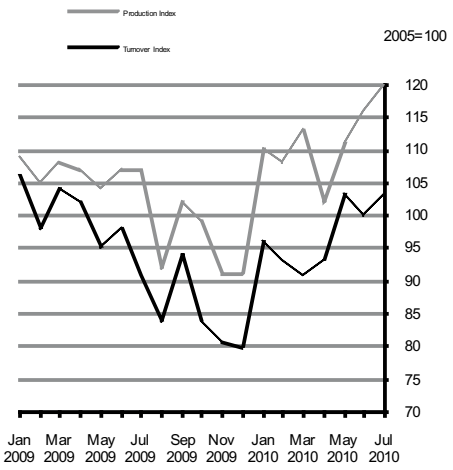
**An Phríomh-Oifig Staidrimh**
Central Statistics Office

10 September 2010

# Industrial Production & Turnover

July 2010 (*Provisional*) and June 2010 (*Final*)

**Manufacturing Industries**
*Seasonally adjusted*




**Manufacturing Industries** *(Seasonally adjusted)*
**(Base: year 2005=100)**

| | Production Index | Turnover Index |
|---|---|---|
| **July 2009** | 107.0 | 90.5 |
| **June 2010** | 116.1 | 100.1 |
| **July 2010** | 120.2 | 103.0 |
| **Monthly % change** | +3.5% | +2.9% |
| **Annual % change** | +12.4% | +13.8% |
| **Feb 2010-Apr 2010** | 107.9 | 92.3 |
| **May 2010-Jul 2010** | 116.0 | 102.0 |
| **% change** | +7.5% | +10.5% |

## Annual Production increased by 12.4% in July 2010

On an annual basis production for Manufacturing Industries for July 2010 was 12.4% higher than in July 2009 (*see above and Table 1*). The most significant changes were in the following sectors: Basic pharmaceutical products and preparations (+21.8%) and Computer, electronic and optical products (-19.5%). The seasonally adjusted volume of industrial production for Manufacturing Industries for the three month period May to July 2010 was 7.5% higher than in the preceding three month period (*see above and Table 4*).

The "Modern" Sector, comprising a number of high-technology and chemical sectors, showed an annual increase in production for July 2010 of 17.3% and an increase of 3.2% was recorded in the "Traditional" Sector (*see Table 2*).

*Note:* The production indices have been revised to take account of the introduction of the new series of updated Wholesale Price Indices. The background notes outline the changes to the Wholesale Price Indices and their role in the compilation of the Industrial Production Indices.

The complete series of industrial subindices and broad sectoral groupings have been revised. The most significant effects on the series arising from the price changes occur in the *Modern Sector* and are most evident in Quarter 1 and Quarter 3 of 2009. During this revision the opportunity has been taken to incorporate new and revised data into the compilation of the series. The Industrial Turnover Indices are unaffected by these revisions.

*For more information contact Patrick Foley at 021 453 5012, Alan Finlay at 021 453 5211 or Sean Hurley at 021 453 5242.*

Published by the Central Statistics Office, Ireland.

Ardee Road
Dublin 6
Ireland

Skehard Road
Cork
Ireland

LoCall: 1890 313 414 (ROI)
0870 8760256 (UK/NI)

Tel: +353 1 498 4000
Fax: +353 1 498 4229

Tel: +353 21 453 5000
Fax: +353 21 453 5555

Both offices may be contacted through any of these telephone numbers.

CSO on the Web: www.cso.ie
*and go to*
Business Sectors: Industry

Director General: Gerard O'Hanlon

Enquiries:

Monthly Statistics — Results, Analysis and Publications Section, ext 5211 sts_rap@cso.ie
Queries and Sales — Information Section, ext 5021 information@cso.ie

© Central Statistics Office
The contents of this release may be quoted provided the source is given clearly and accurately. Reproduction for own or internal use is permitted.

Ref 163/2010 ISSN 1649-2773

## Table 1 Volume Indices of Production[1]

Base year 2005=100

| Period | Manufacturing Industries NACE 10 - 33 | | | | Industries NACE 05 - 35 | | | |
|---|---|---|---|---|---|---|---|---|
| | Unadjusted | | Seasonally adjusted | | Unadjusted | | Seasonally adjusted | |
| | Index | Annual % change | Index | % change on preceding period | Index | Annual % change | Index | % change on preceding period |
| 2005 | 100.0 | 4.1 | | | 100.0 | 4.0 | | |
| 2006 | 103.3 | 3.3 | | | 103.0 | 3.0 | | |
| 2007 | 109.0 | 5.5 | | | 108.4 | 5.2 | | |
| 2008 | 105.8 | -2.9 | | | 105.8 | -2.4 | | |
| 2009 | 101.7 | -3.9 | | | 101.2 | -4.3 | | |
| 2007 Quarter 1 | 111.4 | 11.9 | 109.3 | 8.2 | 111.4 | 10.8 | 108.6 | 6.9 |
| 2 | 110.5 | -3.6 | 105.5 | -3.5 | 109.1 | -3.3 | 104.5 | -3.8 |
| 3 | 103.2 | 4.5 | 109.8 | 4.1 | 102.4 | 4.7 | 109.7 | 5.0 |
| 4 | 111.0 | 10.4 | 112.2 | 2.2 | 110.8 | 9.4 | 111.6 | 1.7 |
| 2008 Quarter 1 | 111.0 | -0.4 | 108.5 | -3.3 | 111.2 | -0.2 | 108.0 | -3.2 |
| 2 | 109.5 | -0.9 | 105.2 | -3.0 | 108.9 | -0.2 | 104.9 | -2.9 |
| 3 | 102.0 | -1.1 | 108.1 | 2.8 | 101.2 | -1.2 | 108.1 | 3.1 |
| 4 | 101.1 | -8.9 | 102.4 | -5.3 | 102.0 | -7.9 | 102.9 | -4.9 |
| 2009 Quarter 1 | 110.6 | -0.4 | 107.2 | 4.7 | 110.4 | -0.7 | 106.5 | 3.5 |
| 2 | 109.8 | 0.3 | 105.9 | -1.2 | 108.2 | -0.6 | 104.6 | -1.8 |
| 3 | 94.6 | -7.3 | 100.5 | -5.1 | 93.7 | -7.5 | 100.2 | -4.2 |
| 4 | 92.4 | -8.6 | 93.7 | -6.8 | 93.2 | -8.7 | 94.0 | -6.2 |
| 2010 Quarter 1 | 114.4 | 3.4 | 110.4 | 17.9 | 113.6 | 2.9 | 109.2 | 16.2 |
| 2 | 113.9 | 3.7 | 110.0 | -0.3 | 112.2 | 3.7 | 108.6 | -0.6 |
| 2009 January | 107.3 | 0.6 | 108.5 | 13.0 | 107.8 | 0.4 | 107.7 | 11.3 |
| February | 105.7 | -3.0 | 104.8 | -3.4 | 106.3 | -2.7 | 104.6 | -2.9 |
| March | 118.6 | -0.2 | 108.2 | 3.2 | 116.9 | -1.0 | 107.1 | 2.4 |
| April | 110.2 | 6.5 | 106.7 | -1.4 | 108.9 | 5.2 | 105.2 | -1.8 |
| May | 109.0 | -5.3 | 104.3 | -2.2 | 107.4 | -5.7 | 103.2 | -1.9 |
| June | 110.2 | 0.0 | 106.6 | 2.2 | 108.3 | -1.0 | 105.3 | 2.0 |
| July | 95.6 | 1.5 | 107.0 | 0.4 | 94.4 | 0.3 | 105.4 | 0.1 |
| August | 89.8 | -17.2 | 91.8 | -14.2 | 89.2 | -16.7 | 93.5 | -11.3 |
| September | 97.8 | -6.2 | 101.5 | 10.6 | 97.1 | -6.2 | 100.8 | 7.8 |
| October | 99.2 | -2.5 | 99.0 | -2.5 | 98.9 | -3.3 | 98.6 | -2.2 |
| November | 91.3 | -17.0 | 91.3 | -7.8 | 92.3 | -16.5 | 92.0 | -6.7 |
| December | 86.6 | -5.6 | 90.7 | -0.7 | 88.5 | -5.7 | 91.4 | -0.7 |
| 2010 January | 109.2 | 1.8 | 110.1 | 21.4 | 109.1 | 1.3 | 108.9 | 19.2 |
| February | 109.3 | 3.4 | 108.3 | -1.7 | 109.2 | 2.8 | 107.5 | -1.3 |
| March | 123.7 | 4.3 | 112.5 | 3.9 | 121.6 | 3.9 | 111.1 | 3.4 |
| April | 105.4 | -4.4 | 102.3 | -9.1 | 104.4 | -4.2 | 100.9 | -9.2 |
| May | 116.3 | 6.7 | 111.4 | 8.9 | 114.5 | 6.6 | 110.2 | 9.2 |
| June | 119.7 | 8.7 | 116.1 | 4.3 | 117.4 | 8.4 | 114.3 | 3.7 |
| July | 107.7 | 12.6 | 120.2 | 3.5 | 105.8 | 12.1 | 118.0 | 3.2 |

