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

during the second quarter of 2002

Carmen Lipp-Lingua

There was confirmation of a return to positive rates of growth in the EU's industrial economy (excluding construction) in the second quarter of 2002. The EU's production index rose by 0.7% (compared to the quarter before) and that of the euro-zone¹ by 0.4%. These figures marked the second successive quarter on quarter gains for industrial output, after negative rates throughout the whole of 2001.

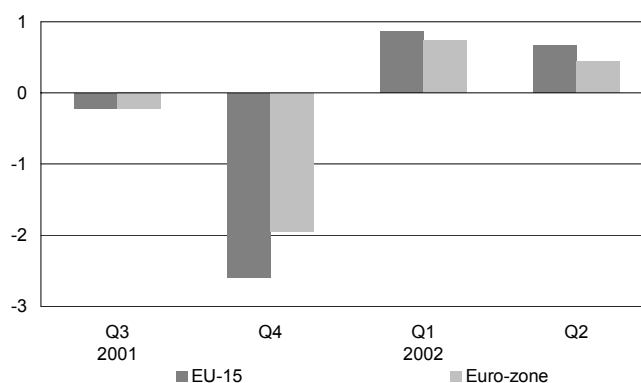


Figure 1: Production index for total industry (excluding construction), seasonally adjusted data, growth rates, compared to the previous quarter (%)

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	
Q3-01	-0.2	Q3-01	-0.2	Q3-01	-0.7	Q3-01	-0.4
Q4-01	-2.6	Q4-01	-1.9	Q4-01	-4.0	Q4-01	-3.8
Q1-02	0.9	Q1-02	0.7	Q1-02	-3.0	Q1-02	-2.6
Q2-02	0.7	Q2-02	0.4	Q2-02	-1.3	Q2-02	-1.0

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



¹ Euro-zone data up to the end of 2000 cover eleven Member States (B, D, E, F, IRL, I, L, NL, A, P and FIN); with Greece's entry into the euro-zone from the beginning of 2001, they cover twelve Member States. The euro-zone is treated as an entity regardless of its composition. 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)

There were positive quarter on quarter growth for all of the main industrial groupings (MIGs), apart from consumer durables, where output fell by 0.9% in the EU and by 1.0% in the euro-zone between the first and second quarters of 2002 - marking the sixth consecutive quarter of declining output for this MIG.

Quarter on quarter increases in output were strongest in the energy sector - with a considerably higher rate of growth in the EU (1.3%) than in the euro-zone (0.5%). There were also increases in the output of intermediate goods and consumer non-durables, whilst there was little (EU, +0.1%) or no change (euro-zone) in the level of production for capital goods.

		Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, working day adjusted data					
		Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02
Total industry (excluding construction)	EU-15	-0.3	-1.2	-0.2	-2.6	0.9	0.7	4.1	0.4	-0.7	-4.0	-3.0	-1.3
	Euro-zone	-0.6	-1.2	-0.2	-1.9	0.7	0.4	4.4	0.9	-0.4	-3.8	-2.6	-1.0
Total industry (excluding energy & construction)	EU-15	-0.2	-1.4	0.0	-3.6	1.4	0.5	4.7	0.4	-0.8	-5.0	-3.5	-1.8
	Euro-zone	-0.1	-1.3	0.2	-3.8	1.6	0.7	5.1	0.8	-0.5	-4.8	-3.2	-1.4
Energy	EU-15	1.3	0.1	0.6	0.0	-0.1	1.3	-0.9	-0.1	0.0	1.8	0.5	1.9
	Euro-zone	1.2	0.1	0.3	1.1	0.3	0.5	-0.7	0.9	0.5	2.7	1.7	2.4
Intermediate goods	EU-15	-0.8	-1.4	-0.6	-3.9	3.4	0.6	3.1	-0.3	-2.1	-6.5	-2.5	-0.5
	Euro-zone	-1.1	-1.6	0.0	-3.5	3.2	0.4	3.7	0.3	-1.4	-6.1	-2.0	0.0
Capital goods	EU-15	1.1	-3.3	-0.4	-2.9	-1.0	0.1	8.6	1.4	-0.4	-5.7	-7.5	-4.2
	Euro-zone	1.2	-2.9	-0.2	-2.7	-0.7	0.0	8.7	1.8	0.1	-4.9	-6.5	-3.6
Consumer durables	EU-15	-1.7	-1.6	-1.9	-2.6	-1.0	-0.9	2.6	-1.8	-3.8	-7.1	-6.9	-6.2
	Euro-zone	-1.9	-1.7	-1.8	-3.0	-0.9	-1.0	3.0	-1.9	-3.9	-7.6	-7.3	-6.4
Consumer non-durables	EU-15	-1.3	0.8	0.8	-1.5	0.5	0.4	2.9	0.9	1.4	-1.2	0.6	0.1
	Euro-zone	-1.8	0.9	0.7	-1.8	0.1	0.7	3.1	1.0	1.1	-1.9	0.0	-0.2

