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

during the final quarter of 2002

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The production index for total industry (excluding construction) in the EU fell by 0.4% in the EU and by 0.2% in the euro-zone¹ in the final quarter of 2002 (on the basis of a comparison with the quarter before).

Compared to the final quarter of 2001, output in the EU's industrial economy rose by 0.6% in the final quarter of 2002; while the corresponding figure for the euro-zone was 1.0% growth. These were the first positive rates since the second quarter of 2001 in both zones.

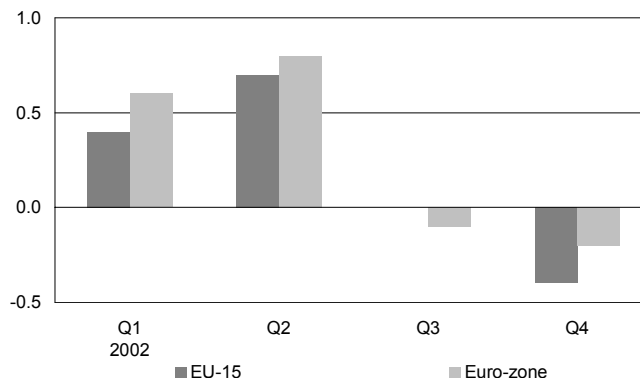


Figure 1: Production index for total industry (excluding construction), seasonally adjusted data, growth rates, compared to the previous quarter (%)

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	
Q1-02	0.4	Q1-02	0.6	Q1-02	-3.1	Q1-02	-2.7
Q2-02	0.7	Q2-02	0.8	Q2-02	-1.0	Q2-02	-0.7
Q3-02	0.0	Q3-02	-0.1	Q3-02	-0.8	Q3-02	-0.5
Q4-02	-0.4	Q4-02	-0.2	Q4-02	0.6	Q4-02	1.0

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



¹ Euro-zone data cover twelve Member States (B, D, EL, E, F, IRL, I, L, NL, A, P and FIN). For an explanation of how growth rates for the euro-zone have been computed, please refer to page 7, methodological notes.

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

The reduction in industrial output recorded in the final quarter of 2002, confirmed the slow down registered in the third quarter of 2002 and reversed gains that had been made in the first half of the year. There were three of the main industrial groupings where output fell in the EU: energy (-0.2%), intermediate goods (-1.3%) and consumer durables (-1.6%). On the other hand, there was quarter on quarter growth of 0.1% in the EU for capital goods, as well as an increase of 0.3% for consumer non-durables.

		Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, working day adjusted data					
		Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02
Total industry (excluding construction)	EU-15	-0.3	-1.8	0.4	0.7	0.0	-0.4	-0.6	-3.8	-3.1	-1.0	-0.8	0.6
	Euro-zone	-0.2	-1.8	0.6	0.8	-0.1	-0.2	-0.2	-3.6	-2.7	-0.7	-0.5	1.0
Total industry (excluding energy & construction)	EU-15	-0.1	-3.1	1.2	0.6	0.2	-1.0	-0.8	-4.9	-3.5	-1.3	-1.0	1.0
	Euro-zone	0.1	-3.2	1.5	0.8	0.2	-1.0	-0.4	-4.7	-3.2	-0.9	-0.8	1.4
Energy	EU-15	0.7	0.7	-1.3	1.6	-1.3	-0.2	0.2	2.4	-0.1	1.8	-0.4	-1.2
	Euro-zone	0.9	1.1	-0.4	0.1	-0.1	-0.3	0.7	3.5	1.2	2.1	0.7	-1.0
Intermediate goods	EU-15	-0.8	-3.3	3.4	0.4	-0.1	-1.3	-2.0	-6.3	-2.5	-0.3	0.6	2.3
	Euro-zone	-0.1	-3.1	2.9	0.6	0.3	-1.2	-1.3	-6.0	-2.0	0.3	0.7	2.7
Capital goods	EU-15	-0.3	-3.1	-0.9	0.7	0.4	0.1	-0.3	-5.5	-7.5	-3.5	-2.7	0.3
	Euro-zone	-0.2	-2.8	-0.6	0.8	0.5	0.2	0.2	-4.9	-6.7	-2.7	-1.8	0.9
Consumer durables	EU-15	-2.0	-2.2	-0.9	-0.8	0.3	-1.6	-3.7	-6.9	-6.5	-5.8	-4.0	-2.9
	Euro-zone	-2.0	-2.7	-0.5	-0.9	0.5	-2.1	-3.6	-7.4	-6.7	-5.8	-3.9	-2.8
Consumer non-durables	EU-15	0.7	-1.5	0.2	0.8	-0.7	0.3	1.1	-1.3	0.1	0.2	-1.2	0.6
	Euro-zone	0.7	-1.7	0.0	1.0	-0.8	0.4	1.3	-1.5	-0.1	0.1	-1.5	0.6

