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Latest developments for the production index of total industry (excluding construction)

during the final quarter of 2003

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After having experienced subdued or negative rates of change in the first half of 2003, the EU's seasonally adjusted industrial production index grew at a relatively fast pace during the second half of the year. The growth rate of industrial output accelerated between the third and final quarters of 2003, with production growing by 1.1 % in the euro-zone and by 0.7 % in the EU in the final quarter of 2003. These latest quarter on quarter growth rates were the highest recorded since the third (EU) and fourth (euro-zone) quarters of 2000 respectively.

Having registered negative rates in the second and third quarters of 2003, the working day adjusted industrial production index returned to positive territory on the basis of a comparison between the final quarters of 2002 and 2003, rising by 1.3 % in the EU and by 1.6 % in the euro-zone.

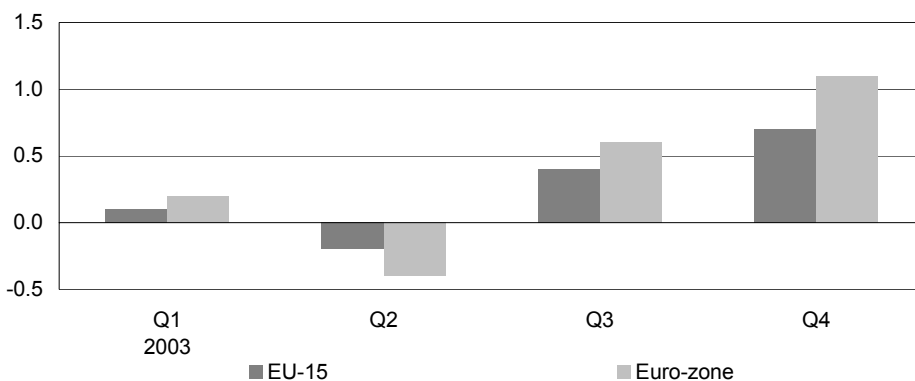


Figure 1: Production index for total industry (excluding construction), seasonally adjusted data, growth rates, compared to the previous quarter (%)

Quarter on quarter growth rates, seasonally adjusted data				Year on year growth rates, working day adjusted data			
EU-15		Euro-zone		EU-15		Euro-zone	
Q1-03	0.1	Q1-03	0.2	Q1-03	0.4	Q1-03	0.7
Q2-03	-0.2	Q2-03	-0.4	Q2-03	-0.7	Q2-03	-0.8
Q3-03	0.4	Q3-03	0.6	Q3-03	-0.1	Q3-03	-0.1
Q4-03	0.7	Q4-03	1.1	Q4-03	1.3	Q4-03	1.6

Table 1: Production index for total industry (excluding construction), growth rates (%)



Production index for the main industrial groupings (MIGs) and total industry (excluding construction)

The recovery in industrial production witnessed in the third and final quarters of 2003 was particularly evident in the capital and intermediate goods industries. In the final quarter of 2003, output in the capital goods sector rose by 1.8 % in the EU and by 2.0 % in the euro-zone compared to the quarter before. The corresponding growth rates for the intermediate goods sector were 1.1 % in the EU and 1.5 % in the euro-zone. Growth in the consumer durables sector was less strong (especially when compared to the rates registered in the third quarter of 2003), while there was almost no change in the level of output for consumer non-durables. Energy was the only sector to report a wide divergence between the latest growth rates for the EU (-0.9 %) and the euro-zone (+0.2 %).

		Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, working day adjusted data					
		Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03
Total industry (excluding construction)	EU-15	-0.1	-0.2	0.1	-0.2	0.4	0.7	-0.3	0.8	0.4	-0.7	-0.1	1.3
	Euro-zone	0.1	-0.5	0.2	-0.4	0.6	1.1	0.2	1.3	0.7	-0.8	-0.1	1.6
Total industry (excluding energy & construction)	EU-15	0.1	-0.7	0.0	-0.3	0.6	1.2	-0.6	0.9	0.2	-1.0	-0.4	1.5
	Euro-zone	0.1	-0.8	-0.1	-0.5	0.7	1.4	0.0	1.4	0.3	-1.4	-0.7	1.7
Energy	EU-15	-0.7	-0.9	1.7	0.0	0.5	-0.9	0.4	-0.5	2.9	-0.2	1.2	1.1
	Euro-zone	1.1	-0.8	3.0	-0.7	0.9	0.2	1.7	-0.4	4.4	2.1	2.4	3.4
Intermediate goods	EU-15	0.7	-0.8	0.2	-0.4	0.7	1.1	0.8	2.2	0.9	-0.5	-0.4	1.5
	Euro-zone	0.6	-0.6	0.0	-0.4	0.8	1.5	1.2	2.8	1.1	-0.6	-0.4	1.9
Capital goods	EU-15	0.6	-0.7	-0.1	0.0	0.3	1.8	-1.7	0.6	0.5	-0.6	-0.5	2.2
	Euro-zone	0.6	-1.0	-0.1	-0.6	0.6	2.0	-0.6	1.2	0.8	-1.8	-1.2	2.2
Consumer durables	EU-15	-0.9	-1.8	-1.9	-1.1	1.1	0.3	-3.6	-3.6	-5.9	-5.9	-3.6	-1.5
	Euro-zone	-0.9	-2.2	-1.7	-1.8	0.9	0.5	-4.5	-4.3	-6.0	-6.8	-4.6	-2.0
Consumer non-durables	EU-15	-0.4	0.0	-0.2	0.0	0.6	0.1	0.1	0.8	-0.7	-0.7	0.6	0.6
	Euro-zone	-0.5	0.3	-0.3	-0.1	0.8	0.0	0.2	1.4	-0.3	-0.8	0.8	0.4