[1] All data for latest month are provisional

## Table 2 Volume Indices of Production[1] for "Modern"[2] and "Traditional" Sectors

Base year 2005=100

| Period | "Modern" Sector | | | | "Traditional" (All Other Sectors) | | | |
|---|---|---|---|---|---|---|---|---|
| | Unadjusted | | Seasonally adjusted | | Unadjusted | | Seasonally adjusted | |
| | Index | Annual % change | Index | % change on preceding period | Index | Annual % change | Index | % change on preceding period |
| 2005 | 100.0 | 5.3 | | | 100.0 | 0.5 | | |
| 2006 | 104.1 | 4.1 | | | 101.6 | 1.6 | | |
| 2007 | 111.2 | 6.8 | | | 104.7 | 3.0 | | |
| 2008 | 109.8 | -1.2 | | | 100.4 | -4.1 | | |
| 2009 | 112.7 | 2.6 | | | 86.2 | -14.1 | | |
| 2007 Quarter 1 | 116.6 | 15.1 | 111.3 | 10.1 | 104.4 | 5.1 | 105.4 | 3.2 |
| 2 | 109.5 | -7.1 | 105.1 | -5.6 | 108.4 | 2.2 | 104.7 | -0.6 |
| 3 | 102.2 | 5.2 | 111.8 | 6.4 | 102.8 | 4.2 | 105.9 | 1.1 |
| 4 | 116.6 | 16.0 | 118.4 | 5.9 | 103.2 | 0.7 | 103.0 | -2.7 |
| 2008 Quarter 1 | 117.4 | 0.7 | 111.2 | -6.1 | 103.0 | -1.4 | 104.1 | 1.0 |
| 2 | 111.5 | 1.8 | 107.8 | -3.0 | 105.5 | -2.7 | 102.0 | -2.0 |
| 3 | 105.2 | 3.0 | 114.2 | 6.0 | 96.0 | -6.6 | 98.6 | -3.4 |
| 4 | 105.6 | -9.4 | 107.8 | -5.6 | 97.3 | -5.7 | 97.2 | -1.4 |
| 2009 Quarter 1 | 126.8 | 8.0 | 118.8 | 10.2 | 88.8 | -13.8 | 89.5 | -7.9 |
| 2 | 122.3 | 9.7 | 118.8 | 0.1 | 89.7 | -14.9 | 86.9 | -3.0 |
| 3 | 102.7 | -2.4 | 112.2 | -5.6 | 81.9 | -14.7 | 84.1 | -3.2 |
| 4 | 99.7 | -5.6 | 101.9 | -9.2 | 84.6 | -13.0 | 84.6 | 0.6 |
| 2010 Quarter 1 | 134.6 | 6.1 | 125.3 | 23.0 | 85.9 | -3.2 | 86.5 | 2.3 |
| 2 | 128.1 | 4.7 | 124.8 | -0.5 | 91.3 | 1.7 | 88.4 | 2.2 |
| 2009 January | 123.0 | 8.1 | 120.1 | 17.5 | 87.7 | -11.3 | 91.8 | 0.3 |
| February | 120.1 | 6.1 | 116.1 | -3.3 | 88.1 | -15.4 | 88.5 | -3.6 |
| March | 137.1 | 8.1 | 120.0 | 3.4 | 90.5 | -15.2 | 88.2 | -0.3 |
| April | 123.7 | 20.6 | 119.4 | -0.5 | 89.6 | -14.6 | 87.2 | -1.1 |
| May | 118.5 | -0.8 | 115.2 | -3.5 | 92.8 | -12.8 | 89.5 | 2.6 |
| June | 124.6 | 10.4 | 121.8 | 5.7 | 86.9 | -17.2 | 84.0 | -6.1 |
| July | 104.9 | 14.2 | 125.0 | 2.6 | 80.5 | -17.0 | 83.0 | -1.2 |
| August | 94.7 | -19.4 | 95.6 | -23.5 | 82.0 | -12.2 | 86.1 | 3.7 |
| September | 107.6 | -0.5 | 114.0 | 19.2 | 83.2 | -14.5 | 83.4 | -3.1 |
| October | 109.0 | 3.5 | 108.3 | -5.0 | 85.6 | -12.8 | 85.4 | 2.4 |
| November | 96.4 | -16.3 | 98.1 | -9.4 | 86.8 | -16.8 | 85.0 | -0.5 |
| December | 93.7 | -3.3 | 99.3 | 1.2 | 81.6 | -9.1 | 83.4 | -1.9 |
| 2010 January | 128.2 | 4.2 | 124.6 | 25.4 | 84.1 | -4.2 | 87.9 | 5.4 |
| February | 127.6 | 6.3 | 123.3 | -1.0 | 85.0 | -3.5 | 85.3 | -3.0 |
| March | 146.7 | 7.0 | 127.9 | 3.7 | 88.5 | -2.1 | 86.3 | 1.1 |
| April | 117.1 | -5.3 | 113.2 | -11.4 | 87.7 | -2.1 | 85.4 | -1.1 |
| May | 130.0 | 9.8 | 126.8 | 11.9 | 94.1 | 1.3 | 90.7 | 6.3 |
| June | 136.6 | 9.6 | 133.8 | 5.6 | 92.1 | 6.0 | 89.1 | -1.8 |
| July | 123.1 | 17.3 | 146.2 | 9.2 | 83.1 | 3.2 | 85.7 | -3.8 |

[1] All data for latest month are provisional

[2] The "Modern" Sector includes the following industrial sectors :

| | | |
|---|---|---|
| NACE | 20 | Chemicals and chemical products |
| | 21 | Basic pharmaceutical products and preparations |
| | 26 | Computers, electronic and optical products |
| | 27 | Electrical equipment |
| | 1820 | Reproduction of recorded media |
| | 3250 | Medical and dental instruments and supplies |

## Table 3 Employment Information on the "Modern" Sector

| Industrial Sector | NACE Rev. 2 | Weighting base | Employment | | | |
|---|---|---|---|---|---|---|
| | | | Quarterly totals | | | |
| | | Year 2005 Gross value added € Million | 2009 Q1 ('000) | 2009 Q2 ('000) | 2009 Q3[3] ('000) | 2009 Q4[3] ('000) |
| **Modern Sector** | | **17,492.2** | **78.5** | **75.6** | **72.0** | **70.3** |
| Chemicals and chemical products; Basic pharmaceutical products & preparations; Reproduction of recorded media[1]; Medical and dental instruments and supplies[1] | 20, 21, 1820, 3250 | 13,139.8 | 48.2 | 47.3 | 46.2 | 45.5 |
| Computers, electronic and optical products; Electrical equipment | 26, 27 | 4,352.2 | 30.3 | 28.3 | 25.8 | 24.8 |
| **All Other Sectors** | | **13,301.9** | **134.8** | **136.1** | **134.2** | **131.6** |
| **Industries (B - E) NACE 5 - 39** | | **30,794.1[2]** | **213.3** | **211.7** | **206.2** | **201.9** |

[1] Employment data estimated based on Nace 18 and 32 (Source: Earnings, Hours and Employment Costs Survey data, CSO)

[2] Gross Value Added is for Industries (B -D) NACE 5 - 35 (Source: Census of Industrial Production 2005, CSO)

[3] Preliminary

## Table 4 Volume Indices of Production for Industrial Sectors - Final Results

Base year 2005=100

**June 2010**

| Industrial Sector | NACE | Weighting base | Index - Unadjusted | | | | Index - Seasonally adjusted | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | June 2010 | | Apr 2010 - Jun 2010 | | June 2010 | | Apr 2010 - Jun 2010 | |
| | | Year 2005 Gross value added EUR million | Index | Annual % change | Index | Annual % change | Index | % change on preceding month | Index | % change on preceding 3 months |
| **Food products and beverages** | **10-11** | **5,258.6** | **112.9** | **9.1** | **110.2** | **1.1** | **104.6** | **3.6** | **100.6** | **3.4** |
| **Food products** | **10** | **4,475.2** | **113.1** | **11.7** | **109.8** | **1.7** | **102.9** | **5.4** | **98.3** | **2.9** |
| Meat and meat products | 101 | 618.3 | 78.2 | -3.8 | 78.4 | -3.0 | 79.1 | -2.9 | 79.9 | -4.5 |
| Dairy products | 105 | 515.7 | 164.3 | 8.4 | 157.6 | 7.4 | 120.3 | 3.4 | 117.5 | 1.5 |
| Bakery and farinaceous products | 107 | 234.9 | 77.8 | 0.9 | 77.5 | -1.5 | 77.6 | 0.5 | 76.8 | 0.9 |
| Grain mill and starch products; prepared animal feeds | 106,109 | 192.7 | 89.7 | 6.3 | 101.3 | 5.0 | 107.4 | -3.1 | 111.0 | 4.7 |
| Other foods | 102-104,108 | 2,913.6 | 115.8 | 16.3 | 111.2 | 1.1 | 105.7 | 9.4 | 98.7 | 2.0 |
| **Beverages** | **11** | **783.4** | **111.7** | **-4.2** | **112.5** | **-2.3** | **112.2** | **-6.2** | **113.0** | **3.9** |
| **Textiles and wearing apparel** | **13-14** | **202.7** | **49.4** | **2.5** | **45.1** | **-10.9** | **47.9** | **13.4** | **43.4** | **-5.9** |
| **Textiles** | **13** | **98.3** | **74.6** | **20.7** | **65.9** | **-0.8** | **73.1** | **11.5** | **64.5** | **-1.2** |
| **Wearing apparel** | **14** | **104.4** | **25.8** | **-27.4** | **25.5** | **-28.6** | **24.2** | **0.4** | **24.4** | **-13.2** |
| **Leather and related products** | **15** | **7.3** | **108.5** | **-22.3** | **100.8** | **-18.2** | **111.2** | **25.6** | **103.1** | **-2.7** |
| **Wood and wood products, except furniture** | **16** | **350.3** | **52.7** | **0.7** | **54.9** | **10.5** | **48.1** | **-11.0** | **51.2** | **12.3** |
| **Paper and paper products; printing and reproduction of recorded media** | **17-18** | **665.0** | **76.4** | **-7.1** | **79.0** | **-5.7** | **76.7** | **3.4** | **78.0** | **-0.1** |
| **Paper and paper products** | **17** | **213.7** | **69.1** | **-4.5** | **67.2** | **-6.4** | **66.7** | **6.8** | **65.8** | **-8.7** |
| **Printing and reproduction of recorded media** | **18** | **451.3** | **79.9** | **-8.1** | **84.5** | **-5.6** | **81.2** | **2.1** | **83.9** | **3.8** |