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

Between the second quarters of 2001 and 2002, total industrial production fell in the five largest economies of the EU: France (-0.4%), Spain (-0.8%), Italy (-2.3%), Germany (-2.5%) and the United Kingdom (-4.5%), whilst rising in all of the other Member States, except for the Netherlands (-3.2%) - note there was no data available for Luxembourg, Austria or Sweden (where rates in the first quarter of 2002 had all been negative).

	Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, working day adjusted data					
	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02
EU-15	-0.3	-1.2	-0.2	-2.6	0.9	0.7	4.1	0.4	-0.7	-4.0	-3.0	-1.3
Euro-zone	-0.6	-1.2	-0.2	-1.9	0.7	0.4	4.4	0.9	-0.4	-3.8	-2.6	-1.0
B	-0.5	-4.1	1.4	-1.3	0.9	-1.1	5.3	-1.1	-1.8	-6.2	-2.9	0.5
DK	-0.9	-0.6	1.8	-2.2	0.7	1.8	5.5	0.8	2.0	-1.3	-3.3	4.0
D	1.1	-1.9	-0.6	-2.3	0.8	-0.4	5.9	1.4	-1.1	-3.7	-3.9	-2.5
EL	-0.3	-0.8	2.0	-1.1	-0.3	2.9	1.6	0.7	1.9	-0.3	-0.4	3.6
E	-1.1	0.1	0.2	-2.3	1.6	-0.3	-0.7	-1.1	-0.5	-3.1	-0.4	-0.8
F	-0.3	-0.6	0.7	-1.7	0.4	0.6	2.4	1.9	2.0	-2.8	-1.1	-0.4
IRL	3.4	-2.3	-6.3	3.1	11.2	-1.9	31.4	11.9	3.4	-2.5	5.3	6.2
I	-0.6	-1.5	-0.6	-1.7	0.2	-0.7	2.8	-0.8	-1.3	-5.5	-3.4	-2.3
L	6.6	-4.5	-0.3	0.3	0.9	:	6.4	2.1	2.7	1.7	-3.8	:
NL	-1.7	0.2	-1.2	-0.9	-1.8	1.0	1.4	0.3	-1.2	-3.4	-3.6	-3.2
A	-0.7	-2.6	0.7	-0.9	1.4	:	5.8	-0.9	-0.1	-3.6	-1.4	:
P	-0.7	1.8	-0.1	-0.7	0.7	0.2	2.3	5.3	2.0	0.0	1.5	0.1
FIN	-2.3	-5.6	2.3	-1.3	-2.6	5.8	7.8	-2.4	-2.2	-6.4	-7.3	4.0
S	-1.2	-3.1	-0.2	0.8	0.2	:	5.6	-2.5	-2.5	-3.3	-2.2	:
UK	-0.5	-1.2	-1.0	-2.4	-1.2	0.2	1.5	-1.6	-2.6	-5.6	-5.7	-4.5