Table 2: Production index for the MIGs, growth rates (%)

The rapid pace of growth in the EU was not spread across all of the Member States, as industrial production fell in the majority of the Member States for the latest quarter on quarter growth rates available (either Q3-2003 or Q4-2003). However, the European figures were strongly influenced by the rapid growth of industrial output in Germany (2.5 %) and France (1.1 %) in the final quarter of 2003, as well as Ireland (5.8 %). None of the other Member States reported industrial output rising by more than 1 % between the third and final quarters of 2003.

	Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, working day adjusted data					
	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03
EU-15	-0.1	-0.2	0.1	-0.2	0.4	0.7	-0.3	0.8	0.4	-0.7	-0.1	1.3
Euro-zone	0.1	-0.5	0.2	-0.4	0.6	1.1	0.2	1.3	0.7	-0.8	-0.1	1.6
BE	0.3	0.2	-1.3	-1.4	0.9	-0.4	3.5	3.7	-0.1	-1.2	2.5	1.4
DK	-1.9	-0.8	1.7	-0.1	0.3	-1.8	1.0	1.0	1.6	-1.2	1.1	-0.4
DE	0.9	-0.8	0.7	-1.0	0.0	2.5	-0.1	1.7	1.5	-0.2	-1.1	1.9
EL	-0.7	1.4	-2.2	3.5	-0.8	:	0.1	3.1	0.9	2.1	2.0	:
ES	0.9	0.4	0.2	0.3	0.2	0.4	0.4	2.5	1.5	1.7	1.0	1.1
FR	-0.2	-1.3	0.5	-0.9	1.0	1.1	-1.4	-0.9	-0.3	-2.1	-0.7	1.7
IE	-1.1	-1.6	4.5	0.3	3.6	5.8	10.6	6.5	2.2	2.3	6.2	14.6
IT	0.2	-0.5	-0.4	-0.8	1.4	-0.1	-0.1	0.6	-0.4	-1.5	-0.1	0.2
LU	-2.8	0.7	2.7	-1.6	2.7	:	-0.3	1.6	4.5	-1.2	4.7	:
NL	-0.8	-0.6	0.5	-3.5	0.5	0.8	-0.7	0.5	0.2	-4.4	-3.5	-1.6
AT	-0.9	0.0	2.0	-0.5	0.5	:	0.6	1.5	3.7	0.7	1.9	:
PT	-1.5	0.0	0.4	-0.5	1.5	-0.3	0.5	-1.9	0.6	-2.3	1.7	0.8
FI	-0.6	0.3	-2.4	1.1	2.5	-0.8	2.9	5.2	2.0	-1.5	1.8	0.5
SE	-0.1	0.6	0.2	1.1	-0.2	-0.4	-1.1	-0.9	-1.0	1.9	2.5	0.3
UK	-0.3	-0.6	-0.3	0.2	0.0	-0.2	-2.7	-1.2	-1.1	-0.4	-0.4	-0.1

Table 3: Production index for total industry (excluding construction), growth rates (%)

Production index for the main industrial groupings (MIGs)

	Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, working day adjusted data					
	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03
EU-15	0.1	-0.7	0.0	-0.3	0.6	1.2	-0.6	0.9	0.2	-1.0	-0.4	1.5
Euro-zone	0.1	-0.8	-0.1	-0.5	0.7	1.4	0.0	1.4	0.3	-1.4	-0.7	1.7
BE	-0.4	-0.6	-1.1	0.6	2.6	2.8	3.3	4.1	-0.3	-2.0	1.6	5.4
DK	-0.8	-0.7	0.3	-0.7	0.9	-1.4	-0.1	2.4	0.8	-2.0	-0.3	-1.0
DE	0.9	-0.7	0.2	-0.9	0.3	2.2	-0.3	1.7	1.0	-0.6	-1.2	2.1
EL	-0.5	0.7	-2.8	2.9	-2.3	:	-0.3	3.7	-1.4	0.3	-1.3	:
ES	0.6	-0.2	0.3	-1.1	0.7	1.4	1.0	4.1	4.3	-0.5	0.0	1.2
FR	0.2	-1.9	0.3	-0.6	0.6	1.3	-1.6	-0.9	-1.6	-2.5	-1.4	1.7
IE	-2.6	-2.5	2.4	2.8	1.6	:	9.3	4.2	0.5	0.6	4.0	:
IT	0.0	0.0	-1.1	-0.9	1.4	-0.1	-1.1	0.9	-0.8	-2.4	-0.7	-0.6
LU	-4.4	1.3	1.9	-1.2	2.0	0.8	-0.6	1.0	3.3	-2.5	3.7	3.6
NL	2.5	-2.7	0.8	-3.7	2.6	-1.7	-1.5	-0.8	-1.9	-3.2	-3.2	-2.2
AT	-1.3	0.1	2.0	-0.4	0.8	:	0.7	1.7	3.3	0.4	2.5	:
PT	-1.3	0.2	-0.9	-0.4	1.3	-0.8	0.7	-1.2	-0.8	-3.1	0.1	-0.7
FI	0.2	0.5	-1.1	0.0	1.2	0.5	2.6	4.2	0.9	-1.9	0.9	0.7
SE	-0.2	0.6	0.9	0.7	0.3	-1.1	0.7	0.2	-0.1	2.9	3.1	0.5
UK	0.7	-0.5	-0.5	1.2	-0.1	0.5	-3.3	-1.5	-0.4	0.3	0.1	1.1

Table 4: Production index for total industry (excluding energy & construction), growth rates (%)

	Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, working day adjusted data					
	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03
EU-15	-0.7	-0.9	1.7	0.0	0.5	-0.9	0.4	-0.5	2.9	-0.2	1.2	1.1
Euro-zone	1.1	-0.8	3.0	-0.7	0.9	0.2	1.7	-0.4	4.4	2.1	2.4	3.4
BE	5.6	-3.6	-1.3	10.7	-2.3	-5.9	8.0	0.9	0.2	11.9	3.2	0.5
DK	-3.6	-2.5	4.6	5.1	1.3	-7.8	7.2	-4.0	5.7	3.0	8.5	2.6
DE	0.1	-0.1	2.6	1.0	-2.7	-0.7	0.6	0.0	4.7	3.7	0.7	0.0
EL	-2.4	2.9	-1.9	7.6	0.4	:	0.1	2.4	4.3	5.9	8.7	:
ES	-1.9	-0.1	3.9	0.3	2.6	-0.8	-2.4	-4.0	0.1	2.0	6.9	5.9
FR	0.3	-0.3	3.6	-2.1	1.1	2.5	-1.4	-3.2	5.0	0.7	2.3	4.8
IE	5.4	2.8	2.4	-6.5	8.3	:	1.4	5.5	-0.2	3.8	6.5	:
IT	0.8	-2.7	5.0	-0.1	1.9	-0.8	6.3	-0.9	3.9	3.0	4.1	6.1
LU	4.2	3.7	8.3	0.3	3.2	:	5.0	10.4	21.4	17.3	15.9	:
NL	1.5	-1.6	2.6	-10.6	3.7	8.3	5.4	4.1	6.7	-9.7	-7.6	1.4
AT	1.5	-3.0	4.1	0.0	-2.8	:	0.2	0.7	5.6	2.5	-1.8	:
PT	-2.9	-1.2	8.7	-1.1	-3.7	3.2	-0.9	-6.2	8.4	2.1	2.1	7.1
FI	3.1	7.3	1.6	-3.3	7.1	-7.3	1.8	16.2	14.7	8.6	13.3	-2.7
SE	-8.1	-0.8	-1.2	-0.6	-2.7	2.9	-18.9	-11.5	-8.6	-11.1	-6.4	-1.8
UK	-4.8	1.3	-1.1	-1.1	-1.5	-1.1	-1.7	0.6	-0.4	-5.4	-2.0	-4.6

Table 5: Production index for energy, growth rates (%)

	Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, working day adjusted data					
	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03
EU-15	0.7	-0.8	0.2	-0.4	0.7	1.1	0.8	2.2	0.9	-0.5	-0.4	1.5
Euro-zone	0.6	-0.6	0.0	-0.4	0.8	1.5	1.2	2.8	1.1	-0.6	-0.4	1.9
BE	3.0	3.0	-1.9	-7.9	13.7	0.2	8.3	14.7	5.0	-4.1	6.2	2.9
DK	-3.6	-0.4	6.3	-2.9	-0.8	1.3	3.8	1.7	8.5	-0.4	2.5	3.5
DE	1.5	-1.1	0.3	-0.2	-0.1	3.0	1.2	2.9	1.5	0.6	-1.1	2.8
EL	-1.5	0.7	-0.3	3.2	1.0	:	0.1	2.0	2.5	2.1	4.5	:
ES	1.3	0.7	0.8	-0.6	-0.5	1.4	0.6	5.2	3.5	2.1	0.8	1.1
FR	-0.3	-1.5	-0.6	-1.6	0.3	0.7	-2.0	-0.2	-1.6	-4.0	-3.6	-1.0
IE	-0.9	-5.6	6.1	1.5	5.2	:	20.7	5.0	-0.7	1.3	6.0	:
IT	0.7	-0.9	0.1	-1.6	0.7	-0.6	-1.5	0.6	0.7	-1.6	-1.7	-1.3
LU	-4.3	1.5	0.1	1.0	3.1	:	-1.0	1.3	2.1	-2.0	5.4	:
NL	-0.5	-0.9	-0.6	0.3	-0.7	0.4	0.1	0.4	0.0	-1.7	-2.0	-0.8
AT	-0.8	0.2	2.1	0.3	0.6	:	1.2	3.0	4.1	1.9	3.1	:
PT	-2.8	-0.2	0.3	2.8	2.0	-1.0	3.2	0.6	0.5	-0.8	5.8	3.7
FI	1.8	0.0	-1.8	2.3	0.9	0.6	4.4	7.8	2.7	2.3	1.6	2.1
SE	1.4	-1.1	0.7	-0.3	0.7	-1.1	1.9	-1.7	0.8	0.5	0.3	-0.2
UK	1.5	-0.5	-0.5	-0.3	0.2	-0.3	-2.1	-0.3	-1.1	0.3	-1.0	-0.8

Table 6: Production index for intermediate goods, growth rates (%)

Production index for the main industrial groupings (MIGs) (continued)

	Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, working day adjusted data					
	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03
EU-15	0.6	-0.7	-0.1	0.0	0.3	1.8	-1.7	0.6	0.5	-0.6	-0.5	2.2
Euro-zone	0.6	-1.0	-0.1	-0.6	0.6	2.0	-0.6	1.2	0.8	-1.8	-1.2	2.2
BE	-4.5	-6.5	2.8	3.2	-9.3	4.0	0.4	-6.8	-4.6	-4.9	-11.2	-0.2
DK	1.3	0.5	-1.0	-0.5	-1.8	-2.6	2.9	6.3	0.1	0.3	-2.8	-6.3
DE	0.9	-0.7	1.3	-2.6	0.7	3.9	-0.4	2.1	2.9	-1.2	-1.2	3.2
EL	-1.5	7.1	-18.2	18.9	-1.6	:	-1.2	0.2	-7.5	3.1	1.4	:
ES	4.0	-1.5	-1.1	0.2	0.1	2.1	-1.9	5.0	0.3	0.4	-2.2	2.5
FR	-0.4	-1.8	0.7	0.3	1.3	2.4	-1.3	-1.9	-0.8	-1.4	0.8	4.6
IE	5.6	0.8	0.7	5.5	3.3	:	-2.9	9.2	5.8	13.2	10.5	:
IT	0.3	-0.2	-2.5	-1.0	2.0	0.6	0.4	2.2	-1.7	-3.3	-1.7	-0.6
LU	2.0	-6.2	3.7	-5.0	-2.8	:	-2.8	-3.8	5.4	-6.3	-13.1	:
NL	-2.6	0.6	-1.5	-1.0	-3.4	0.5	-4.2	-1.4	-2.6	-4.4	-5.2	-5.5
AT	-3.7	2.4	1.6	-2.1	1.1	:	-0.5	1.9	5.0	-2.0	3.3	:
PT	-3.1	1.6	-5.5	-4.6	2.2	0.2	-7.4	-4.8	-6.2	-11.3	-6.9	-7.6
FI	-2.2	0.0	-3.8	-0.1	1.3	-1.4	4.7	3.8	0.5	-6.2	-2.4	-4.0
SE	-0.8	3.0	-0.9	2.8	-0.4	0.1	-1.2	2.0	-0.6	4.3	6.6	0.9
UK	1.5	-1.2	0.8	2.4	-0.1	0.4	-8.1	-3.9	-0.8	4.7	1.6	3.8

Table 7: Production index for capital goods, growth rates (%)

	Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, working day adjusted data					
	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03
EU-15	-0.9	-1.8	-1.9	-1.1	1.1	0.3	-3.6	-3.6	-5.9	-5.9	-3.6	-1.5
Euro-zone	-0.9	-2.2	-1.7	-1.8	0.9	0.5	-4.5	-4.3	-6.0	-6.8	-4.6	-2.0
BE	-3.9	-3.4	-1.6	-3.5	0.4	-2.9	-5.2	-6.4	-6.7	-12.0	-8.2	-6.5
DK	-0.2	-4.3	-0.7	0.1	1.1	-2.6	-10.0	-4.0	-8.8	-5.8	-3.5	-3.2
DE	0.5	-2.2	-1.8	-4.2	1.0	1.2	-8.6	-5.7	-6.3	-7.6	-7.0	-4.0
EL	1.6	-6.1	4.9	-5.4	8.4	:	-10.8	-16.2	-3.4	-5.5	1.3	:
ES	0.2	-1.6	1.8	1.3	-2.3	-2.2	2.0	-5.1	-1.5	0.8	-1.7	-1.9
FR	-0.2	-3.6	-4.0	-1.8	-0.4	-3.0	-2.5	-2.4	-8.3	-10.2	-8.4	-7.2
IE	1.1	-2.5	3.2	2.1	-4.6	:	-8.0	-10.5	-4.8	4.2	-1.8	:
IT	-1.3	-0.7	-4.1	-1.2	3.9	1.1	-0.6	-0.8	-6.6	-7.7	-2.0	0.3
LU	:	:	:	:	:	:	:	:	:	:	:	:
NL	0.2	-6.7	1.6	-4.7	-0.9	-1.1	-3.8	-5.5	-5.1	-9.4	-10.6	-5.4
AT	-0.8	-4.0	1.4	2.0	-3.1	:	-6.6	-10.7	-7.5	-0.6	-4.7	:
PT	-1.4	1.6	4.3	-0.8	1.7	-3.5	-2.2	-1.1	5.4	3.3	7.6	1.6
FI	-3.1	-9.1	-6.6	10.9	59.3	3.5	-18.5	-11.5	-13.8	-8.3	58.5	70.6
SE	-0.8	-2.2	0.0	0.1	2.3	-5.6	-2.7	-6.6	-3.9	-2.9	0.9	-3.6
UK	-0.3	1.1	-4.3	1.8	2.4	0.6	1.2	0.5	-5.3	-1.9	0.3	1.3

Table 8: Production index for consumer durables, growth rates (%)

	Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, working day adjusted data					
	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03
EU-15	-0.4	0.0	-0.2	0.0	0.6	0.1	0.1	0.8	-0.7	-0.7	0.6	0.6
Euro-zone	-0.5	0.3	-0.3	-0.1	0.8	0.0	0.2	1.4	-0.3	-0.8	0.8	0.4
BE	0.3	0.0	0.1	0.8	3.6	3.9	4.2	1.6	-0.4	0.4	5.5	8.5
DK	-2.2	-0.4	-1.7	-0.5	2.0	0.3	-3.9	0.5	-3.6	-4.7	-0.6	-0.2
DE	0.1	-0.2	-0.6	0.4	-0.1	0.4	-1.2	0.8	-1.9	-0.4	-0.6	-0.1
EL	0.6	3.0	-4.3	3.1	-4.7	:	1.0	9.0	-0.5	2.5	-3.3	:
ES	2.0	-0.1	-0.9	0.8	0.1	-1.3	4.1	3.0	0.9	1.9	0.6	-1.6
FR	0.3	-0.9	0.8	-0.6	1.8	-0.5	-0.2	0.9	-0.5	-0.5	1.3	1.5
IE	-6.1	4.2	0.1	-4.3	2.3	:	6.4	9.5	8.8	-6.5	2.2	:
IT	-1.2	0.3	0.2	0.0	1.3	-1.0	-1.9	0.3	-0.7	-0.9	1.9	0.4
LU	-5.2	2.3	4.4	-2.7	5.1	:	2.4	4.3	5.8	-1.5	9.0	:
NL	-0.8	-1.0	0.5	-2.0	0.8	-0.4	-0.8	-0.5	-2.5	-3.3	-1.7	-1.2
AT	0.6	-0.1	0.9	0.0	1.5	:	3.3	2.4	2.7	0.8	1.9	:
PT	1.7	0.0	-1.4	-3.1	3.3	-0.8	1.4	-1.8	-0.9	-3.4	-1.3	-2.5
FI	-2.1	0.0	-0.9	0.1	1.2	0.5	-3.4	-1.1	-1.8	-3.0	0.1	0.9
SE	2.2	0.1	2.2	1.9	-1.1	-0.3	2.2	0.8	-0.4	6.0	3.1	1.5
UK	0.4	-1.9	0.2	0.2	0.6	0.2	-0.3	-1.5	-1.5	-0.9	-0.3	1.2

Table 9: Production index for consumer non-durables, growth rates (%)