## Table 4 Volume Indices of Production for Industrial Sectors - Final Results (continued)

Base year 2005=100

**June 2010**

| Industrial Sector | NACE | Weighting base | Index - Unadjusted | | | | Index - Seasonally adjusted | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | June 2010 | | Apr 2010 - Jun 2010 | | June 2010 | | Apr 2010 - Jun 2010 | |
| | | Year 2005 Gross value added EUR million | Index | Annual % change | Index | Annual % change | Index | % change on preceding month | Index | % change on preceding 3 months |
| **Chemicals and pharmaceuticals** | **20-21** | **10,897.7** | **161.5** | **17.7** | **152.4** | **13.5** | **163.3** | **10.2** | **148.4** | **0.0** |
| **Chemicals and chemical products** | **20** | **816.8** | **122.5** | **5.4** | **123.0** | **8.7** | **120.6** | **5.8** | **115.8** | **-4.8** |
| **Basic pharmaceutical products and preparations** | **21** | **10,080.9** | **164.7** | **18.5** | **154.7** | **13.8** | **167.2** | **10.4** | **151.3** | **0.7** |
| **Rubber and plastic products** | **22** | **531.5** | **77.9** | **5.1** | **79.1** | **7.3** | **74.0** | **-5.1** | **75.7** | **0.3** |
| **Other non-metallic mineral products** | **23** | **863.9** | **49.8** | **-13.1** | **48.6** | **-10.8** | **45.4** | **-2.0** | **45.9** | **6.0** |
| **Basic metals and fabricated metal products** | **24-25** | **701.6** | **68.3** | **14.6** | **69.2** | **13.6** | **68.0** | **-11.7** | **71.1** | **2.2** |
| **Basic metals** | **24** | **137.2** | **89.7** | **41.6** | **87.7** | **36.8** | **92.1** | **-9.6** | **90.0** | **2.0** |
| **Fabricated metal products, except machinery and equipment** | **25** | **564.4** | **63.1** | **7.5** | **64.7** | **7.7** | **62.0** | **-13.4** | **66.4** | **1.2** |
| **Computer, electronic, optical and electrical equipment** | **26-27** | **4,352.2** | **73.2** | **-24.9** | **62.9** | **-32.9** | **65.1** | **4.9** | **61.5** | **1.7** |
| **Computer, electronic and optical products** | **26** | **4,017.5** | **74.8** | **-25.9** | **63.5** | **-34.2** | **66.3** | **6.5** | **62.1** | **1.5** |
| Electronic components and boards | 261 | 2,003.8 | 77.0 | -26.4 | 73.4 | -29.8 | 69.9 | -0.2 | 69.4 | -5.8 |
| Computers and peripheral equipment | 262 | 1,637.9 | 65.0 | -34.0 | 43.4 | -51.4 | 55.1 | 30.0 | 43.9 | 16.1 |
| Other electronic and optical products | 263-268 | 375.8 | 105.5 | 15.3 | 98.9 | 16.1 | 99.6 | -3.2 | 100.1 | 4.6 |
| **Electrical equipment** | **27** | **334.7** | **54.8** | **-2.9** | **55.5** | **-6.1** | **55.5** | **-6.0** | **56.0** | **2.2** |

## Table 4 Volume Indices of Production for Industrial Sectors - Final Results (continued)

Base year 2005=100

**June 2010**

| Industrial Sector | NACE | Weighting base | Index - Unadjusted | | | | Index - Seasonally adjusted | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | June 2010 | | Apr 2010 - Jun 2010 | | June 2010 | | Apr 2010 - Jun 2010 | |
| | | Year 2005 Gross value added EUR million | Index | Annual % change | Index | Annual % change | Index | % change on preceding month | Index | % change on preceding 3 months |
| **Machinery and equipment, not elsewhere classified** | **28** | **910.0** | **84.3** | **6.6** | **85.9** | **6.2** | **84.4** | **-7.7** | **85.8** | **-5.5** |
| **Transport equipment** | **29-30** | **406.1** | **79.7** | **17.9** | **80.0** | **11.1** | **81.0** | **-4.2** | **79.6** | **14.0** |
| **Tobacco; coke and refined petroleum products; furniture** | **12,19,31** | **402.6** | **57.4** | **-9.7** | **58.5** | **-10.7** | **55.1** | **-0.5** | **56.9** | **-6.4** |
| **Other manufacturing** | **32** | **2,171.5** | **139.1** | **20.8** | **136.2** | **15.2** | **139.8** | **4.3** | **135.0** | **8.9** |
| **Repair and installation of machinery and equipment** | **33** | **69.3** | **121.2** | **-1.2** | **111.3** | **-2.2** | **123.2** | **8.8** | **114.7** | **9.2** |
| **Electricity, gas, steam and air conditioning supply** | **35** | **2,379.1** | **90.0** | **2.6** | **93.4** | **-0.7** | **100.8** | **0.7** | **101.1** | **-3.6** |
| **Manufacturing industries** | **10-33** | **27,790.5** | **119.7** | **8.7** | **113.9** | **3.7** | **116.1** | **4.3** | **110.0** | **-0.4** |
| **Mining and quarrying** | **05-09** | **624.5** | **118.0** | **12.7** | **106.6** | **16.9** | **93.5** | **-26.3** | **99.1** | **45.5** |
| **Transportable goods industries** | **05-33** | **28,415.0** | **119.7** | **8.7** | **113.7** | **3.9** | **115.5** | **4.0** | **109.2** | **-0.3** |
| **Industries** | **05-35** | **30,794.1** | **117.4** | **8.4** | **112.2** | **3.7** | **114.3** | **3.7** | **108.6** | **-0.5** |
| *of which:* Energy producing industries | | 2,526.5 | 90.5 | 2.2 | 93.9 | -0.9 | 101.1 | 0.8 | 101.4 | -2.6 |
| Capital goods | | 5,550.9 | 99.9 | 1.2 | 92.3 | -5.3 | 94.7 | -1.9 | 93.0 | 7.5 |
| Intermediate products | | 5,933.9 | 76.7 | -7.2 | 74.3 | -9.1 | 70.7 | -1.5 | 70.4 | 1.4 |
| Consumer goods | | 16,782.8 | 141.6 | 14.6 | 134.9 | 9.5 | 137.8 | 6.5 | 128.1 | -1.5 |
| *of which:* Durable consumer goods | | 515.0 | 67.5 | 9.0 | 64.6 | 2.5 | 66.7 | 6.0 | 63.8 | 5.1 |
| Non-durable consumer goods | | 16,267.8 | 144.0 | 14.7 | 137.1 | 9.6 | 140.1 | 6.8 | 130.1 | -1.4 |

## Table 4 Volume Indices of Production for Industrial Sectors - Provisional Results(continued)

Base year 2005=100

**July 2010**

| Industrial Sector | NACE | Weighting base | Index - Unadjusted | | | | Index - Seasonally adjusted | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | July 2010 | | May 2010 - Jul 2010 | | July 2010 | | May 2010 - Jul 2010 | |
| | | Year 2005 Gross value added EUR million | Index | Annual % change | Index | Annual % change | Index | % change on preceding month | Index | % change on preceding 3 months |
| **Food products and beverages** | **10-11** | **5,258.6** | **99.5** | **4.9** | **108.5** | **3.7** | **98.7** | **-5.6** | **101.4** | **5.8** |
| **Food products** | **10** | **4,475.2** | **97.7** | **5.3** | **107.5** | **4.5** | **95.5** | **-7.2** | **98.6** | **5.6** |
| Meat and meat products | 101 | 618.3 | 75.3 | -2.0 | 77.8 | -2.4 | 78.0 | -1.4 | 79.5 | -5.2 |
| Dairy products | 105 | 515.7 | 139.9 | 2.5 | 155.4 | 5.8 | 110.9 | -7.8 | 115.8 | -0.6 |
| Bakery and farinaceous products | 107 | 234.9 | 79.0 | 4.5 | 78.2 | 1.7 | 81.2 | 4.7 | 78.7 | 3.6 |
| Grain mill and starch products; prepared animal feeds | 106,109 | 192.7 | 88.8 | -3.8 | 91.8 | -1.4 | 101.2 | -5.8 | 106.3 | -2.5 |
| Other foods | 102-104,108 | 2,913.6 | 97.1 | 8.0 | 108.7 | 5.7 | 94.8 | -10.3 | 99.0 | 6.7 |
| **Beverages** | **11** | **783.4** | **109.7** | **3.2** | **114.3** | **-0.1** | **114.3** | **1.9** | **115.3** | **4.0** |
| **Textiles and wearing apparel** | **13-14** | **202.7** | **42.4** | **-4.2** | **45.7** | **-6.5** | **42.8** | **-10.7** | **44.3** | **-0.9** |
| **Textiles** | **13** | **98.3** | **55.2** | **-7.8** | **65.7** | **0.3** | **54.5** | **-25.4** | **64.2** | **2.9** |
| **Wearing apparel** | **14** | **104.4** | **30.4** | **2.7** | **26.8** | **-19.8** | **31.9** | **31.8** | **26.8** | **-3.9** |
| **Leather and related products** | **15** | **7.3** | **111.4** | **-5.3** | **100.9** | **-18.1** | **124.6** | **12.0** | **108.7** | **-3.0** |
| **Wood and wood products, except furniture** | **16** | **350.3** | **46.5** | **-2.6** | **52.5** | **5.0** | **48.4** | **0.6** | **50.1** | **3.3** |
| **Paper and paper products; printing and reproduction of recorded media** | **17-18** | **665.0** | **73.5** | **-0.6** | **75.7** | **-6.9** | **78.0** | **1.7** | **76.3** | **-4.3** |
| **Paper and paper products** | **17** | **213.7** | **65.8** | **-1.5** | **66.5** | **-5.9** | **66.1** | **-0.9** | **65.1** | **-5.9** |
| **Printing and reproduction of recorded media** | **18** | **451.3** | **77.1** | **-0.2** | **80.0** | **-7.3** | **83.6** | **2.9** | **81.5** | **-3.9** |