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					
	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02
EU-15	-0.2	-1.4	0.0	-3.6	1.4	0.5	4.7	0.4	-0.8	-5.0	-3.5	-1.8
Euro-zone	-0.1	-1.3	0.2	-3.8	1.6	0.7	5.1	0.8	-0.5	-4.8	-3.2	-1.4
B	-1.0	-3.7	-0.2	-2.7	2.8	0.4	7.0	-0.7	-1.3	-7.8	-3.7	0.3
DK	-1.8	-0.4	2.2	-1.7	-0.3	1.6	4.1	0.9	2.2	-1.7	-0.3	1.8
D	0.6	-1.8	-0.8	-1.7	0.0	-0.3	6.8	1.5	-0.9	-4.1	-4.2	-2.8
EL	0.3	-2.1	2.0	-1.7	0.7	2.1	5.6	0.4	2.5	-1.7	-1.3	3.1
E	-1.5	0.0	-0.3	-3.7	2.5	0.4	-0.7	-1.5	-1.5	-5.2	-1.5	-1.2
F	-0.4	-0.8	0.4	-2.1	0.6	0.7	2.9	2.1	2.0	-4.0	-1.9	-0.9
IRL	-1.1	-0.2	-3.0	2.4	7.1	:	32.1	11.7	4.1	-2.1	6.2	:
I	-2.4	-1.5	0.5	-4.0	0.4	-0.3	3.3	-0.9	-1.7	-7.2	-4.6	-3.4
L	5.9	-3.1	-0.6	-0.3	-0.3	5.2	6.9	2.5	2.5	1.7	-4.3	4.0
NL	-2.8	0.0	-1.3	-2.1	-0.3	0.8	1.3	-1.0	-2.6	-6.1	-3.7	-3.1
A	-0.3	-3.7	0.5	-0.3	0.8	:	6.4	-1.7	-0.7	-3.7	-2.6	:
P	-0.3	1.1	-0.4	-0.4	0.6	-0.2	1.0	4.0	1.6	-1.5	1.3	-0.4
FIN	-1.1	-8.0	2.5	-0.2	-0.3	2.4	7.6	-2.7	-2.7	-6.8	-7.3	4.3
S	-0.8	-1.7	-0.4	-0.4	0.6	:	6.1	-2.3	-2.3	-3.3	-1.8	:
UK	-0.9	-2.2	-1.2	-3.0	-0.3	-1.1	1.8	-1.5	-3.0	-7.2	-6.5	-5.5

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					
	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02
EU-15	1.3	0.1	0.6	0.0	-0.1	1.3	-0.9	-0.1	0.0	1.8	0.5	1.9
Euro-zone	1.2	0.1	0.3	1.1	0.3	0.5	-0.7	0.9	0.5	2.7	1.7	2.4
B	-1.4	-0.6	-0.4	0.1	0.7	0.3	-3.7	-4.0	-4.4	-3.6	1.9	1.3
DK	:	:	:	:	:	:	:	:	:	:	:	:
D	-0.3	0.5	-0.3	0.1	-1.2	2.5	-3.0	0.1	-3.1	0.0	-1.0	1.1
EL	-3.9	4.5	3.1	-1.2	-4.1	7.7	-5.9	1.6	1.1	2.3	2.0	5.1
E	1.7	1.8	2.0	1.0	-0.1	-0.7	-0.6	1.5	4.1	6.7	4.7	2.0
F	0.5	0.6	2.5	0.6	-0.5	0.1	0.4	0.9	2.8	4.8	3.0	2.7
IRL	-1.8	3.4	-4.3	1.0	8.7	:	2.5	6.1	-6.0	-1.9	8.6	:
I	1.4	-0.5	1.3	2.4	0.3	1.1	-0.4	-0.7	0.6	4.6	3.2	5.5
L	-0.8	-2.7	7.9	-2.1	0.4	:	-0.3	-4.7	6.5	1.9	3.0	:
NL	4.6	0.5	-1.2	1.8	-4.7	:	1.9	5.6	5.3	5.0	-3.1	:
A	-1.2	1.6	0.0	-2.0	5.3	:	2.2	5.2	5.2	-2.7	5.5	:
P	3.4	2.7	-3.0	3.9	-1.3	2.8	8.5	12.4	3.0	7.1	2.0	2.3
FIN	7.2	-8.1	5.0	-3.3	1.9	-0.2	9.1	0.1	6.1	-0.2	-4.5	3.6
S	0.4	-3.8	5.4	-3.5	-3.5	:	0.5	-2.7	-2.7	-1.5	-4.9	:
UK	1.3	-0.9	0.1	-1.1	-0.9	1.9	-1.7	-3.2	-1.3	-0.6	-2.9	0.1