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

Among Member States for which data are available industrial production grew in the final quarter of 2002 only in Greece (+1.2% compared to the quarter before), the Netherlands (+1.1%) and Finland (+0.7%). On the other hand, reductions of more than 0.5% were registered in the final quarter in Portugal (-0.6%), Germany and the United Kingdom (both -0.7%), Belgium (-1.1%) and Ireland (-1.7%).

Between the final quarters of 2001 and 2002, industrial output rose by more than 5% in Ireland (6.5%) and Finland (5.6%), while industrial output continued to decline only in Italy, the United Kingdom, Sweden and Portugal (as well as Luxembourg in the third quarter). In Italy and the United Kingdom output declined for the seventh consecutive quarter using this measure.

	Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, working day adjusted data					
	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02
EU-15	-0.3	-1.8	0.4	0.7	0.0	-0.4	-0.6	-3.8	-3.1	-1.0	-0.8	0.6
Euro-zone	-0.2	-1.8	0.6	0.8	-0.1	-0.2	-0.2	-3.6	-2.7	-0.7	-0.5	1.0
B	1.2	-0.9	1.8	0.8	1.6	-1.1	-1.0	-5.7	-0.9	2.8	3.8	2.9
DK	2.0	-2.0	0.4	1.3	-1.0	-0.2	2.1	-1.4	-3.2	3.9	-1.2	0.5
D	-0.6	-2.4	0.7	0.5	0.7	-0.7	-1.1	-3.7	-3.9	-1.8	-0.4	1.0
EL	2.4	-1.3	-0.4	3.1	-1.2	1.2	1.9	-0.3	-0.5	4.0	0.1	2.6
E	-0.1	-2.0	1.5	-0.2	1.3	-0.5	-0.5	-3.1	-0.6	-0.9	0.6	2.0
F	1.1	-2.4	0.1	0.6	-0.2	-0.1	2.0	-2.7	-1.8	-0.6	-2.1	0.4
IRL	-3.3	2.2	11.1	1.1	-3.5	-1.7	3.4	-2.5	3.4	11.4	10.6	6.5
I	-0.7	-1.6	0.2	-0.7	0.5	-0.4	-1.3	-5.5	-3.4	-2.3	-2.9	-0.3
L	1.5	-0.9	-0.5	4.0	-3.4	:	2.7	1.7	-3.8	4.3	-1.0	:
NL	-1.6	-0.7	-1.3	0.8	-0.3	1.1	1.2	-1.5	-2.9	-2.8	-1.5	0.2
A	0.8	-0.5	0.2	1.6	-1.0	:	0.2	-2.4	-2.1	2.4	0.3	:
P	-0.5	1.4	-1.4	1.6	-1.5	-0.6	0.8	1.8	-1.5	1.7	0.3	-2.3
FIN	2.4	-1.4	-0.9	5.1	0.6	0.7	-2.1	-6.3	-6.0	5.0	3.2	5.6
S	0.3	1.0	0.2	-0.9	-1.0	-0.3	-1.9	-2.3	-1.1	0.5	-0.9	-1.9
UK	-0.9	-2.3	-1.2	0.3	0.3	-0.7	-2.7	-5.7	-5.7	-4.2	-2.3	-1.2

