b>     | <b>39.3</b>     | <b>36.6</b>     | <b>44.5</b>     | <b>42.4</b>     | <b>46.2</b>     |
| 35-36 Electricity, gas and water   | 55.3           | 48.8            | 48.4            | 38.9            | 35.6            | 43.1            | 40.9            | 45.1            |
| 37-39 Sewerage, waste management and remediation activities                                  | 0.0            | 0.8             | 2.1             | 0.4             | 1.0             | 1.3             | 1.5             | 1.1             |
| <b>41-43 CONSTRUCTION</b>  | <b>2.2</b>     | <b>5.8</b>      | <b>8.2</b>      | <b>11.4</b>     | <b>10.2</b>     | <b>9.9</b>      | <b>9.6</b>      | <b>11.5</b>     |
| <b>45-99 TOTAL SERVICES</b>  | <b>697.3</b>   | <b>833.2</b>    | <b>842.1</b>    | <b>1 000.9</b>  | <b>1 097.6</b>  | <b>1 234.0</b>  | <b>1 302.9</b>  | <b>1 539.6</b>  |
| <b>45-82 Business sector services</b>  | <b>593.3</b>   | <b>711.7</b>    | <b>702.6</b>    | <b>850.2</b>    | <b>928.9</b>    | <b>1 047.2</b>  | <b>1 131.3</b>  | <b>1 348.3</b>  |
| 45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs                       | 14.0           | 18.2            | 30.1            | 38.3            | 52.3            | 52.0            | 49.1            | 72.2            |
| 49-53 Transportation and storage   | 13.5           | 16.0            | 21.2            | 11.0            | 9.4             | 12.5            | 11.6            | 12.0            |
| 55-56 Accommodation and food service activities  | 0.0            | 0.0             | 1.3             | 3.7             | 2.5             | 0.2             | 0.7             | 0.3             |
| <b>58-63 Information and communication</b>   | <b>440.5</b>   | <b>516.8</b>    | <b>508.2</b>    | <b>617.6</b>    | <b>645.6</b>    | <b>728.1</b>    | <b>772.5</b>    | <b>750.9</b>    |
| 58-60 Publishing, audiovisual and broadcasting activities                                    | 3.4            | 6.5             | 12.9            | 14.9            | 9.8             | 10.2            | 12.8            | 17.6            |
| 58 Publishing activities   | 0.0            | 0.9             | 2.7             | 9.3             | 8.5             | 8.0             | 10.8            | 14.7            |
| 59-60 Motion picture, video and TV programme production; broadcasting activities             | 3.4            | 5.7             | 10.2            | 5.5             | 1.3             | 2.1             | 1.9             | 2.9             |
| 59 Motion picture, video and TV programme production; sound and music                        | 0.0            | 4.4             | 4.9             | 1.5             | 0.5             | 1.1             | 0.2             | 0.4             |
| 60 Programming and broadcasting activities   | 3.4            | 1.3             | 5.3             | 4.0             | 0.8             | 1.1             | 1.8             | 2.5             |
| 61 Telecommunications  | 164.8          | 162.3           | 163.4           | 186.1           | 191.7           | 233.4           | 247.0           | 249.2           |
| 62-63 IT and other information services  | 272.3          | 348.0           | 331.9           | 416.6           | 444.2           | 484.5           | 512.8           | 484.1           |
| 62 Computer programming, consultancy and related activities                                  | 272.3          | 290.9           | 268.1           | 345.2           | 376.3           | 439.1           | 451.1           | 449.0           |
| 63 Information service activities  | ..             | 57.0            | 63.8            | 71.4            | 67.9            | 45.3            | 61.7            | 35.2            |
| <b>64-66 Financial and insurance activities</b>  | <b>55.2</b>    | <b>70.3</b>     | <b>59.4</b>     | <b>73.1</b>     | <b>90.2</b>     | <b>103.6</b>    | <b>119.0</b>    | <b>143.0</b>    |
| <b>68-82 Real estate; professional, scientific and technical; administrative and support</b> | <b>70.0</b>    | <b>90.4</b>     | <b>82.4</b>     | <b>106.5</b>    | <b>129.0</b>    | <b>150.9</b>    | <b>178.3</b>    | <b>370.0</b>    |
| 68 Real estate activities  | 0.0            | 0.3             | 0.2             | 0.3             | 0.3             | 0.0             | 0.8             | 1.2             |
| 69-75x72 Professional, scientific and technical activities, except scientific R&D            | 34.1           | 46.6            | 37.6            | 48.3            | 50.7            | 74.6            | 94.3            | 282.9           |
| 72 Scientific research and development   | 32.9           | 40.3            | 39.7            | 52.3            | 72.4            | 70.0            | 77.1            | 78.7            |
| 77-82 Administrative and support service activities  | 3.0            | 3.3             | 4.9             | 5.6             | 5.6             | 6.3             | 6.1             | 7.2             |
| 84-99 Community, social and personal services  | 104.0          | 121.5           | 139.5           | 150.7           | 168.6           | 186.8           | 171.6           | 191.3           |
| 84-85 Public administration and defence; compulsory social security and education            | 0.0            | 0.0             | 0.0             | 0.0             | 0.0             | 0.2             | 0.0             | 0.1             |
| 86-88 Human health and social work activities  | 101.1          | 118.3           | 137.1           | 146.0           | 165.3           | 183.1           | 169.1           | 189.4           |
| 90-93 Arts, entertainment and recreation   | 0.0            | 0.0             | 0.2             | 0.1             | 0.0             | 0.0             | 0.0             | 0.0             |
| 94-99 Other services; household-employers; extraterritorial bodies                           | 2.9            | 3.2             | 2.2             | 4.6             | 3.3             | 3.6             | 2.5             | 1.8             |

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