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					
	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02
EU-15	-0.8	-1.4	-0.6	-3.9	3.4	0.6	3.1	-0.3	-2.1	-6.5	-2.5	-0.5
Euro-zone	-1.1	-1.6	0.0	-3.5	3.2	0.4	3.7	0.3	-1.4	-6.1	-2.0	0.0
B	-1.6	-3.3	0.8	-5.7	11.3	1.0	4.9	-1.7	-2.2	-9.5	2.5	6.9
DK	-3.7	-1.3	1.0	-1.4	0.9	2.4	-0.3	-3.9	-1.4	-4.8	-3.9	5.5
D	-0.2	-2.2	-1.2	-2.0	2.2	-0.5	4.7	0.5	-2.1	-5.4	-3.2	-1.6
EL	-2.4	-0.6	3.2	-1.9	-0.4	3.5	-1.5	-0.2	0.8	-1.8	0.2	4.4
E	-0.6	-0.6	0.7	-4.2	4.1	0.2	-1.1	-2.7	-1.1	-4.6	-0.2	0.6
F	-1.2	-1.1	0.0	-2.7	1.0	0.8	2.0	1.2	0.0	-6.2	-2.9	-1.8
IRL	0.3	-1.6	-8.3	13.8	17.6	:	40.2	16.7	6.8	2.7	20.8	:
I	-4.2	-1.0	0.3	-4.7	0.7	0.7	1.6	-1.9	-2.7	-9.3	-4.6	-2.9
L	7.8	-3.8	-0.7	-0.8	-0.9	:	5.0	1.0	-0.1	2.1	-6.1	:
NL	-2.4	-1.4	0.0	-3.0	2.2	1.2	-0.1	-0.4	-2.1	-6.6	-2.2	0.0
A	-0.7	-3.8	1.0	-1.6	1.0	:	7.8	1.2	0.9	-5.1	-3.4	:
P	-0.7	4.3	2.5	-1.1	-0.9	3.2	1.3	6.5	6.7	4.9	4.8	3.5
FIN	-3.0	-3.6	-1.5	-3.9	2.8	3.3	1.8	-1.1	-6.6	-11.3	-6.3	0.4
S	-1.4	-0.7	-0.9	0.8	-1.2	:	2.8	-1.8	-1.6	-1.9	-1.8	:
UK	-3.4	-2.3	-1.9	-3.6	1.1	-0.8	-1.4	-4.2	-7.1	-11.0	-6.4	-5.0

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					
	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02
EU-15	1.1	-3.3	-0.4	-2.9	-1.0	0.1	8.6	1.4	-0.4	-5.7	-7.5	-4.2
Euro-zone	1.2	-2.9	-0.2	-2.7	-0.7	0.0	8.7	1.8	0.1	-4.9	-6.5	-3.6
B	9.6	-11.1	-2.1	-4.3	-4.9	-4.8	18.9	2.1	1.6	-8.3	-20.9	-15.5
DK	3.7	0.2	2.5	-3.5	0.6	1.4	14.2	10.7	8.1	3.7	-3.1	3.1
D	3.3	-3.0	-0.2	-3.1	-0.1	-0.5	11.2	3.6	0.2	-3.4	-6.3	-3.9
EL	9.1	-9.9	-3.2	5.1	-14.6	7.7	28.3	-2.4	-2.9	0.1	-21.7	-6.4
E	-3.2	-1.1	-2.1	-6.8	0.3	-1.9	1.6	-0.5	-1.7	-13.4	-9.6	-10.2
F	0.1	-0.6	1.2	-1.9	-0.2	1.3	3.5	2.5	5.1	-2.8	-1.5	0.7
IRL	8.5	-5.4	-8.2	-14.1	-0.3	:	39.3	12.1	-6.9	-19.1	-25.1	:
I	-0.8	-2.4	-1.2	-2.7	0.3	-1.4	4.3	-1.4	-3.9	-7.2	-5.7	-5.0
L	-7.5	-1.2	0.5	-0.5	-2.0	:	13.8	2.4	15.2	-8.6	-3.3	:
NL	-3.3	1.1	-3.6	-0.3	-2.4	0.9	0.9	0.0	-1.9	-6.3	-5.2	-5.4
A	1.6	-6.3	0.5	0.9	-0.6	:	9.0	-5.6	-3.2	-3.3	-5.2	:
P	-1.1	-1.9	1.6	-3.6	-1.0	-2.0	1.8	11.6	-2.9	-4.9	-4.8	-4.6
FIN	-3.6	-9.2	9.2	1.1	-8.1	12.0	16.5	-6.0	2.4	-2.4	-7.7	12.9
S	-1.1	-6.4	-0.7	2.2	0.5	:	8.6	-4.2	-5.2	-5.6	-4.4	:
UK	0.3	-5.8	-1.6	-5.9	-3.5	-1.8	7.2	-0.5	-3.5	-12.3	-15.6	-12.3