Production index for 2-digit NACE activities in the EU

NACE Rev. 1 heading (code)	Weight in total industry (%)	Seasonally adjusted index (2000=100)								Latest growth rates (1)		
		Q1-02	Q2-02	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q/Q-1(%)	Q/Q-4(%)	
Total industry (excluding construction)	C-E	100.0	98.8	99.4	99.3	99.1	99.2	99.1	99.4	100.1	0.7	1.3
Total industry (excluding energy & construction)		87.4	98.3	99.1	99.2	98.5	98.5	98.2	98.8	99.9	1.2	1.5
Energy		12.6	99.4	102.0	101.3	100.5	102.1	102.1	102.6	101.6	-0.9	1.1
Intermediate goods		34.4	97.9	98.7	99.4	98.6	98.8	98.4	99.0	100.1	1.1	1.5
Capital goods		26.3	98.4	98.8	99.4	98.7	98.6	98.6	98.9	100.6	1.8	2.2
Durable consumer goods		4.2	95.4	94.3	93.5	91.8	90.0	89.0	90.0	90.2	0.3	-1.5
Non-durable consumer goods		22.5	101.6	101.7	101.2	101.2	101.0	101.0	101.7	101.8	0.1	0.6
Mining of coal and lignite	10	0.4	90.6	89.6	91.4	88.6	87.3	89.2	83.0	90.3	8.8	2.0
Extraction of crude petroleum and natural gas	11	2.8	95.6	101.7	96.9	98.4	97.5	93.2	93.7	91.5	-2.3	-6.9
Mining of metal ores	13	0.0	96.2	97.5	100.7	99.7	97.3	94.1	97.7	99.4	1.7	0.0
Other non-metallic mining	14	0.7	101.0	97.0	96.9	97.6	98.4	98.8	95.9	97.3	1.4	-0.2
Food and beverages	15	9.4	103.0	103.3	103.1	104.0	103.8	103.7	104.6	104.6	0.0	0.7
Tobacco	16	0.5	95.1	94.5	93.7	92.0	90.7	90.0	84.8	85.3	0.6	-7.1
Textiles	17	2.2	91.6	92.3	91.7	90.2	89.7	88.0	87.8	87.7	-0.1	-2.8
Clothing	18	1.4	88.2	84.9	82.5	80.6	79.1	78.8	79.0	76.7	-2.9	-5.1
Leather products	19	0.7	90.5	89.8	88.1	85.4	84.5	81.1	79.9	77.9	-2.4	-8.8
Wood products	20	1.8	95.2	97.0	97.4	97.0	96.7	96.7	97.7	97.9	0.3	0.9
Pulp & paper	21	2.8	100.1	100.5	101.7	101.8	102.0	101.8	103.0	104.0	1.0	2.2
Publishing & printing	22	5.5	97.7	97.8	97.9	97.4	96.7	96.9	97.3	98.1	0.9	0.9
Refined petroleum products	23	1.8	98.2	97.9	97.1	96.0	99.2	98.5	99.6	100.9	1.3	5.1
Chemicals	24	9.4	106.5	108.4	108.8	107.5	108.5	108.7	109.8	112.3	2.3	4.6
Rubber & plastics	25	4.0	97.7	98.7	98.8	98.2	98.5	98.4	99.6	100.8	1.1	2.8
Non-metallic minerals	26	3.9	97.0	97.0	96.4	96.0	96.4	96.8	97.6	99.1	1.5	3.1
Basic metals	27	3.4	96.8	97.9	98.9	98.1	98.3	97.0	97.4	99.0	1.6	0.9
Metal products	28	8.0	98.9	98.8	99.6	98.9	98.0	97.5	98.4	99.4	1.0	0.7
Machinery	29	9.5	99.7	99.9	99.8	99.9	98.7	97.7	98.1	99.1	1.1	-0.6
Office machinery	30	0.9	83.5	80.3	78.9	76.1	77.1	77.9	78.4	78.9	0.7	4.9
Electrical machinery	31	4.4	95.4	96.0	97.0	95.6	95.1	94.9	94.5	96.1	1.7	0.9
Radio, TV and communications	32	3.7	80.5	80.6	80.2	79.0	80.1	79.1	80.3	80.8	0.6	2.9
Medical and optical instruments	33	2.8	103.1	103.6	104.0	103.6	104.6	104.2	104.6	106.1	1.4	2.7
Motor vehicles	34	6.6	100.2	102.5	104.8	104.0	104.0	104.2	104.2	107.3	3.0	3.5
Other transport equipment	35	2.6	98.2	97.4	96.7	98.2	99.5	101.6	101.7	105.2	3.5	7.4
Furniture & other manufacturing	36	2.9	96.4	95.7	93.2	91.4	91.7	91.1	91.2	90.5	-0.8	-1.1
Electricity, gas and hot water supply	40	6.8	101.6	103.8	104.2	103.0	105.7	106.1	107.1	106.4	-0.7	3.2
Water	41	0.8	102.1	101.3	100.6	100.7	102.6	103.1	105.7	:	2.5	5.1

Table 10: Production index for 2-digit NACE activities in the EU

¹ Growth rates based on latest available period for each activity; Q/Q-1 on the basis of a seasonally adjusted series; Q/Q-4 on the basis of a working day adjusted series.