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					
	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02
EU-15	-0.1	-3.1	1.2	0.6	0.2	-1.0	-0.8	-4.9	-3.5	-1.3	-1.0	1.0
Euro-zone	0.1	-3.2	1.5	0.8	0.2	-1.0	-0.4	-4.7	-3.2	-0.9	-0.8	1.4
B	0.4	-2.2	3.5	1.4	-0.1	-1.1	-1.2	-8.0	-1.1	3.4	2.8	3.4
DK	2.4	-1.8	-0.4	1.6	-1.0	0.6	2.2	-1.7	-0.4	1.8	-1.6	0.8
D	-0.9	-1.7	0.3	0.3	0.4	0.1	-0.9	-4.1	-4.2	-2.0	-0.5	1.1
EL	2.3	-1.8	1.0	1.8	-1.0	0.9	2.7	-1.7	-0.4	3.5	-0.2	2.6
E	-0.4	-3.5	2.4	0.4	1.5	-0.9	-1.5	-5.2	-1.7	-1.2	0.7	3.3
F	0.9	-3.0	0.7	0.4	0.0	0.0	1.9	-4.2	-2.4	-0.9	-2.2	1.2
IRL	-1.8	2.1	5.5	6.6	-3.0	:	4.1	-2.1	4.2	13.1	11.2	:
I	0.5	-4.0	0.4	-0.3	-0.2	0.1	-1.7	-7.2	-4.6	-3.4	-4.0	0.0
L	0.0	-0.7	-0.5	4.9	-5.0	2.3	2.5	1.7	-4.3	3.7	-1.5	1.5
NL	-1.9	-1.7	0.1	0.5	-1.9	-1.3	-0.4	-4.0	-3.1	-3.1	-2.9	-2.7
A	0.1	0.0	0.2	2.1	-1.1	:	-0.5	-3.3	-3.1	2.3	1.1	:
P	0.0	1.1	-0.7	1.1	-0.9	-0.8	1.3	1.9	0.2	2.2	0.7	-1.6
FIN	2.5	-1.0	-1.2	5.0	0.2	0.9	-2.6	-6.8	-5.9	5.5	3.1	4.8
S	0.0	0.5	1.2	-1.0	0.3	-1.2	-1.7	-2.4	-0.5	0.6	1.0	-0.9
UK	-1.3	-2.8	-0.5	-0.6	1.1	-0.9	-3.1	-6.9	-6.2	-5.1	-2.8	-0.9

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					
	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02
EU-15	0.7	0.7	-1.3	1.6	-1.3	-0.2	0.2	2.4	-0.1	1.8	-0.4	-1.2
Euro-zone	0.9	1.1	-0.4	0.1	-0.1	-0.3	0.7	3.5	1.2	2.1	0.7	-1.0
B	-0.5	1.9	1.9	0.7	2.1	-0.2	-0.7	0.1	6.0	3.3	8.6	3.1
DK	:	:	:	:	:	:	:	:	:	:	:	:
D	-0.3	0.1	-1.2	2.3	-0.1	0.1	-3.1	0.0	-1.0	0.9	1.0	0.8
EL	3.3	-1.1	-4.3	7.5	-1.6	1.5	1.1	2.3	2.0	5.1	0.1	2.7
E	2.2	1.4	-0.5	-1.2	-0.5	-1.8	4.1	6.7	4.7	1.8	-0.8	-4.0
F	2.0	1.7	-3.6	1.5	-1.4	-0.2	3.1	6.7	1.5	1.4	-1.8	-4.0
IRL	-2.5	0.0	8.8	-10.7	4.7	:	-6.0	-1.9	9.5	-5.3	1.4	:
I	1.3	2.8	-0.6	1.6	-0.5	-1.7	0.6	4.6	3.2	5.5	3.4	-1.7
L	8.8	-0.1	0.7	3.5	0.4	:	6.5	1.9	3.0	14.8	5.9	:
NL	-1.0	2.3	-4.0	0.7	4.2	8.3	8.5	6.9	-2.5	-2.4	4.0	7.8
A	2.8	-0.8	0.8	-0.6	-3.9	:	5.7	3.7	3.7	2.6	-5.7	:
P	-2.8	4.2	-5.1	2.6	-2.4	-1.3	-1.8	1.7	-9.5	-0.3	-0.9	-6.2
FIN	4.0	-4.8	2.1	1.6	2.8	8.1	6.2	-0.1	-4.9	2.7	1.3	15.2
S	5.4	-3.5	-5.0	2.0	-10.0	1.1	-2.7	-1.5	-5.6	-0.9	-18.7	-11.5
UK	0.3	-0.5	-1.0	0.3	-0.4	0.5	-1.2	-0.7	-3.5	1.1	-3.1	-1.2