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					
	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02
EU-15	-1.7	-1.6	-1.9	-2.6	-1.0	-0.9	2.6	-1.8	-3.8	-7.1	-6.9	-6.2
Euro-zone	-1.9	-1.7	-1.8	-3.0	-0.9	-1.0	3.0	-1.9	-3.9	-7.6	-7.3	-6.4
B	-1.1	1.5	-1.3	-7.0	1.5	4.5	0.3	2.1	1.1	-7.2	-5.3	-2.6
DK	-5.8	-2.5	-0.7	-9.4	1.2	-2.7	-2.0	-6.8	-8.9	-16.1	-14.0	-9.6
D	2.5	0.2	-1.4	-4.1	-2.3	-3.2	6.1	2.6	0.0	-3.4	-7.5	-10.5
EL	-0.1	-5.1	2.7	-3.5	-9.6	-2.5	7.2	-6.4	0.8	-6.0	-15.0	-12.6
E	-4.6	-2.2	2.1	2.3	2.2	0.5	-7.1	-9.8	-6.7	-2.2	4.8	7.1
F	-0.3	-4.3	0.5	-3.9	-2.4	0.4	3.7	-2.5	-2.1	-8.4	-10.0	-5.0
IRL	-0.6	-6.9	-4.0	0.5	-3.3	:	-3.6	-9.5	-13.8	-10.7	-13.1	:
I	-6.0	-1.8	-1.2	-2.4	1.5	-0.7	1.0	-3.4	-6.9	-11.0	-3.9	-2.8
L	:	:	:	:	:	:	:	:	:	:	:	:
NL	-4.9	0.6	-14.9	0.0	-7.8	7.5	6.7	-5.5	-12.8	-18.6	-21.0	-15.7
A	0.9	-5.0	-2.2	1.8	-0.4	:	3.1	-4.5	-5.2	-4.5	-5.7	:
P	-1.1	-0.5	-1.0	-4.2	6.7	-7.0	-2.1	-2.8	-5.6	-6.2	0.7	-5.7
FIN	-3.3	0.3	-2.3	-18.2	-3.7	1.3	9.7	3.1	-5.0	-21.2	-24.5	-20.7
S	-4.3	-4.8	-2.5	1.2	-3.5	:	-0.1	-9.3	-10.0	-9.1	-9.5	:
UK	1.1	0.1	-1.9	0.2	-0.7	-1.6	1.9	2.1	-0.4	-0.4	-2.1	-4.2