Production index for the three largest NACE Divisions within total industry (excluding construction)

	Seasonally adjusted index (2000=100)								Latest growth rates (1)	
	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q/Q-1(%)	Q/Q-4(%)
EU-15	103.0	103.3	103.1	104.0	103.8	103.7	104.6	104.6	0.0	0.7
Euro-zone	103.2	103.4	103.3	104.2	103.9	104.2	105.2	105.1	-0.1	0.8
BE	109.7	111.1	111.6	112.4	110.7	111.6	115.3	115.7	0.4	3.0
DK	103.5	111.3	106.4	111.1	120.7	111.8	111.5	116.4	4.4	4.7
DE	100.7	99.7	101.8	101.4	100.2	102.2	103.7	101.3	-2.3	1.0
EL	105.2	103.8	103.4	108.1	101.3	103.1	96.7	:	-6.2	-7.0
ES	101.3	105.3	105.9	107.7	105.1	108.0	109.3	109.1	-0.2	1.3
FR	104.3	103.9	102.9	103.8	104.0	103.4	104.4	103.5	-0.9	-0.4
IE	113.5	110.2	105.4	106.5	113.4	114.5	119.0	:	4.0	13.2
IT	103.9	104.1	103.9	106.9	106.0	105.2	106.9	107.6	0.7	0.6
LU	105.2	107.8	99.7	105.5	103.0	99.3	104.1	:	4.9	4.6
NL	101.0	100.4	101.0	98.4	99.7	98.4	98.1	:	-0.3	-2.9
AT	101.5	103.1	103.7	103.5	102.2	103.7	104.8	:	1.1	1.2
PT	104.1	104.7	105.3	106.2	103.6	101.1	108.9	104.6	-3.9	-2.8
FI	105.6	105.4	103.5	105.0	103.5	104.6	106.0	106.9	0.9	1.9
SE	104.7	98.3	101.2	97.6	96.3	97.2	94.7	93.6	-1.2	-4.1
UK	102.4	102.0	102.7	101.5	102.4	101.5	102.3	102.2	-0.1	0.2

Table 11: Production index for food products and beverages

	Seasonally adjusted index (2000=100)								Latest growth rates (1)	
	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q/Q-1(%)	Q/Q-4(%)
EU-15	106.5	108.4	108.8	107.5	108.5	108.7	109.8	112.3	2.3	4.6
Euro-zone	106.2	108.6	108.8	107.3	108.7	108.4	109.6	112.3	2.4	4.5
BE	103.7	107.8	108.1	104.9	106.0	104.1	111.0	122.3	10.2	17.3
DK	110.2	116.6	116.4	111.3	108.7	108.2	113.5	112.9	-0.5	1.5
DE	101.9	101.3	102.9	100.9	103.4	102.3	100.6	101.7	1.1	0.5
EL	114.1	119.8	120.7	127.6	124.7	127.8	134.3	:	5.1	11.9
ES	100.6	102.5	105.8	107.1	108.8	108.4	109.4	106.9	-2.3	-0.6
FR	104.8	103.6	105.5	102.7	106.6	105.0	107.0	108.3	1.2	5.7
IE	150.3	155.8	151.3	145.9	152.5	148.9	155.9	:	4.7	2.1
IT	98.6	100.4	99.8	99.2	98.8	97.3	98.0	96.7	-1.3	-2.5
LU	109.9	137.9	120.5	122.4	126.1	120.0	120.5	:	0.4	-1.6
NL	102.7	108.6	105.8	108.5	109.5	110.3	109.6	110.0	0.3	1.3
AT	110.4	113.2	112.3	106.9	114.2	115.1	112.1	:	-2.6	-0.3
PT	96.5	99.1	101.3	100.4	105.5	104.3	107.8	106.9	-0.9	6.5
FI	99.9	98.0	101.4	99.6	100.7	98.7	100.7	99.9	-0.9	0.1
SE	120.1	115.3	116.9	120.4	127.0	129.2	128.8	130.9	1.6	8.1
UK	106.3	105.9	107.1	104.6	104.7	105.9	107.3	109.3	1.9	4.9

Table 12: Production index for chemicals and chemical products

	Seasonally adjusted index (2000=100)								Latest growth rates (1)	
	Q1-02	Q2-02	Q3-02	Q4-02	Q1-03	Q2-03	Q3-03	Q4-03	Q/Q-1(%)	Q/Q-4(%)
EU-15	99.7	99.9	99.8	99.9	98.7	97.7	98.1	99.1	1.1	-0.6
Euro-zone	100.0	100.4	100.4	100.6	99.2	97.5	98.0	99.2	1.1	-1.3
BE	100.0	103.7	105.7	102.2	102.2	100.0	98.5	96.5	-2.0	-5.7
DK	106.7	102.7	100.3	101.3	99.7	98.8	99.2	98.3	-0.8	-3.2
DE	99.9	99.9	99.5	99.3	99.2	96.1	97.4	99.6	2.2	0.2
EL	101.9	101.7	106.4	107.8	104.8	105.7	100.5	:	-5.0	-5.5
ES	94.7	91.4	93.4	93.6	91.3	92.1	92.1	93.5	1.5	0.5
FR	100.1	102.7	103.4	103.0	102.1	100.6	100.7	100.9	0.2	-1.7
IE	85.5	87.3	86.8	87.8	88.4	88.9	85.7	:	-3.6	-1.1
IT	100.1	101.4	102.0	103.5	100.3	98.1	98.2	97.6	-0.6	-4.9
LU	93.7	100.4	101.5	96.2	107.1	95.4	85.1	:	-10.8	-17.9
NL	93.8	98.1	94.4	96.7	89.7	92.6	90.5	:	-2.3	-4.6
AT	109.8	117.2	107.9	110.0	111.8	111.6	114.8	:	2.9	6.2
PT	98.3	98.6	99.4	100.2	97.0	94.5	96.8	94.9	-2.0	-5.3
FI	102.3	102.7	101.4	99.8	98.4	98.5	100.2	104.7	4.6	5.4
SE	99.0	98.9	99.5	103.4	105.2	104.5	103.6	102.7	-0.9	-1.7
UK	96.6	97.0	96.9	93.7	93.7	96.7	97.0	97.7	0.8	4.9