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					
	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02
EU-15	-0.8	-3.3	3.4	0.4	-0.1	-1.3	-2.0	-6.3	-2.5	-0.3	0.6	2.3
Euro-zone	-0.1	-3.1	2.9	0.6	0.3	-1.2	-1.3	-6.0	-2.0	0.3	0.7	2.7
B	1.6	-3.2	9.8	1.3	-1.1	-1.9	-2.0	-9.0	5.6	9.5	6.5	7.8
DK	1.1	-0.8	0.7	3.4	-2.6	-1.9	-1.3	-4.9	-4.0	7.4	1.2	-0.4
D	-1.2	-2.1	2.0	0.6	0.8	-0.5	-2.2	-5.4	-3.2	-0.8	1.4	2.8
EL	3.5	-1.9	-0.7	3.5	-0.6	-0.1	0.8	-1.6	0.2	4.3	0.1	2.0
E	0.6	-4.1	4.0	0.0	1.3	-0.3	-1.1	-4.6	-0.3	0.4	1.1	5.0
F	0.5	-4.2	1.3	0.4	-0.4	-0.8	0.2	-6.1	-3.1	-1.8	-2.8	-0.1
IRL	-2.7	10.5	14.7	-0.4	-3.7	:	6.8	2.7	17.3	23.4	20.7	:
I	0.2	-4.6	0.7	0.6	0.2	-0.8	-2.7	-9.3	-4.6	-2.9	-3.7	0.7
L	0.0	-1.3	-0.8	5.5	-5.2	:	-0.1	2.1	-6.1	3.4	-2.0	:
NL	-0.5	-2.7	1.1	1.3	-0.8	-1.8	1.3	-3.5	-3.1	-1.0	-1.1	-0.3
A	-0.5	-1.7	2.0	1.6	0.1	:	-0.3	-6.3	-3.3	1.4	2.0	:
P	0.4	0.5	1.7	3.4	-3.4	-1.9	3.3	3.1	4.3	6.7	2.2	-0.6
FIN	-2.0	-3.6	3.6	2.8	1.8	-0.2	-6.4	-11.2	-5.4	0.4	4.7	8.0
S	-1.6	1.4	-0.9	-0.3	1.9	-1.9	-1.6	-1.8	-1.5	-1.4	2.4	-1.2
UK	-2.6	-2.7	0.6	-0.5	1.8	-1.0	-7.0	-10.2	-6.0	-5.1	-0.6	0.9

Table 6: Production index for intermediate goods, 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					
	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02
EU-15	-0.3	-3.1	-0.9	0.7	0.4	0.1	-0.3	-5.5	-7.5	-3.5	-2.7	0.3
Euro-zone	-0.2	-2.8	-0.6	0.8	0.5	0.2	0.2	-4.9	-6.7	-2.7	-1.8	0.9
B	-2.3	-4.7	-2.9	-2.3	1.8	-2.2	1.6	-10.8	-20.5	-11.9	-7.6	-5.6
DK	1.7	-2.5	0.2	1.8	1.9	0.7	8.2	3.7	-3.1	3.6	1.2	4.6
D	-0.2	-3.1	-0.1	0.4	1.4	-0.5	0.2	-3.3	-6.3	-3.1	-1.5	0.9
EL	-3.8	5.6	-13.6	9.7	-1.2	3.1	-4.1	0.8	-22.7	-3.7	-1.2	-3.3
E	-2.4	-7.2	0.4	-0.9	1.1	1.0	-1.7	-13.4	-10.3	-9.9	-6.3	1.7
F	1.8	-2.3	-0.4	1.7	0.5	0.2	4.4	-3.3	-2.7	1.4	-1.4	2.5
IRL	-9.1	-11.0	1.2	2.5	5.1	:	-6.9	-19.1	-24.4	-15.7	-2.9	:
I	-1.6	-2.6	0.5	-1.2	0.7	-0.1	-3.9	-7.2	-5.7	-5.0	-2.4	-0.1
L	-0.1	-0.2	-1.9	1.1	-1.8	:	15.2	-8.6	-3.3	-1.1	-2.8	:
NL	-3.9	0.1	-3.1	1.2	-4.3	2.6	-0.6	-5.0	-5.5	-5.7	-6.3	-3.7
A	0.8	1.5	-2.0	3.0	0.0	:	-0.7	-0.8	-5.7	3.3	2.5	:
P	2.4	-2.2	-3.6	1.1	-2.3	-1.6	2.5	2.2	-4.6	-2.2	-6.6	-6.4
FIN	9.7	1.7	-5.5	10.9	-0.7	0.2	2.3	-2.3	-5.6	16.2	4.8	4.4
S	0.9	2.0	1.4	-0.8	-3.0	1.4	-3.6	-3.2	-1.1	3.4	-0.9	-1.2
UK	-0.9	-6.3	-4.1	-1.3	2.2	-1.1	-3.5	-11.7	-15.6	-12.1	-9.4	-4.3