## Table 4 Volume Indices of Production for Industrial Sectors - Provisional Results (continued)

Base year 2005=100

**July 2010**

| Industrial Sector | NACE | Weighting base | Index - Unadjusted | | | | Index - Seasonally adjusted | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | July 2010 | | May 2010 - Jul 2010 | | July 2010 | | May 2010 - Jul 2010 | |
| | | Year 2005 Gross value added EUR million | Index | Annual % change | Index | Annual % change | Index | % change on preceding month | Index | % change on preceding 3 months |
| **Chemicals and pharmaceuticals** | **20-21** | **10,897.7** | **147.9** | **22.7** | **155.5** | **20.7** | **183.5** | **12.4** | **165.5** | **14.8** |
| **Chemicals and chemical products** | **20** | **816.8** | **114.2** | **23.2** | **119.2** | **13.4** | **111.8** | **-7.3** | **115.5** | **-1.2** |
| **Basic pharmaceutical products and preparations** | **21** | **10,080.9** | **150.6** | **22.7** | **158.4** | **21.2** | **192.3** | **15.1** | **170.9** | **17.0** |
| **Rubber and plastic products** | **22** | **531.5** | **73.7** | **3.2** | **77.5** | **5.6** | **76.3** | **3.0** | **76.1** | **1.1** |
| **Other non-metallic mineral products** | **23** | **863.9** | **42.0** | **-19.6** | **47.0** | **-14.7** | **41.6** | **-8.4** | **44.3** | **-2.2** |
| **Basic metals and fabricated metal products** | **24-25** | **701.6** | **63.0** | **5.7** | **68.3** | **13.6** | **64.8** | **-4.7** | **69.7** | **-0.9** |
| **Basic metals** | **24** | **137.2** | **73.8** | **35.0** | **86.3** | **36.6** | **74.7** | **-18.9** | **89.1** | **5.2** |
| **Fabricated metal products, except machinery and equipment** | **25** | **564.4** | **60.4** | **-0.8** | **63.9** | **7.8** | **61.6** | **-0.6** | **64.9** | **-2.4** |
| **Computer, electronic, optical and electrical equipment** | **26-27** | **4,352.2** | **55.1** | **-18.7** | **62.3** | **-26.1** | **63.3** | **-2.7** | **63.5** | **5.0** |
| **Computer, electronic and optical products** | **26** | **4,017.5** | **55.3** | **-19.6** | **62.9** | **-27.3** | **64.3** | **-3.0** | **64.3** | **5.2** |
| Electronic components and boards | 261 | 2,003.8 | 65.4 | -26.8 | 71.3 | -28.6 | 69.7 | -0.3 | 69.9 | -4.8 |
| Computers and peripheral equipment | 262 | 1,637.9 | 32.2 | -18.6 | 43.5 | -37.9 | 40.9 | -25.8 | 46.1 | 23.6 |
| Other electronic and optical products | 263-268 | 375.8 | 102.3 | 18.4 | 102.9 | 18.1 | 101.4 | 1.8 | 101.3 | 3.4 |
| **Electrical equipment** | **27** | **334.7** | **52.9** | **-5.1** | **55.2** | **-5.0** | **55.5** | **0.1** | **56.6** | **4.4** |

## Table 4 Volume Indices of Production for Industrial Sectors - Provisional Results (continued)

Base year 2005=100

**July 2010**

| Industrial Sector | NACE | Weighting base | Index - Unadjusted | | | | Index - Seasonally adjusted | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | July 2010 | | May 2010 - Jul 2010 | | July 2010 | | May 2010 - Jul 2010 | |
| | | Year 2005 Gross value added EUR million | Index | Annual % change | Index | Annual % change | Index | % change on preceding month | Index | % change on preceding 3 months |
| **Machinery and equipment, not elsewhere classified** | **28** | **910.0** | **76.9** | **1.8** | **83.6** | **8.0** | **80.5** | **-4.6** | **85.2** | **-2.5** |
| **Transport equipment** | **29-30** | **406.1** | **70.6** | **-6.1** | **77.7** | **7.8** | **74.4** | **-8.1** | **79.8** | **11.6** |
| **Tobacco; coke and refined petroleum products; furniture** | **12,19,31** | **402.6** | **59.0** | **2.2** | **58.3** | **-7.8** | **62.0** | **12.5** | **57.6** | **-6.2** |
| **Other manufacturing** | **32** | **2,171.5** | **136.1** | **33.2** | **136.7** | **22.7** | **144.9** | **3.7** | **139.7** | **10.9** |
| **Repair and installation of machinery and equipment** | **33** | **69.3** | **100.8** | **2.5** | **109.1** | **0.6** | **114.8** | **-6.8** | **117.1** | **12.9** |
| **Electricity, gas, steam and air conditioning supply** | **35** | **2,379.1** | **90.9** | **10.6** | **90.7** | **2.8** | **107.2** | **6.4** | **102.7** | **-1.8** |
| **Manufacturing industries** | **10-33** | **27,790.5** | **107.7** | **12.6** | **114.4** | **9.4** | **120.2** | **3.5** | **116.0** | **7.5** |
| **Mining and quarrying** | **05-09** | **624.5** | **77.7** | **-7.0** | **106.0** | **17.3** | **74.0** | **-20.8** | **97.3** | **39.0** |
| **Transportable goods industries** | **05-33** | **28,415.0** | **107.1** | **12.2** | **114.3** | **9.6** | **120.2** | **4.0** | **115.7** | **8.4** |
| **Industries** | **05-35** | **30,794.1** | **105.8** | **12.1** | **112.4** | **9.1** | **118.0** | **3.2** | **114.3** | **7.1** |
| *of which:* Energy producing industries | | 2,526.5 | 91.4 | 10.1 | 91.3 | 2.9 | 107.3 | 6.1 | 103.0 | -1.1 |
| Capital goods | | 5,550.9 | 86.2 | 14.7 | 91.9 | 4.1 | 94.6 | -0.1 | 95.3 | 9.7 |
| Intermediate products | | 5,933.9 | 64.5 | -11.9 | 72.1 | -9.0 | 66.2 | -6.4 | 69.5 | -0.6 |
| Consumer goods | | 16,782.8 | 129.1 | 17.4 | 136.7 | 15.4 | 140.8 | 2.2 | 136.2 | 8.4 |
| *of which:* Durable consumer goods | | 515.0 | 67.3 | 9.4 | 66.8 | 6.2 | 69.7 | 4.5 | 66.6 | 8.3 |
| Non-durable consumer goods | | 16,267.8 | 131.0 | 17.6 | 138.9 | 15.6 | 143.1 | 2.1 | 138.3 | 8.4 |

## Table 5 Volume Indices of Production for Selected Sectors - Unadjusted[1]

Base year 2005=100

| Period | Industrial Sector and NACE Code | | | | | | |
|---|---|---|---|---|---|---|---|
| | Total for Manufacturing Industries | Food products | Beverages | Chemicals and chemical products | Basic pharmaceutical products and preparations | Computer, electronic and optical products | Other manufacturing |
| | 10-33 | 10 | 11 | 20 | 21 | 26 | 32 |
| 2009 January | 107.3 | 90.2 | 95.2 | 91.1 | 140.3 | 99.4 | 107.5 |
| February | 105.7 | 92.1 | 89.5 | 92.6 | 134.2 | 90.4 | 125.7 |
| March | 118.6 | 100.6 | 105.0 | 116.5 | 151.3 | 121.6 | 116.4 |
| April | 110.2 | 106.8 | 107.1 | 115.5 | 137.6 | 96.7 | 121.6 |
| May | 109.0 | 116.3 | 121.5 | 107.8 | 131.4 | 91.8 | 118.1 |
| June | 110.2 | 101.2 | 116.6 | 116.2 | 139.0 | 100.9 | 115.1 |
| July | 95.6 | 92.8 | 106.4 | 92.7 | 122.7 | 68.7 | 102.1 |
| August | 89.8 | 95.9 | 120.6 | 84.7 | 108.7 | 61.3 | 101.0 |
| September | 97.8 | 86.0 | 101.3 | 101.2 | 126.6 | 62.7 | 113.9 |
| October | 99.2 | 87.9 | 111.3 | 105.6 | 131.3 | 55.6 | 116.9 |
| November | 91.3 | 88.0 | 119.7 | 121.4 | 103.9 | 70.7 | 109.1 |
| December | 86.6 | 82.6 | 94.7 | 119.7 | 99.0 | 76.3 | 96.9 |
| 2010 January | 109.2 | 91.2 | 89.0 | 118.2 | 161.2 | 55.5 | 126.1 |
| February | 109.3 | 86.3 | 94.8 | 120.1 | 159.1 | 53.8 | 133.2 |
| March | 123.7 | 96.0 | 114.7 | 122.5 | 183.8 | 71.2 | 137.1 |
| April | 105.4 | 103.6 | 103.6 | 125.2 | 138.6 | 56.4 | 134.5 |
| May | 116.3 | 112.5 | 122.2 | 121.4 | 160.5 | 58.9 | 135.0 |
| June | 119.7 | 113.1 | 111.7 | 122.5 | 164.7 | 74.8 | 139.1 |
| July | 107.7 | 97.7 | 109.7 | 114.2 | 150.6 | 55.3 | 136.1 |
| Jul 10 / Jul 09 | 12.6% | 5.3% | 3.2% | 23.2% | 22.7% | -19.6% | 33.2% |