Table 13: Production index for machinery and equipment

¹ Growth rates based on latest available period for each country; Q/Q-1 on the basis of a seasonally adjusted series; Q/Q-4 on the basis of a working day adjusted series.

➤ ESSENTIAL INFORMATION – METHODOLOGICAL NOTES

The **legal basis** for the production index is the **Council Regulation No 1165/98** of 19 May 1998 concerning short-term statistics¹ (STS-R), which is currently in the process of implementation.

The **production index** is an important business cycle indicator which shows the monthly activity of the industrial sector, which is the one of the most volatile components of the economy.

The coverage of the production index according to the STS-R includes all activities listed in Sections C to E (mining and quarrying, manufacturing, and electricity, gas and water supply) of the NACE Rev. 1² classification, except Division 41 (collection, purification and distribution of water) and Group 40.3 (steam and hot water supply).

Definition

As specified in the STS-R, and in line with traditional practice in business statistics, **the production index should show the evolution of value added at factor cost**, at constant prices. Value added at factor cost can be calculated from turnover (excluding VAT), plus capitalised production, plus other operating income, plus or minus the changes in stocks, minus the purchases of goods and services, minus other taxes on products and taxes linked to production.

This index of production should take account of:

- variations in type and quality of the commodities and of the input materials;
- changes in stocks of finished goods and work in progress;
- changes in technical input-output relations (processing techniques) and;
- services such as the assembling of production units, mounting, installations, repairs, planning, engineering, creation of software.

The observation unit for this index is the kind-of-activity unit, though, for enterprises with few persons employed in secondary activities, the local unit or the enterprise may be used as a proxy.

Data transmission and calculation method

Data should be transmitted to Eurostat for the Main Industrial Groupings (MIGs) and at the 2-digit level of NACE Rev. 1 by all Member States. For Section D (manufacturing), data shall be transmitted at the 3-digit and 4-digit levels by those Member States whose total value added for this Section represents more than 5% of the European Community total. The data are used to produce aggregated indicators for the Community as a whole, and for the group of Member States participating in the euro-zone.

The **reference period** for the production index is a calendar month. **Data should be transmitted to Eurostat no later than 1 month and 15 days** after the end of the reference period. This deadline may, however, be extended by up to 15 calendar days for those Member States whose value added in Sections C, D and E of NACE Rev. 1 in a given base year represents less than 3% of the European Community total.

The **weights** used for the production index are based on information from the Structural Business Statistics database or information coming directly from the Member States. **Eurostat uses gross value added at factor cost to calculate the weights.** Weights and the base year are revised every five years. **The current base year is 2000.**

Member States should transmit a working day adjusted index. They may also transmit seasonally adjusted and trend-cycle indices. If data are not transmitted in these forms, Eurostat produces the adjusted figures.

For **the calculation of** the euro-zone and the EU-15 **seasonally adjusted aggregates**, Eurostat aggregates working day adjusted data from Member States in order to compile a working day adjusted euro-zone and EU-15 series. Seasonally adjusted euro-zone and EU-15 series are then **produced using the TRAMO & SEATS method.** For these reasons, the euro-zone and EU-15 seasonally adjusted growth rates might differ from the weighted growth rates of the individual Member States.

Dissemination

Eurostat publishes detailed data and time series in Theme 4/EBT-domain of NewCronos.

Further information

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¹ Official Journal No L 162, of 5 June 1998. Also available via the "Business Methods" Internet site: <http://forum.europa.eu.int/Public/irc/dsis/bmethods/home>. The deadline for the full implementation of the Regulation regarding the indices is mid-2003.

² NACE Rev. 1 - Statistical classification of economic activities in the European Community, Eurostat, 1996 (ISBN 92-826-8767-8).

Further information:

➤ Reference publications

Title Quarterly Panorama of European Business statistics
 Subscription number VPA000 Price EUR 100

➤ Databases

NewCronos, Theme 4, Domain: ebt (European Business Trends)

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