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					
	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02
EU-15	-2.0	-2.2	-0.9	-0.8	0.3	-1.6	-3.7	-6.9	-6.5	-5.8	-4.0	-2.9
Euro-zone	-2.0	-2.7	-0.5	-0.9	0.5	-2.1	-3.6	-7.4	-6.7	-5.8	-3.9	-2.8
B	1.0	-2.9	-0.5	-0.2	-4.2	-2.1	1.1	-6.5	-2.0	0.5	-9.8	-8.3
DK	-0.7	-10.1	1.2	-4.6	-1.3	0.7	-8.8	-16.1	-14.0	-11.8	-15.0	-3.8
D	-1.4	-4.1	-2.3	-2.6	0.8	-1.1	0.0	-3.4	-7.5	-10.0	-7.4	-5.0
EL	-1.3	-2.7	-6.3	-3.1	-1.9	-5.0	0.7	-6.0	-15.0	-13.5	-10.8	-16.2
E	1.9	3.1	2.0	-0.2	0.5	-1.7	-6.7	-2.2	4.8	7.0	5.7	0.3
F	0.2	-4.0	-1.5	1.2	1.7	-0.2	-2.1	-8.5	-10.1	-4.2	-1.9	0.9
IRL	-4.9	0.5	0.3	-8.7	0.0	:	-13.8	-10.7	-9.8	-12.5	-8.0	:
I	-1.8	-2.0	1.7	-0.7	1.9	-1.5	-6.9	-11.0	-3.9	-2.9	0.9	1.3
L	:	:	:	:	:	:	:	:	:	:	:	:
NL	-15.1	0.2	-0.1	3.2	-9.2	-0.7	-10.6	-16.5	-14.3	-12.3	-5.9	-7.1
A	0.7	0.9	-1.3	-3.6	-4.0	:	-4.2	-4.4	-6.3	-3.2	-8.0	:
P	-2.5	1.2	-1.7	0.8	-2.1	0.8	-2.5	-0.7	-3.0	-2.0	-2.3	-2.0
FIN	-3.9	-15.5	-3.6	4.4	-3.1	-9.1	-4.6	-20.9	-23.3	-17.2	-18.0	-11.1
S	-3.9	2.3	-7.3	0.7	0.5	-5.2	-11.0	-10.5	-12.8	-7.9	-4.8	-10.0
UK	-1.9	0.4	-1.1	-0.9	0.1	0.5	-1.3	0.0	-2.2	-3.6	-1.6	-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					
	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02
EU-15	0.7	-1.5	0.2	0.8	-0.7	0.3	1.1	-1.3	0.1	0.2	-1.2	0.6
Euro-zone	0.7	-1.7	0.0	1.0	-0.8	0.4	1.3	-1.5	-0.1	0.1	-1.5	0.6
B	0.4	-0.5	1.4	0.4	1.7	-0.1	1.1	-1.8	1.7	1.6	3.0	3.3
DK	3.4	-1.0	0.1	0.5	-1.6	0.2	3.4	1.4	-0.4	4.6	-1.9	-0.6
D	0.2	-2.4	1.7	0.2	-0.6	-2.1	-0.9	-2.9	-0.5	-0.2	-1.1	-0.9
EL	2.2	0.3	1.8	1.4	0.8	2.1	6.2	3.6	7.5	7.2	1.0	8.2
E	0.2	0.2	0.3	2.0	1.7	-1.1	-1.0	0.4	2.4	2.7	4.6	2.7
F	0.5	-1.9	1.7	-1.5	-0.2	1.2	2.4	-1.2	0.7	-1.8	-2.2	1.6
IRL	10.1	2.7	1.9	9.0	-6.7	:	15.3	9.5	11.9	25.6	6.4	:
I	1.1	-3.3	-1.1	0.2	-2.2	1.8	3.1	-3.1	-3.6	-2.9	-6.8	-1.2
L	0.1	-1.2	3.8	4.6	-5.1	:	5.9	6.9	0.5	7.4	1.8	:
NL	-0.4	-1.6	0.3	0.0	-0.7	-2.6	1.0	-0.5	0.5	-1.8	-2.0	-2.9
A	2.5	-2.1	1.3	2.1	-1.7	:	0.4	-1.2	2.3	4.0	-0.6	:
P	-1.8	3.2	-2.7	-1.1	2.2	1.7	-1.2	0.6	-3.1	-1.9	1.7	-0.9
FIN	-1.7	-2.8	0.3	0.3	-1.1	-0.5	-3.2	-5.8	-5.5	-3.7	-3.2	-1.0
S	0.3	-0.4	5.6	-4.2	1.6	0.2	3.5	0.2	6.0	1.2	2.5	2.3
UK	0.0	-0.7	0.2	0.4	-0.4	-0.1	-0.6	-1.0	0.0	-0.2	-0.6	0.0