[1] All data for latest month are provisional

## Table 6 Industrial Turnover Indices[1]

Base year 2005=100

| Period | Manufacturing Industries NACE 10 - 33 | | | | Transportable Goods Industries NACE 05 - 33 | | | |
|---|---|---|---|---|---|---|---|---|
| | Unadjusted | | Seasonally adjusted | | Unadjusted | | Seasonally adjusted | |
| | Index | Annual % change | Index | % change on preceding period | Index | Annual % change | Index | % change on preceding period |
| 2005 | 100.0 | 4.6 | | | 100.0 | 4.8 | | |
| 2006 | 101.6 | 1.6 | | | 102.0 | 2.0 | | |
| 2007 | 106.9 | 5.3 | | | 107.3 | 5.3 | | |
| 2008 | 105.9 | -1.0 | | | 105.8 | -1.4 | | |
| 2009 | 93.0 | -12.2 | | | 92.8 | -12.3 | | |
| 2007 Quarter 1 | 108.1 | 6.8 | 107.7 | 6.6 | 108.7 | 7.1 | 108.1 | 6.2 |
| 2 | 110.3 | 7.0 | 106.9 | -0.7 | 110.9 | 7.3 | 107.5 | -0.5 |
| 3 | 100.7 | 0.9 | 106.5 | -0.4 | 101.1 | 1.0 | 106.8 | -0.7 |
| 4 | 108.8 | 6.4 | 107.9 | 1.4 | 109.0 | 5.8 | 108.1 | 1.3 |
| 2008 Quarter 1 | 109.8 | 1.5 | 108.9 | 0.9 | 109.9 | 1.1 | 108.9 | 0.7 |
| 2 | 107.1 | -2.9 | 103.9 | -4.5 | 107.2 | -3.3 | 104.0 | -4.4 |
| 3 | 100.8 | 0.1 | 106.8 | 2.7 | 100.6 | -0.5 | 106.5 | 2.4 |
| 4 | 106.1 | -2.5 | 105.4 | -1.2 | 105.8 | -2.9 | 105.2 | -1.2 |
| 2009 Quarter 1 | 104.9 | -4.4 | 102.9 | -2.4 | 104.3 | -5.0 | 102.3 | -2.7 |
| 2 | 101.3 | -5.4 | 98.2 | -4.6 | 101.1 | -5.7 | 98.0 | -4.2 |
| 3 | 84.4 | -16.3 | 89.5 | -8.9 | 84.2 | -16.3 | 89.2 | -8.9 |
| 4 | 82.1 | -22.6 | 81.6 | -8.7 | 82.2 | -22.4 | 81.8 | -8.4 |
| 2010 Quarter 1 | 95.2 | -9.2 | 93.1 | 14.1 | 95.0 | -9.0 | 92.8 | 13.5 |
| 2 | 101.9 | 0.5 | 98.8 | 6.1 | 101.6 | 0.5 | 98.6 | 6.2 |
| 2009 January | 101.6 | 0.7 | 106.3 | 6.8 | 100.9 | -0.1 | 105.7 | 6.6 |
| February | 96.8 | -11.6 | 97.9 | -7.9 | 96.3 | -12.2 | 97.1 | -8.1 |
| March | 116.0 | -4.2 | 104.3 | 6.5 | 115.4 | -4.5 | 103.9 | 7.0 |
| April | 105.9 | 3.4 | 102.4 | -1.8 | 105.5 | 2.8 | 102.2 | -1.6 |
| May | 94.1 | -13.9 | 94.6 | -7.6 | 94.1 | -14.0 | 94.4 | -7.6 |
| June | 103.8 | -5.7 | 97.5 | 3.1 | 103.5 | -5.8 | 97.4 | 3.2 |
| July | 82.4 | -14.1 | 90.5 | -7.2 | 82.3 | -14.0 | 90.4 | -7.2 |
| August | 78.1 | -23.6 | 83.8 | -7.4 | 78.0 | -23.6 | 83.4 | -7.7 |
| September | 92.1 | -11.9 | 93.5 | 11.6 | 92.0 | -12.0 | 93.3 | 11.9 |
| October | 84.8 | -22.5 | 83.7 | -10.5 | 84.9 | -22.2 | 83.8 | -10.2 |
| November | 81.2 | -25.3 | 81.1 | -3.1 | 81.3 | -25.1 | 81.4 | -2.9 |
| December | 80.3 | -19.8 | 80.1 | -1.2 | 80.3 | -19.5 | 80.1 | -1.6 |
| 2010 January | 91.9 | -9.6 | 95.8 | 19.6 | 91.5 | -9.3 | 95.6 | 19.4 |
| February | 92.2 | -4.7 | 93.2 | -2.8 | 92.1 | -4.4 | 92.8 | -3.0 |
| March | 101.0 | -12.9 | 90.6 | -2.8 | 100.7 | -12.8 | 90.3 | -2.7 |
| April | 96.6 | -8.8 | 93.2 | 3.0 | 96.5 | -8.6 | 93.3 | 3.3 |
| May | 102.4 | 8.8 | 103.1 | 10.5 | 102.2 | 8.6 | 102.6 | 9.9 |
| June | 106.4 | 2.4 | 100.1 | -2.9 | 105.9 | 2.3 | 99.8 | -2.7 |
| July | 93.8 | 13.9 | 103.0 | 2.9 | 93.7 | 13.7 | 102.9 | 3.1 |

[1] All data for latest month are provisional

## Table 7 Turnover Indices for Industrial Sectors - Final Results

Base year 2005=100

**June 2010**

| Industrial Sector | NACE | Weighting base | Index - Unadjusted | | | | Index - Seasonally adjusted | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | June 2010 | | Apr 2010 - Jun 2010 | | June 2010 | | Apr 2010 - Jun 2010 | |
| | | Year 2005 Turnover EUR million | Index | Annual % change | Index | Annual % change | Index | % change on preceding month | Index | % change on preceding 3 months |
| **Food products and beverages** | **10-11** | **18,507.1** | **114.1** | **7.1** | **115.0** | **6.5** | **107.8** | **-9.0** | **108.1** | **2.5** |
| **Food products** | **10** | **16,057.4** | **116.7** | **9.4** | **118.0** | **8.5** | **109.8** | **-10.4** | **110.3** | **4.5** |
| Meat and meat products | 101 | 3,581.3 | 99.7 | 2.9 | 98.6 | -1.4 | 100.0 | -0.2 | 98.1 | -2.0 |
| Dairy products | 105 | 2,663.0 | 123.9 | 20.8 | 115.9 | 17.2 | 113.0 | 5.1 | 107.0 | 5.2 |
| Bakery and farinaceous products | 107 | 600.8 | 100.6 | 17.9 | 100.4 | 13.8 | 105.4 | 5.6 | 100.9 | 4.7 |
| Grain mill and starch products; prepared animal feeds | 106,109 | 902.7 | 97.9 | -1.2 | 108.2 | -2.8 | 118.0 | -0.1 | 117.7 | 8.6 |
| Other foods | 102-104,108 | 8,309.4 | 125.0 | 9.0 | 129.4 | 10.5 | 111.3 | -19.1 | 115.4 | 5.0 |
| **Beverages** | **11** | **2,449.7** | **96.6** | **-8.2** | **94.8** | **-7.6** | **94.2** | **2.8** | **94.1** | **-10.2** |
| **Textiles and wearing apparel** | **13-14** | **483.2** | **58.1** | **6.6** | **55.2** | **-0.4** | **58.3** | **11.0** | **54.7** | **-6.3** |
| **Textiles** | **13** | **244.4** | **84.7** | **22.1** | **77.8** | **8.2** | **85.5** | **11.6** | **77.6** | **-5.8** |
| **Wearing apparel** | **14** | **238.9** | **30.9** | **-21.4** | **32.1** | **-16.6** | **33.5** | **14.1** | **32.8** | **-3.0** |
| **Leather and related products** | **15** | **27.2** | **90.9** | **-4.4** | **84.2** | **-5.9** | **97.0** | **23.2** | **90.3** | **0.9** |
| **Wood and wood products, except furniture** | **16** | **1,073.6** | **63.6** | **4.8** | **66.7** | **15.4** | **57.6** | **-19.7** | **62.1** | **16.9** |
| **Paper and paper products; printing and reproduction of recorded media** | **17-18** | **1,968.5** | **76.5** | **-6.3** | **79.2** | **-3.6** | **75.6** | **1.9** | **76.9** | **-1.7** |
| **Paper and paper products** | **17** | **558.1** | **63.5** | **-15.8** | **68.1** | **-8.1** | **62.2** | **-7.7** | **67.6** | **-7.1** |
| **Printing and reproduction of recorded media** | **18** | **1,410.4** | **81.6** | **-2.9** | **83.6** | **-2.2** | **80.8** | **5.2** | **80.6** | **0.2** |

## Table 7 Turnover Indices for Industrial Sectors - Final Results (continued)

Base year 2005=100

**June 2010**

| Industrial Sector | NACE | Weighting base | Index - Unadjusted | | | | Index - Seasonally adjusted | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | June 2010 | | Apr 2010 - Jun 2010 | | June 2010 | | Apr 2010 - Jun 2010 | |
| | | Year 2005 Turnover EUR million | Index | Annual % change | Index | Annual % change | Index | % change on preceding month | Index | % change on preceding 3 months |
| **Chemicals and pharmaceuticals** | **20-21** | **28,397.2** | **146.2** | **3.7** | **144.2** | **6.6** | **142.8** | **4.6** | **137.8** | **8.4** |
| **Chemicals and chemical products** | **20** | **2,139.4** | **134.1** | **13.7** | **138.5** | **10.7** | **130.7** | **5.0** | **129.6** | **-1.4** |
| **Basic pharmaceutical products and preparations** | **21** | **26,257.8** | **147.2** | **3.1** | **144.7** | **6.3** | **143.6** | **3.9** | **138.7** | **9.5** |
| **Rubber and plastic products** | **22** | **1,485.6** | **84.8** | **1.9** | **85.6** | **7.0** | **78.0** | **-10.7** | **80.7** | **3.1** |
| **Other non-metallic mineral products** | **23** | **2,173.4** | **59.4** | **-9.7** | **57.3** | **-8.3** | **52.9** | **-5.2** | **53.2** | **1.9** |
| **Basic metals and fabricated metal products** | **24-25** | **2,029.8** | **75.6** | **20.9** | **75.0** | **18.9** | **75.3** | **-7.6** | **76.4** | **-2.3** |
| **Basic metals** | **24** | **491.1** | **121.4** | **78.0** | **119.4** | **74.6** | **123.0** | **-8.8** | **121.3** | **2.2** |
| **Fabricated metal products, except machinery and equipment** | **25** | **1,538.7** | **60.9** | **0.4** | **60.9** | **-1.0** | **60.0** | **-6.6** | **61.7** | **-4.6** |
| **Computer, electronic, optical and electrical equipment** | **26-27** | **23,574.0** | **60.1** | **-17.5** | **45.8** | **-33.6** | **52.7** | **8.4** | **46.3** | **16.0** |
| **Computer, electronic and optical products** | **26** | **22,576.3** | **59.7** | **-18.3** | **44.7** | **-35.4** | **52.1** | **9.9** | **45.3** | **16.8** |
| Electronic components and boards | 261 | 4,312.1 | 82.6 | -5.5 | 76.5 | -8.9 | 75.6 | -2.2 | 74.9 | -0.7 |
| Computers and peripheral equipment | 262 | 17,068.1 | 51.0 | -26.2 | 33.3 | -48.5 | 43.1 | 28.0 | 33.6 | 26.3 |
| Other electronic and optical products | 263-268 | 1,196.0 | 101.4 | 29.2 | 92.5 | 16.1 | 100.5 | -1.4 | 97.3 | 17.1 |
| **Electrical equipment** | **27** | **997.7** | **68.4** | **2.1** | **69.5** | **8.3** | **66.8** | **-12.2** | **69.7** | **7.9** |