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					
	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02
EU-15	-1.3	0.8	0.8	-1.5	0.5	0.4	2.9	0.9	1.4	-1.2	0.6	0.1
Euro-zone	-1.8	0.9	0.7	-1.8	0.1	0.7	3.1	1.0	1.1	-1.9	0.0	-0.2
B	0.4	-1.8	0.5	-0.4	0.4	-0.4	4.8	0.2	1.1	-1.4	-1.3	0.0
DK	-0.5	-0.4	2.4	-0.5	0.5	2.4	6.4	0.1	3.4	1.4	-0.4	6.2
D	-0.8	-0.1	0.2	-2.4	1.7	-0.7	2.2	-1.2	-0.9	-2.9	-0.6	-1.1
EL	0.4	1.6	1.8	1.0	1.7	1.3	1.3	4.7	6.1	3.3	7.6	6.8
E	-2.0	2.4	1.1	-1.0	-0.1	2.8	-0.9	0.9	-1.0	0.4	2.4	2.8
F	0.6	0.2	0.2	-1.1	1.2	-0.3	3.5	3.6	2.3	-1.0	0.7	-0.6
IRL	-0.4	-2.5	9.6	2.9	4.7	:	11.0	3.1	15.3	9.5	15.1	:
I	-0.7	-0.3	0.5	-2.6	-1.0	0.3	5.8	2.0	3.1	-3.1	-3.6	-2.9
L	10.6	-1.6	-0.9	-0.8	3.9	:	11.9	8.1	5.9	6.9	0.5	:
NL	-2.7	1.4	0.2	-2.1	0.1	-0.2	1.4	-0.8	-1.6	-3.1	-0.4	-2.3
A	-3.0	2.1	1.7	-2.0	2.4	:	0.6	-0.6	0.7	-1.6	4.2	:
P	-4.4	0.3	-1.0	-2.8	2.0	-2.0	0.6	-1.4	-2.4	-8.3	-1.0	-3.9
FIN	0.3	-1.7	-1.7	-2.7	-0.2	1.5	2.7	0.8	-3.3	-5.8	-6.4	-2.9
S	0.7	0.0	0.3	-0.4	5.5	:	10.1	2.2	3.5	0.2	5.8	:
UK	0.4	0.8	0.9	-0.2	1.1	-1.1	0.2	0.5	2.4	1.7	3.0	0.6

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)		
		Q3-00	Q4-00	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02	Q/Q-1(%)	Q/Q-4(%)	
Total industry (excluding construction)	C-E	100.0	116.9	118.1	117.8	116.4	116.2	113.1	114.1	114.9	0.7	-1.3
Total industry (excluding energy & construction)		86.8	118.5	119.4	119.2	117.5	117.6	113.4	114.9	115.5	0.5	-1.8
Energy		13.2	107.8	105.7	107.2	107.2	107.8	107.8	107.7	109.1	1.3	1.9
Intermediate goods		35.2	117.0	117.8	116.8	115.2	114.6	110.1	113.9	114.6	0.6	-0.5
Capital goods		24.7	129.9	132.5	133.9	129.6	129.1	125.3	124.0	124.1	0.1	-4.2
Durable consumer goods		4.2	115.1	117.1	115.1	113.3	111.1	108.3	107.1	106.1	-0.9	-6.2
Non-durable consumer goods		22.6	107.2	108.4	107.0	107.9	108.7	107.1	107.6	108.0	0.4	0.1
Mining of coal and lignite	10	0.7	72.7	70.1	68.5	68.4	66.1	67.8	66.6	67.1	0.7	-1.9
Extraction of crude petroleum and natural gas	11	1.8	109.7	105.8	105.4	105.3	104.0	104.2	103.5	106.6	2.9	1.6
Mining of metal ores	13	0.1	79.3	76.1	80.2	77.7	77.5	74.9	72.5	:	-3.1	-9.1
Other non-metallic mining	14	0.7	110.5	112.7	108.5	110.1	110.1	107.2	110.3	107.6	-2.4	-2.1
Food and beverages	15	9.7	108.7	108.3	107.0	108.5	109.8	108.3	109.8	110.3	0.5	1.7
Tobacco	16	0.5	93.6	91.9	93.4	90.4	90.2	86.8	87.4	86.5	-1.1	-4.4
Textiles	17	2.6	96.5	95.9	94.0	93.0	92.5	86.8	87.2	87.7	0.7	-5.6
Clothing	18	1.8	75.6	77.1	77.8	76.0	74.8	72.7	70.0	68.1	-2.8	-10.5
Leather products	19	0.9	87.1	87.5	88.5	87.0	85.3	81.8	80.4	79.9	-0.6	-8.1
Wood products	20	1.7	110.9	110.5	108.5	106.6	106.0	103.6	104.6	106.6	1.9	-0.1
Pulp & paper	21	2.9	112.1	111.3	108.6	107.3	107.8	106.6	108.9	110.9	1.9	3.3
Publishing & printing	22	5.1	115.9	117.9	116.9	115.2	114.1	112.2	111.8	112.0	0.2	-2.7
Refined petroleum products	23	1.2	98.5	100.6	99.0	95.7	98.2	99.9	97.4	96.7	-0.7	1.1
Chemicals	24	9.5	125.0	129.3	126.5	127.4	127.0	127.1	134.5	135.4	0.7	6.1
Rubber & plastics	25	4.0	118.3	118.3	117.6	116.4	117.0	111.9	114.9	117.0	1.8	0.5
Non-metallic minerals	26	4.1	107.0	107.6	107.0	105.8	105.0	104.1	103.3	102.4	-0.9	-3.1
Basic metals	27	4.0	109.9	109.5	108.6	106.6	107.3	99.8	103.9	105.2	1.3	-1.3
Metal products	28	7.3	115.7	116.6	117.4	116.4	116.0	111.9	112.8	113.7	0.8	-2.2
Machinery	29	9.4	112.4	114.4	114.3	112.7	112.7	110.5	110.0	109.4	-0.5	-2.9
Office machinery	30	1.2	192.1	194.3	199.7	184.6	171.1	162.0	156.5	148.3	-5.2	-19.4
Electrical machinery	31	4.3	125.6	129.3	129.3	125.9	125.0	116.9	117.0	116.7	-0.2	-7.3
Radio, TV and communications	32	2.6	179.5	186.7	180.5	162.2	157.3	150.7	141.9	145.5	2.5	-10.3
Medical and optical instruments	33	2.4	125.9	128.9	130.3	129.9	130.0	128.7	128.2	127.9	-0.2	-1.6
Motor vehicles	34	6.8	138.4	140.2	144.8	140.3	140.3	135.8	136.8	138.9	1.5	-1.0
Other transport equipment	35	2.0	114.6	121.3	120.1	116.6	116.3	114.0	111.4	110.6	-0.7	-5.4
Furniture & other manufacturing	36	2.9	107.9	110.0	107.9	106.4	106.0	103.3	102.7	102.1	-0.7	-4.1
Electricity, gas and hot water supply	40	8.7	114.6	112.3	113.6	114.5	116.1	115.6	115.3	117.5	2.0	2.7
Water	41	0.9	97.0	98.4	99.2	99.4	99.0	98.8	99.7	99.9	0.2	0.5