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 (1995=100)								Latest growth rates (1)		
		Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q/Q-1(%)	Q/Q-4(%)	
Total industry (excluding construction)	C-E	100.0	117.8	116.1	115.7	113.7	114.1	114.9	114.8	114.4	-0.4	0.6
Total industry (excluding energy & construction)		86.8	119.3	117.4	117.3	113.7	115.1	115.8	116.1	114.9	-1.0	1.0
Energy		13.2	107.2	107.1	107.9	108.6	107.1	108.9	107.4	107.2	-0.2	-1.2
Intermediate goods		35.2	116.9	115.2	114.3	110.5	114.3	114.8	114.7	113.1	-1.3	2.3
Capital goods		24.7	133.9	129.3	129.0	125.0	123.9	124.8	125.3	125.4	0.1	0.3
Durable consumer goods		4.2	115.9	114.1	111.8	109.3	108.3	107.4	107.7	106.0	-1.6	-2.9
Non-durable consumer goods		22.6	106.4	107.1	107.8	106.2	106.5	107.3	106.5	106.8	0.3	0.6
Mining of coal and lignite	10	0.7	68.5	68.6	66.0	67.8	66.5	67.3	67.1	66.3	-1.2	-2.1
Extraction of crude petroleum and natural gas	11	1.8	105.1	104.5	105.4	104.2	102.9	105.8	102.2	103.6	1.4	-0.6
Mining of metal ores	13	0.1	81.4	77.9	77.9	73.4	73.6	74.4	77.1	76.2	-1.3	3.7
Other non-metallic mining	14	0.7	108.6	110.1	110.1	107.2	110.7	107.7	107.0	107.8	0.7	0.5
Food and beverages	15	9.7	107.0	108.7	109.9	108.4	110.1	110.6	110.7	109.9	-0.7	1.4
Tobacco	16	0.5	93.5	90.0	91.2	86.2	88.2	87.7	86.1	86.2	0.2	-0.2
Textiles	17	2.6	94.1	92.6	92.2	87.8	88.0	88.0	86.0	84.5	-1.8	-3.8
Clothing	18	1.8	77.6	75.9	75.3	72.8	70.0	67.6	65.0	63.9	-1.6	-12.1
Leather products	19	0.9	88.4	86.7	84.6	81.7	80.3	79.1	78.0	75.3	-3.5	-7.9
Wood products	20	1.7	108.0	106.6	106.2	103.8	105.0	107.1	106.7	108.4	1.6	4.4
Pulp & paper	21	2.9	109.0	107.9	108.3	107.1	109.6	111.2	111.8	112.6	0.7	5.1
Publishing & printing	22	5.1	116.8	115.3	114.3	112.2	111.9	112.0	111.7	112.4	0.6	0.2
Refined petroleum products	23	1.2	98.9	96.0	98.7	98.6	97.9	97.1	95.5	93.2	-2.4	-5.3
Chemicals	24	9.5	126.6	127.3	127.1	127.5	134.0	135.5	134.5	135.3	0.6	6.2
Rubber & plastics	25	4.0	118.2	116.2	116.4	112.6	116.0	116.9	116.4	115.1	-1.1	2.2
Non-metallic minerals	26	4.1	107.1	105.9	105.2	104.2	103.5	102.7	102.2	102.8	0.6	-1.3
Basic metals	27	4.0	109.0	106.8	105.3	102.1	103.8	106.0	106.2	106.0	-0.1	4.4
Metal products	28	7.3	117.3	116.2	115.5	112.3	113.0	113.1	114.0	112.4	-1.4	0.0
Machinery	29	9.4	114.3	112.8	113.1	110.4	109.8	110.2	110.6	111.1	0.5	0.6
Office machinery	30	1.2	201.6	185.2	171.8	161.1	157.8	152.2	147.0	145.0	-1.4	-9.9
Electrical machinery	31	4.3	129.3	125.8	124.0	116.9	117.4	118.4	119.9	116.0	-3.2	-0.7
Radio, TV and communications	32	2.6	177.3	159.7	154.6	148.8	140.8	144.3	143.2	139.0	-2.9	-6.6
Medical and optical instruments	33	2.4	129.1	128.8	129.6	127.9	128.5	129.1	129.5	131.1	1.3	2.7
Motor vehicles	34	6.8	144.5	139.9	140.6	137.1	137.2	139.6	142.6	143.0	0.2	4.2
Other transport equipment	35	2.0	119.7	116.7	117.7	112.2	110.4	111.0	110.5	113.3	2.6	1.5
Furniture & other manufacturing	36	2.9	108.5	106.8	105.9	104.4	103.3	102.2	100.6	99.2	-1.4	-4.9
Electricity, gas and hot water supply	40	8.7	112.8	113.7	115.4	115.7	113.7	116.1	115.7	114.3	-1.2	-1.2
Water	41	0.9	98.6	99.7	99.0	98.9	99.8	99.0	98.0	97.9	-0.1	-1.0