## Table 7 Turnover Indices for Industrial Sectors - Final Results (continued)

Base year 2005=100

**June 2010**

| Industrial Sector | NACE | Weighting base | Index - Unadjusted | | | | Index - Seasonally adjusted | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | June 2010 | | Apr 2010 - Jun 2010 | | June 2010 | | Apr 2010 - Jun 2010 | |
| | | Year 2005 Turnover EUR million | Index | Annual % change | Index | Annual % change | Index | % change on preceding month | Index | % change on preceding 3 months |
| **Machinery and equipment, not elsewhere classified** | **28** | **2,296.9** | **90.3** | **17.8** | **89.9** | **12.0** | **89.0** | **-6.6** | **89.1** | **0.0** |
| **Transport equipment** | **29-30** | **1,088.3** | **71.9** | **18.5** | **70.5** | **6.0** | **72.7** | **-1.3** | **70.6** | **10.7** |
| **Tobacco; coke and refined petroleum products; furniture** | **12,19,31** | **2,547.3** | **106.1** | **16.4** | **104.6** | **20.5** | **95.1** | **-3.2** | **98.1** | **-7.1** |
| **Other manufacturing** | **32** | **4,845.5** | **151.2** | **26.1** | **146.1** | **20.1** | **151.7** | **6.2** | **144.3** | **10.7** |
| **Repair and installation of machinery and equipment** | **33** | **129.7** | **113.1** | **-3.6** | **109.3** | **-2.0** | **108.9** | **-5.8** | **109.7** | **4.5** |
| **Manufacturing industries** | **10-33** | **90,627.4** | **106.4** | **2.4** | **101.9** | **0.6** | **100.1** | **-2.9** | **98.8** | **6.1** |
| **Mining and quarrying** | **05-09** | **1,513.7** | **77.4** | **-8.5** | **83.3** | **-2.3** | **79.2** | **1.5** | **80.9** | **4.0** |
| **Transportable goods industries** | **05-33** | **92,141.1** | **105.9** | **2.3** | **101.6** | **0.5** | **99.8** | **-2.7** | **98.6** | **6.3** |
| *of which:* Industries mainly or wholly producing[1] | | | | | | | | | | |
| Capital goods | | 26,478.0 | 74.1 | -6.4 | 61.5 | -20.0 | 66.6 | 0.1 | 62.4 | 13.0 |
| Intermediate products | | 15,554.9 | 80.6 | 0.1 | 81.2 | 0.6 | 77.0 | -3.7 | 78.4 | -0.5 |
| Consumer goods | | 48,377.9 | 130.3 | 5.1 | 128.9 | 6.8 | 124.9 | -0.2 | 122.3 | 6.0 |
| *of which:* Durable consumer goods | | 1,494.5 | 84.7 | 39.6 | 79.7 | 19.0 | 85.2 | 3.1 | 81.3 | 14.7 |
| Non-durable consumer goods | | 46,883.4 | 131.7 | 4.6 | 130.5 | 6.5 | 126.2 | -0.3 | 123.6 | 5.9 |

[1] Excludes Energy producing industries

## Table 7 Turnover Indices for Industrial Sectors - Provisional Results (continued)

Base year 2005=100

**July 2010**

| Industrial Sector | NACE | Weighting base | Index - Unadjusted | | | | Index - Seasonally adjusted | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | July 2010 | | May 2010 - Jul 2010 | | July 2010 | | May 2010 - Jul 2010 | |
| | | Year 2005 Turnover EUR million | Index | Annual % change | Index | Annual % change | Index | % change on preceding month | Index | % change on preceding 3 months |
| **Food products and beverages** | **10-11** | **18,507.1** | **105.1** | **7.5** | **115.3** | **10.1** | **105.8** | **-1.9** | **110.5** | **8.8** |
| **Food products** | **10** | **16,057.4** | **108.5** | **10.8** | **118.9** | **12.9** | **108.2** | **-1.5** | **113.3** | **11.3** |
| Meat and meat products | 101 | 3,581.3 | 92.3 | 2.2 | 97.2 | 1.4 | 99.2 | -0.9 | 99.8 | 0.3 |
| Dairy products | 105 | 2,663.0 | 114.8 | 18.4 | 118.8 | 19.4 | 105.5 | -6.6 | 108.6 | 9.9 |
| Bakery and farinaceous products | 107 | 600.8 | 99.1 | 18.2 | 99.9 | 15.4 | 109.9 | 4.3 | 105.2 | 10.5 |
| Grain mill and starch products; prepared animal feeds | 106,109 | 902.7 | 94.1 | -0.7 | 98.3 | -4.9 | 111.8 | -5.3 | 115.9 | 4.2 |
| Other foods | 102-104,108 | 8,309.4 | 115.7 | 12.4 | 132.0 | 17.0 | 111.7 | 0.3 | 119.8 | 15.6 |
| **Beverages** | **11** | **2,449.7** | **82.7** | **-14.5** | **91.1** | **-9.6** | **87.1** | **-7.5** | **90.9** | **-8.6** |
| **Textiles and wearing apparel** | **13-14** | **483.2** | **60.7** | **18.3** | **57.8** | **6.3** | **61.3** | **5.2** | **57.5** | **1.6** |
| **Textiles** | **13** | **244.4** | **76.7** | **13.4** | **79.8** | **12.4** | **76.3** | **-10.7** | **79.5** | **2.7** |
| **Wearing apparel** | **14** | **238.9** | **44.3** | **28.0** | **35.3** | **-5.9** | **48.1** | **43.6** | **37.3** | **6.6** |
| **Leather and related products** | **15** | **27.2** | **94.0** | **6.2** | **85.0** | **-3.8** | **108.3** | **11.7** | **95.2** | **-0.1** |
| **Wood and wood products, except furniture** | **16** | **1,073.6** | **52.6** | **-0.4** | **63.6** | **13.4** | **54.4** | **-5.7** | **61.0** | **11.7** |
| **Paper and paper products; printing and reproduction of recorded media** | **17-18** | **1,968.5** | **72.2** | **0.7** | **75.2** | **-5.8** | **76.2** | **0.7** | **75.4** | **-3.7** |
| **Paper and paper products** | **17** | **558.1** | **61.1** | **-8.9** | **64.2** | **-10.7** | **60.8** | **-2.2** | **63.4** | **-11.6** |
| **Printing and reproduction of recorded media** | **18** | **1,410.4** | **76.6** | **4.1** | **79.6** | **-4.0** | **82.0** | **1.5** | **79.9** | **-1.4** |

## Table 7 Turnover Indices for Industrial Sectors - Provisional Results (continued)

Base year 2005=100

**July 2010**

| Industrial Sector | NACE | Weighting base | Index - Unadjusted | | | | Index - Seasonally adjusted | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | July 2010 | | May 2010 - Jul 2010 | | July 2010 | | May 2010 - Jul 2010 | |
| | | Year 2005 Turnover EUR million | Index | Annual % change | Index | Annual % change | Index | % change on preceding month | Index | % change on preceding 3 months |
| **Chemicals and pharmaceuticals** | **20-21** | **28,397.2** | **135.3** | **20.0** | **140.7** | **14.4** | **151.9** | **6.4** | **144.0** | **13.3** |
| **Chemicals and chemical products** | **20** | **2,139.4** | **117.6** | **20.7** | **128.1** | **14.9** | **122.7** | **-6.1** | **125.9** | **-5.9** |
| **Basic pharmaceutical products and preparations** | **21** | **26,257.8** | **136.8** | **19.9** | **141.7** | **14.4** | **154.2** | **7.4** | **145.6** | **15.0** |
| **Rubber and plastic products** | **22** | **1,485.6** | **79.2** | **8.2** | **84.8** | **9.3** | **81.4** | **4.3** | **82.2** | **5.1** |
| **Other non-metallic mineral products** | **23** | **2,173.4** | **49.6** | **-11.8** | **56.4** | **-9.0** | **48.8** | **-7.8** | **52.4** | **-1.1** |
| **Basic metals and fabricated metal products** | **24-25** | **2,029.8** | **68.3** | **14.1** | **74.2** | **19.9** | **71.3** | **-5.4** | **75.9** | **-0.8** |
| **Basic metals** | **24** | **491.1** | **102.4** | **65.4** | **117.5** | **70.3** | **112.3** | **-8.7** | **123.0** | **7.4** |
| **Fabricated metal products, except machinery and equipment** | **25** | **1,538.7** | **57.4** | **-3.1** | **60.4** | **1.3** | **58.5** | **-2.4** | **60.8** | **-3.9** |
| **Computer, electronic, optical and electrical equipment** | **26-27** | **23,574.0** | **38.5** | **-0.4** | **46.4** | **-19.2** | **47.1** | **-10.5** | **49.4** | **24.1** |
| **Computer, electronic and optical products** | **26** | **22,576.3** | **37.4** | **-0.7** | **45.4** | **-20.4** | **46.2** | **-11.3** | **48.6** | **25.3** |
| Electronic components and boards | 261 | 4,312.1 | 72.0 | -1.7 | 76.9 | -5.1 | 78.6 | 4.0 | 77.2 | 2.1 |
| Computers and peripheral equipment | 262 | 17,068.1 | 24.5 | -4.7 | 33.8 | -31.6 | 31.2 | -27.6 | 35.9 | 36.5 |
| Other electronic and optical products | 263-268 | 1,196.0 | 96.5 | 21.2 | 98.0 | 23.7 | 102.1 | 1.5 | 101.5 | 18.4 |
| **Electrical equipment** | **27** | **997.7** | **64.2** | **3.2** | **68.6** | **5.5** | **64.9** | **-2.8** | **69.1** | **5.2** |