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)	
	Q3-00	Q4-00	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02	Q/Q-1(%)	Q/Q-4(%)
EU-15	108.7	108.3	107.0	108.5	109.8	108.3	109.8	110.3	0.5	1.7
Euro-zone	110.5	109.9	108.5	110.1	111.5	109.7	111.4	112.0	0.5	1.8
B	110.4	112.4	113.0	113.0	115.0	114.8	115.6	113.9	-1.5	0.7
DK	106.7	107.4	105.4	102.5	105.9	104.0	106.1	107.0	0.8	4.9
D	107.2	106.7	105.5	106.6	107.2	107.2	108.2	106.8	-1.3	0.4
EL	117.1	118.2	118.3	120.2	120.8	121.2	122.5	122.8	0.3	1.7
E	110.9	105.8	106.2	113.3	113.2	109.5	107.2	117.1	9.2	3.4
F	108.8	108.1	108.4	109.7	109.1	108.7	110.2	110.1	-0.2	0.4
IRL	117.2	127.2	119.9	115.6	132.7	137.1	139.1	:	1.5	16.0
I	112.5	113.2	110.2	109.9	111.9	110.9	112.6	113.6	0.9	3.4
L	93.0	95.5	98.0	96.7	92.9	92.7	99.0	:	6.7	1.0
NL	108.4	107.7	106.6	108.4	107.3	103.6	105.9	:	2.2	-0.8
A	120.9	120.4	119.0	119.7	120.4	120.9	123.2	:	1.9	4.9
P	116.1	117.3	111.2	111.6	112.6	110.4	113.6	112.4	-1.1	0.6
FIN	111.6	111.4	111.2	111.4	113.0	111.4	116.1	117.2	1.0	5.2
S	105.0	104.5	106.9	108.8	108.2	106.5	109.3	:	2.7	2.3
UK	102.3	101.7	103.4	104.3	104.5	104.5	105.2	105.9	0.7	1.6