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

¹ 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 (1995=100)								Latest growth rates (1)	
	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q/Q-1(%)	Q/Q-4(%)
EU-15	107.0	108.7	109.9	108.4	110.1	110.6	110.7	109.9	-0.7	1.4
Euro-zone	108.6	110.2	111.5	109.9	111.7	112.3	112.2	111.5	-0.6	1.5
B	113.4	112.5	115.0	114.9	116.4	117.2	117.7	118.9	1.0	2.5
DK	105.3	102.3	106.5	103.7	106.3	107.7	106.6	107.4	0.8	3.5
D	105.3	106.9	107.2	107.0	107.8	107.7	109.1	107.1	-1.8	-1.0
EL	118.0	119.6	120.6	119.7	120.6	121.5	122.4	126.0	2.9	7.4
E	106.5	113.5	113.0	109.1	107.6	117.6	117.6	112.7	-4.2	3.3
F	107.9	109.5	109.3	107.6	110.5	109.3	109.2	110.6	1.3	2.8
IRL	119.5	116.8	133.7	134.0	134.6	132.2	127.9	:	-3.2	-4.3
I	109.9	109.8	112.6	110.7	112.3	113.5	111.0	115.1	3.7	3.9
L	97.8	95.9	93.9	92.8	98.8	100.9	92.9	:	-7.9	-1.1
NL	107.7	109.9	108.5	105.7	108.7	107.9	108.8	:	0.8	0.3
A	119.6	120.6	121.0	121.7	123.7	123.4	124.8	:	1.1	3.6
P	115.8	115.7	115.0	125.6	119.3	120.5	121.8	129.3	6.2	0.1
FIN	111.5	111.6	113.5	111.3	114.2	114.3	113.0	114.2	1.1	2.6
S	106.9	108.8	108.2	106.5	109.1	103.1	106.3	103.1	-3.0	-3.2
UK	103.4	104.2	104.6	104.4	105.5	105.9	105.9	106.1	0.2	1.4

Table 11: Production index for food products and beverages (1995=100)