## Table 7 Turnover Indices for Industrial Sectors - Provisional Results (continued)

Base year 2005=100

**July 2010**

| Industrial Sector | NACE | Weighting base | Index - Unadjusted | | | | Index - Seasonally adjusted | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | July 2010 | | May 2010 - Jul 2010 | | July 2010 | | May 2010 - Jul 2010 | |
| | | Year 2005 Turnover EUR million | Index | Annual % change | Index | Annual % change | Index | % change on preceding month | Index | % change on preceding 3 months |
| **Machinery and equipment, not elsewhere classified** | **28** | **2,296.9** | **80.3** | **8.0** | **88.3** | **15.3** | **83.5** | **-6.2** | **89.1** | **2.6** |
| **Transport equipment** | **29-30** | **1,088.3** | **62.2** | **-3.2** | **68.5** | **4.6** | **65.1** | **-10.4** | **70.4** | **9.7** |
| **Tobacco; coke and refined petroleum products; furniture** | **12,19,31** | **2,547.3** | **96.1** | **32.4** | **101.5** | **23.5** | **98.7** | **3.8** | **97.4** | **-8.6** |
| **Other manufacturing** | **32** | **4,845.5** | **145.2** | **33.0** | **147.2** | **26.6** | **150.8** | **-0.6** | **148.6** | **12.2** |
| **Repair and installation of machinery and equipment** | **33** | **129.7** | **104.7** | **14.5** | **109.3** | **4.3** | **120.7** | **10.8** | **115.1** | **8.8** |
| **Manufacturing industries** | **10-33** | **90,627.4** | **93.8** | **13.9** | **100.8** | **8.3** | **103.0** | **2.9** | **102.0** | **10.5** |
| **Mining and quarrying** | **05-09** | **1,513.7** | **82.3** | **5.1** | **81.4** | **-3.1** | **90.6** | **14.4** | **82.8** | **2.9** |
| **Transportable goods industries** | **05-33** | **92,141.1** | **93.7** | **13.7** | **100.4** | **8.0** | **102.9** | **3.1** | **101.8** | **10.5** |
| *of which:* Industries mainly or wholly producing[1] | | | | | | | | | | |
| Capital goods | | 26,478.0 | 54.5 | 12.1 | 61.9 | -5.6 | 63.2 | -5.2 | 65.4 | 18.7 |
| Intermediate products | | 15,554.9 | 72.6 | 3.2 | 78.4 | 2.0 | 77.0 | 0.0 | 77.9 | -2.6 |
| Consumer goods | | 48,377.9 | 120.9 | 15.6 | 127.6 | 13.0 | 129.5 | 3.7 | 126.6 | 11.4 |
| *of which:* Durable consumer goods | | 1,494.5 | 82.1 | 22.1 | 82.9 | 24.7 | 87.7 | 3.0 | 85.2 | 17.4 |
| Non-durable consumer goods | | 46,883.4 | 122.1 | 15.4 | 129.0 | 12.8 | 130.9 | 3.7 | 127.9 | 11.4 |

[1] Excludes Energy producing industries

## Table 8 Turnover Indices for Selected Sectors - Unadjusted[1]

Base year 2005=100

| Period | Industrial Sector and NACE Code | | | | | | |
|---|---|---|---|---|---|---|---|
| | Total for Manufacturing Industries | Food products | Beverages | Chemicals and chemical products | Basic pharmaceutical products and preparations | Computer, electronic and optical products | Other manufacturing |
| | 10-33 | 10 | 11 | 20 | 21 | 26 | 32 |
| 2009 January | 101.6 | 100.0 | 74.5 | 102.6 | 141.0 | 80.1 | 106.0 |
| February | 96.8 | 98.3 | 84.4 | 106.2 | 125.2 | 72.1 | 129.1 |
| March | 116.0 | 104.9 | 102.8 | 138.2 | 160.4 | 99.1 | 121.0 |
| April | 105.9 | 107.5 | 101.6 | 136.7 | 149.9 | 71.8 | 124.4 |
| May | 94.1 | 112.3 | 100.7 | 121.0 | 115.3 | 62.4 | 120.6 |
| June | 103.8 | 106.7 | 105.2 | 118.0 | 142.8 | 73.1 | 119.9 |
| July | 82.4 | 97.9 | 96.8 | 97.4 | 114.0 | 37.7 | 109.2 |
| August | 78.1 | 103.2 | 101.6 | 86.7 | 95.9 | 37.6 | 104.9 |
| September | 92.1 | 92.5 | 102.5 | 95.5 | 133.3 | 50.1 | 119.3 |
| October | 84.8 | 94.4 | 108.1 | 94.0 | 120.4 | 34.3 | 117.2 |
| November | 81.2 | 96.5 | 109.0 | 104.5 | 98.6 | 41.7 | 119.4 |
| December | 80.3 | 97.3 | 116.8 | 104.0 | 82.1 | 62.5 | 101.7 |
| 2010 January | 91.9 | 100.8 | 73.1 | 120.2 | 143.6 | 33.5 | 131.5 |
| February | 92.2 | 106.5 | 85.1 | 135.5 | 133.8 | 32.4 | 139.0 |
| March | 101.0 | 95.0 | 102.3 | 142.7 | 150.8 | 49.5 | 145.8 |
| April | 96.6 | 104.7 | 93.2 | 148.0 | 145.4 | 34.3 | 141.7 |
| May | 102.4 | 132.7 | 94.5 | 133.5 | 141.3 | 39.3 | 145.1 |
| June | 106.4 | 116.7 | 96.6 | 134.1 | 147.2 | 59.7 | 151.2 |
| July | 93.8 | 108.5 | 82.7 | 117.6 | 136.8 | 37.4 | 145.2 |
| Jul 10 / Jul 09 | 13.9% | 10.8% | -14.5% | 20.7% | 19.9% | -0.7% | 33.0% |

[1] All data for latest month are provisional

## Table 9 Production and Turnover Indices by Main Industrial Groupings - Unadjusted[1]

Base year 2005=100

| Period | Production | | | | | Turnover | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Capital goods | Intermediate goods | Consumer goods | *Durable consumer goods* | *Non-durable consumer goods* | Capital goods | Intermediate goods | Consumer goods | *Durable consumer goods* | *Non-durable consumer goods* |
| 2009 January | 99.8 | 74.6 | 119.9 | 66.2 | 121.6 | 84.0 | 74.2 | 118.9 | 75.9 | 120.3 |
| February | 102.0 | 76.6 | 116.2 | 73.9 | 117.6 | 82.1 | 77.6 | 110.3 | 84.8 | 111.1 |
| March | 114.1 | 87.4 | 129.9 | 65.5 | 132.0 | 101.4 | 87.2 | 133.1 | 83.7 | 134.6 |
| April | 101.3 | 79.8 | 123.0 | 61.5 | 125.0 | 80.5 | 81.0 | 127.2 | 69.0 | 129.1 |
| May | 92.3 | 82.6 | 122.9 | 65.6 | 124.7 | 70.9 | 80.6 | 110.9 | 71.7 | 112.1 |
| June | 98.7 | 82.7 | 123.6 | 61.9 | 125.5 | 79.1 | 80.6 | 124.0 | 60.7 | 126.0 |
| July | 75.2 | 73.2 | 109.9 | 61.5 | 111.4 | 48.6 | 70.4 | 104.6 | 67.3 | 105.8 |
| August | 72.3 | 67.7 | 103.0 | 60.6 | 104.4 | 48.0 | 69.4 | 96.5 | 62.9 | 97.6 |
| September | 91.4 | 66.0 | 111.4 | 63.3 | 112.9 | 64.2 | 70.5 | 114.3 | 74.4 | 115.6 |
| October | 79.4 | 70.0 | 115.5 | 66.0 | 117.0 | 47.4 | 73.6 | 108.4 | 79.0 | 109.3 |
| November | 80.1 | 74.6 | 100.1 | 68.2 | 101.1 | 50.7 | 79.7 | 97.5 | 74.3 | 98.3 |
| December | 89.1 | 61.3 | 93.7 | 57.9 | 94.8 | 69.6 | 67.7 | 88.9 | 74.9 | 89.4 |
| 2010 January | 81.9 | 63.6 | 132.6 | 55.3 | 135.1 | 49.8 | 69.7 | 120.9 | 67.0 | 122.6 |
| February | 85.5 | 68.6 | 130.2 | 62.9 | 132.3 | 50.7 | 78.9 | 118.0 | 72.5 | 119.4 |
| March | 97.1 | 72.8 | 148.5 | 62.5 | 151.2 | 65.6 | 84.3 | 123.8 | 70.4 | 125.5 |
| April | 86.9 | 70.3 | 123.0 | 60.6 | 124.9 | 52.5 | 80.6 | 124.2 | 72.2 | 125.9 |
| May | 89.9 | 75.7 | 139.8 | 65.4 | 142.1 | 57.2 | 82.4 | 132.1 | 81.8 | 133.7 |
| June | 99.9 | 76.7 | 141.6 | 67.5 | 144.0 | 74.1 | 80.6 | 130.3 | 84.7 | 131.7 |
| July | 86.2 | 64.5 | 129.1 | 67.3 | 131.0 | 54.5 | 72.6 | 120.9 | 82.1 | 122.1 |
| Jul 10 / Jul 09 | 14.7% | -11.9% | 17.4% | 9.4% | 17.6% | 12.1% | 3.2% | 15.6% | 22.1% | 15.4% |