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

	Seasonally adjusted index (1995=100)								Latest growth rates (1)	
	Q3-00	Q4-00	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02	Q/Q-1(%)	Q/Q-4(%)
EU-15	125.0	129.3	126.5	127.4	127.0	127.1	134.5	135.4	0.7	6.1
Euro-zone	126.3	131.0	127.3	128.3	127.2	127.8	136.1	137.4	0.9	6.9
B	135.3	139.1	136.5	135.7	134.6	132.7	148.6	153.2	3.0	13.0
DK	167.9	171.9	170.9	177.1	178.9	176.6	180.8	190.7	5.5	10.7
D	120.4	120.8	118.1	117.4	116.9	114.2	125.4	123.5	-1.6	5.2
EL	126.3	127.5	132.0	132.9	144.6	152.8	145.4	152.6	4.9	14.7
E	115.7	115.1	115.9	113.3	115.7	113.5	117.2	118.3	1.0	4.5
F	120.7	122.8	122.5	122.6	125.0	122.1	124.1	124.3	0.2	1.3
IRL	329.2	401.2	392.8	408.0	370.2	448.9	521.3	:	16.1	32.5
I	107.5	108.9	104.6	106.7	105.4	100.9	103.9	104.9	0.9	-1.6
L	168.1	133.0	173.5	184.2	197.7	216.7	179.8	:	-17.0	3.6
NL	117.9	119.9	113.7	115.6	118.3	115.0	119.1	125.4	5.3	8.2
A	131.7	135.3	133.6	135.6	139.1	136.7	144.0	:	5.4	8.0
P	109.6	113.3	107.9	105.5	112.5	109.0	106.8	110.3	3.3	4.6
FIN	123.5	124.6	127.3	123.4	120.2	119.6	120.2	119.0	-1.0	-3.6
S	136.8	143.9	145.2	144.8	147.3	146.4	156.5	:	6.9	8.0
UK	112.0	114.6	113.8	115.7	118.0	117.3	116.7	117.0	0.3	0.4

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

	Seasonally adjusted index (1995=100)								Latest growth rates (1)	
	Q3-00	Q4-00	Q1-01	Q2-01	Q3-01	Q4-01	Q1-02	Q2-02	Q/Q-1(%)	Q/Q-4(%)
EU-15	112.4	114.4	114.3	112.7	112.7	110.5	110.0	109.4	-0.5	-2.9
Euro-zone	116.7	118.6	118.3	116.7	116.9	114.9	114.3	113.6	-0.6	-2.6
B	101.0	106.5	102.3	100.8	101.9	100.8	103.2	102.4	-0.8	0.0
DK	107.8	107.2	108.0	110.1	110.3	108.5	108.8	109.3	0.5	1.4
D	118.3	117.2	120.4	118.4	118.7	115.7	114.5	112.3	-1.8	-5.0
EL	118.7	109.2	132.2	117.2	123.2	114.4	118.8	118.7	-0.1	1.3
E	124.0	123.4	121.6	126.2	131.3	125.9	124.2	118.8	-4.4	-6.4
F	113.5	118.1	116.2	112.2	112.4	110.4	111.0	113.1	1.9	0.9
IRL	104.2	109.9	103.2	100.1	98.6	81.7	86.6	:	5.9	-16.1
I	112.1	114.2	111.7	109.2	109.9	105.5	107.6	106.4	-1.1	-2.6
L	103.4	136.4	123.7	123.3	124.3	124.5	118.0	:	-5.2	-4.9
NL	127.6	129.7	126.9	127.0	124.0	121.9	121.5	:	-0.3	-4.2
A	140.7	140.4	144.0	142.0	145.4	156.0	165.5	:	6.1	16.2
P	105.1	103.7	102.9	102.0	101.6	100.4	100.3	99.2	-1.1	-2.9
FIN	122.2	126.0	123.2	126.8	131.2	128.7	121.4	122.7	1.1	-3.5
S	93.2	93.3	94.1	90.4	92.1	88.5	93.2	:	5.3	-0.6
UK	90.5	91.7	93.5	92.5	91.2	87.2	86.0	84.7	-1.5	-8.5

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 before the first quarter of 2001 compare on the basis of eleven countries, whilst 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

Carmen Lipp-Lingua

Tel: +352-4301-35253,

Fax +352-4301-34359,

carmen.lipp-lingua@cec.eu.int

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 Monthly Panorama of European Business
 Catalogue No KS-AM-02-000-EN-C Price EUR 162

➤ Databases

NewCronos, Theme 4
 Domain EBT (European Business Trends)

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