	Seasonally adjusted index (1995=100)								Latest growth rates (1)	
	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q/Q-1(%)	Q/Q-4(%)
EU-15	126.6	127.3	127.1	127.5	134.0	135.5	134.5	135.3	0.6	6.2
Euro-zone	127.3	128.3	127.6	128.3	135.7	137.5	136.0	137.2	0.9	7.1
B	136.7	136.0	134.3	132.7	148.9	154.1	154.2	149.2	-3.3	12.4
DK	170.4	176.1	179.8	177.1	180.4	189.0	181.5	190.9	5.2	7.8
D	118.1	117.4	116.9	114.2	125.4	122.3	125.3	123.6	-1.4	8.1
EL	132.1	132.9	144.6	152.5	145.6	153.1	156.0	160.2	2.7	5.3
E	116.2	113.3	115.2	113.0	117.4	118.3	121.3	122.3	0.9	8.3
F	122.4	122.6	124.7	122.5	124.8	124.0	124.9	123.8	-0.8	1.0
IRL	395.1	391.1	384.2	448.7	502.0	521.8	492.6	:	-5.6	27.0
I	104.6	106.7	105.4	100.9	103.9	105.0	105.6	106.1	0.5	5.2
L	174.1	182.5	198.4	217.2	180.4	233.2	203.0	:	-12.9	2.3
NL	118.0	119.9	121.2	118.7	119.6	127.8	123.6	124.2	0.5	4.8
A	135.5	135.0	138.6	136.1	143.6	147.4	146.1	:	-0.9	5.4
P	108.8	104.0	107.7	109.4	109.7	113.4	116.3	115.2	-1.0	5.7
FIN	126.9	124.2	119.3	119.9	120.9	118.3	123.7	120.5	-2.6	0.3
S	145.2	144.8	147.3	146.4	156.7	153.8	153.5	157.3	2.5	6.8
UK	113.9	115.2	117.1	117.1	117.3	117.2	118.2	117.8	-0.4	0.6

Table 12: Production index for chemicals and chemical products (1995=100)

	Seasonally adjusted index (1995=100)								Latest growth rates (1)	
	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02	Q3-02	Q4-02	Q/Q-1(%)	Q/Q-4(%)
EU-15	114.3	112.8	113.1	110.4	109.8	110.2	110.6	111.1	0.5	0.6
Euro-zone	118.3	116.9	117.2	115.0	114.0	114.4	114.7	115.9	1.0	0.8
B	103.1	100.4	101.0	101.3	104.7	107.6	110.7	110.5	-0.1	7.8
DK	108.1	110.0	110.0	108.9	108.8	110.2	110.4	110.2	-0.2	1.0
D	120.5	117.9	118.8	115.9	114.5	112.7	114.4	114.9	0.4	-1.1
EL	132.5	116.5	122.4	115.5	119.7	120.8	126.7	118.4	-6.6	2.5
E	121.5	125.9	131.4	125.3	124.1	121.2	120.3	123.3	2.5	-1.4
F	115.9	111.1	112.1	109.7	108.5	112.1	109.3	107.9	-1.3	-1.6
IRL	104.6	99.0	98.3	81.5	87.7	93.4	91.3	:	-2.2	-7.3
I	111.7	109.6	109.8	105.1	107.6	106.9	110.4	112.9	2.3	7.5
L	123.0	123.8	125.2	123.9	117.1	120.2	119.2	:	-0.8	-4.9
NL	127.9	128.5	125.3	124.6	122.2	120.9	119.1	:	-1.4	-5.1
A	148.7	146.0	154.6	162.0	167.6	178.5	176.8	:	-0.9	13.6
P	101.3	100.3	100.5	101.7	100.0	100.4	102.2	103.0	0.7	1.3
FIN	123.7	127.2	131.8	130.1	121.0	121.5	119.8	118.4	-1.2	-9.3
S	94.1	90.4	92.1	88.5	93.4	93.2	93.0	97.2	4.5	8.2
UK	93.5	92.5	91.1	87.2	85.8	85.8	86.4	83.9	-2.8	-4.3

Table 13: Production index for machinery and equipment (1995=100)

¹ 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

Growth rates for the euro-zone are shown with the euro-zone treated as a single entity. As such, growth rates from the first quarter of 2001 onwards compare on the basis of twelve countries.

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 1995.**

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
 Subscription code VPA000 Price EUR 100

➤ Databases

NewCronos, Theme 4
 Domain EBT (European Business Trends)

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