[1] All data for latest month are provisional

## Table 10 New Orders Indices for Selected Sectors[1]

Base year 2005=100

| Period | New Orders Indices - Unadjusted | | | | | | |
|---|---|---|---|---|---|---|---|
| | Industrial sector and NACE code | | | | | | |
| | Total for Manufacturing Industries | Food products | Beverages | Chemicals and chemical products | Basic pharmaceutical products and preparations | Computer, electronic and optical products | Other manufacturing |
| | 10-33 | 10 | 11 | 20 | 21 | 26 | 32 |
| 2009 January | 101.4 | 99.6 | 74.5 | 102.4 | 140.7 | 80.0 | 106.4 |
| February | 96.3 | 98.1 | 84.3 | 104.2 | 124.2 | 72.5 | 128.9 |
| March | 115.4 | 104.7 | 102.8 | 135.7 | 159.8 | 98.7 | 119.0 |
| April | 104.9 | 107.6 | 99.0 | 135.1 | 147.6 | 71.6 | 123.4 |
| May | 92.9 | 112.1 | 97.9 | 119.8 | 112.4 | 62.4 | 119.5 |
| June | 103.2 | 106.6 | 102.3 | 117.2 | 141.5 | 72.9 | 119.8 |
| July | 82.2 | 97.7 | 96.5 | 96.1 | 114.8 | 37.6 | 108.8 |
| August | 78.2 | 102.3 | 101.6 | 88.5 | 97.0 | 37.6 | 105.6 |
| September | 91.7 | 91.5 | 102.5 | 95.2 | 133.6 | 49.9 | 117.9 |
| October | 83.6 | 94.2 | 107.9 | 95.1 | 117.4 | 34.3 | 114.7 |
| November | 81.0 | 96.1 | 108.9 | 105.2 | 98.5 | 41.6 | 118.6 |
| December | 79.3 | 96.9 | 116.7 | 103.8 | 79.8 | 62.1 | 101.3 |
| 2010 January | 92.1 | 100.6 | 73.0 | 119.3 | 144.2 | 33.5 | 132.0 |
| February | 91.9 | 106.4 | 85.3 | 136.3 | 132.7 | 32.4 | 137.5 |
| March | 100.6 | 94.8 | 102.1 | 142.4 | 149.6 | 49.4 | 145.7 |
| April | 96.2 | 103.9 | 93.2 | 147.3 | 145.2 | 34.5 | 140.7 |
| May | 101.8 | 132.7 | 94.6 | 134.0 | 139.7 | 39.3 | 143.5 |
| June | 104.2 | 116.4 | 96.6 | 134.5 | 140.9 | 59.6 | 148.9 |
| July | 93.2 | 108.5 | 82.8 | 116.5 | 135.0 | 37.5 | 144.9 |
| Jul 10 / Jul 09 | 13.3% | 11.1% | -14.3% | 21.2% | 17.7% | -0.5% | 33.2% |

[1] All data for latest month are provisional

## Table 11 New Orders Indices for Selected Sectors[1]

Base year 2005=100

| Period | New Orders Indices - Seasonally adjusted<br>Industrial sector and NACE code<br>Total for Manufacturing Industries<br>10-33 | Food products<br>10 | Beverages<br>11 | Chemicals and chemical products<br>20 | Basic pharmaceutical products and preparations<br>21 | Computer, electronic and optical products<br>26 | Other manufacturing<br>32 |
|---|---|---|---|---|---|---|---|
| 2009 January | 106.0 | 108.9 | 114.1 | 107.3 | 132.7 | 86.2 | 111.2 |
| February | 97.7 | 105.3 | 97.7 | 101.5 | 111.9 | 84.5 | 120.4 |
| March | 103.8 | 103.2 | 103.2 | 127.8 | 134.5 | 83.6 | 104.1 |
| April | 101.4 | 101.0 | 102.8 | 124.1 | 136.9 | 75.6 | 119.7 |
| May | 93.6 | 103.5 | 95.6 | 111.8 | 108.5 | 75.4 | 117.3 |
| June | 96.8 | 100.0 | 99.9 | 114.2 | 137.9 | 63.7 | 119.6 |
| July | 90.1 | 97.2 | 101.3 | 100.6 | 128.9 | 46.3 | 112.0 |
| August | 84.2 | 100.7 | 96.6 | 96.6 | 98.2 | 47.8 | 119.2 |
| September | 92.8 | 94.0 | 100.1 | 97.2 | 157.8 | 44.0 | 119.8 |
| October | 82.7 | 98.5 | 98.5 | 100.6 | 110.9 | 35.3 | 115.0 |
| November | 80.8 | 97.1 | 97.1 | 111.3 | 102.1 | 41.3 | 112.3 |
| December | 79.1 | 98.2 | 94.9 | 100.9 | 107.8 | 44.5 | 114.7 |
| 2010 January | 96.0 | 110.0 | 111.4 | 125.4 | 134.7 | 36.2 | 137.6 |
| February | 93.1 | 114.2 | 98.5 | 133.1 | 119.2 | 37.7 | 127.9 |
| March | 90.2 | 93.5 | 102.3 | 134.2 | 124.9 | 41.8 | 127.0 |
| April | 92.8 | 97.6 | 96.8 | 134.9 | 134.4 | 36.3 | 136.9 |
| May | 102.6 | 122.6 | 92.2 | 125.0 | 135.5 | 47.5 | 141.0 |
| June | 98.0 | 109.4 | 94.8 | 131.3 | 137.8 | 52.0 | 148.6 |
| July | 102.2 | 108.2 | 87.0 | 122.1 | 151.7 | 46.3 | 149.5 |
| Jul 10 / Jun 10 | 4.3% | -1.1% | -8.2% | -7.0% | 10.1% | -11.0% | 0.6% |

[1] All data for latest month are provisional

# Background Notes

**Introduction**

The monthly industrial production index monitors current trends in the volume of production of industrial local units with three or more persons engaged. The primary purpose of the index is to measure changes in value added at constant prices.

The monthly index of turnover measures the change in the level of sales each month of industrial products, whether manufactured in the month in question or in previous periods (excluding non-industrial activity where practicable). The turnover indices outlined in this release are exclusive of VAT.

The principal difference between the production and turnover indices is that the production index traces the quantitative volume of production (i.e. effect of price changes excluded) each month whether sold or not, whereas the turnover index reflects both the volume of sales and the price level. Starting with January 2009 updated industrial production and turnover indices are being published to base year 2005=100.

The new orders indices measure trends in new orders accepted, including those received and filled during the last month. Orders are valued at the amounts invoiced or still to be invoiced (excluding VAT).

The response rates for the provisional results are typically 46% in terms of the local units surveyed covering 84% of the value of production and 82% of the value of turnover. The corresponding figures for the final results are 58%, 91% and 90% respectively. These response rates are based on averages for a 12 month period ending September 2009. In September 2009 an additional question on response burden showed that respondents took an average of 19 minutes to complete the monthly inquiry form.

**Sample covered**

The monthly survey which provides data for calculating the indices covers the larger local units which between them account for the bulk of industrial output – in general those which in the base year 2005 had twenty or more persons engaged in NACE 5 to 35. For certain sectors the threshold of 20 persons engaged is lowered where this is considered necessary to ensure representativeness of the sample or where data for a sector would have to be kept confidential if the 20 persons engaged threshold were applied. The business activity classifications are based on the Statistical Classification of Economic Activities in the European Community (NACE Rev. 2).

**Methodology**

Working day adjusted individual production, turnover and new orders sub-indices are compiled for each detailed NACE class. These sub-indices are combined to provide the indices for broader sectoral groupings, using as weights for a sector the gross value added at factor cost for production indices, and turnover in goods produced and industrial services provided to others for turnover and new orders indices, for all units in that sector covered in the 2005 Census of Industrial Production (CIP). Weights and base year are revised every five years.

The production index is compiled using two methods. One method is based on the valuation of quantity data at base year prices. The series has been compiled using updated prices from the Prodcom 2005 survey. Alternatively, in cases where reliable quantity data cannot be obtained current value data is converted to values at base year prices using suitable Wholesale Price Index (WPI) deflators.

New orders indices have been produced from January 2004 onwards using reported monthly orders data. In the event of non-response, the reported turnover is used as an estimate for the calculation of new orders indices.

**Seasonal Adjustment**

The data is seasonally adjusted using an X-11 procedure. This procedure is an adaptation of the US Bureau of the Census X-11 Seasonal Adjustment Program. This seasonal adjustment process is carried out once a year using the latest (currently up to and including December 2009) monthly patterns available. Each index is independently seasonally adjusted i.e. the adjusted indices of groupings of sectors are not systematically derivable as weighted averages of their component parts.

**NACE classification**

The business activity classifications used in this Statistical release are based on the Statistical Classification of Economic Activities in the European Community i.e. NACE Rev. 2. The main change for the Industrial Production and Turnover release is the reclassification of local units in the Publishing sector (NACE Rev 1.1 22) to the Services sector (i.e. outside the scope of this release).

Other changes mean that there are separate NACE groups for Food products (NACE 10), Beverages (NACE 11), Chemical and chemical products (NACE 20) and Basic pharmaceutical products and preparations (NACE 21).

The descriptions of particular NACE Rev. 2 sectors are sometimes shown in abbreviated form in the release. For further information on the NACE Rev. 2 classification of industrial activity, visit the CSO website (http://www.cso.ie/surveysandmethodologies/classification_indus_act.htm).

**Retrospection**

Indices calculated under the previous system (NACE Rev1.1 and base year 2000) have been re-cast in order to make comparisons with earlier periods. When making comparisons with data produced in previous monthly industrial production and turnover releases (classified by NACE Rev. 1.1 and NACE Rev. 70) it should be noted that the content of NACE Rev.2 sectors can be quite different from that of similarly-titled NACE Rev. 1.1 and NACE Rev. 70 sectors.

**Updated Wholesale Price Index (Base Year = 2005)**

The wholesale price indices were revised in June 2010 to include updated weights (base year = 2005) and to allow for the NACE Rev. 2 reclassification of the indices . New base year weights were compiled for the Wholesale Price Index using the results of the 2005 Census of Industrial Production (CIP) and the Prodcom Inquiry surveys. New base weights were applied to each three digit NACE group on the basis of the Census of Industrial Production and the commodity groups weights were assigned on the basis of the Prodcom Inquiry. The business activity classifications used in the updated WPI series are based on the Statistical Classification of Economic Activities in the European Community i.e. NACE Rev. 2. The main change arising from the adoption of NACE Rev. 2 is the reclassification of local units in the Publishing sector (NACE Rev 1.1 22) to the Services sector. Other significant changes include separate NACE divisions for Food products (NACE 10), Beverages (NACE 11), Chemicals and chemical products (NACE 20) and Basic pharmaceutical products and preparations (NACE 21).

For further information on the updated WPI indices see the CSO publication *Wholesale Price Index, Introduction of Updated Series Base Year 2005 = 100*

(http://www.cso.ie/releasespublications/documents/prices/2010/wpiintro05.pdf).

The Industrial Production Indices have been reclassified to Nace Rev.2 from January 2009. Prior to the adoption of the updated WPI indices in June 2010, adjustments were made to the Nace Rev 1 WPI indices in the calculation of Nace Rev.2 deflators for the industrial production indices.