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

during the second quarter of 2001

Gunter Schüfer

The industrial production index fell by 1.2% in the EU and by 1.1% in the euro-zone in the second quarter of 2001 compared to the previous quarter. This is a continuation of the fall in the production index recorded in the first quarter of 2001.

Despite the consecutive quarterly falls during the first half of 2001, the rates of change in the year to the second quarter remained positive, 0.1% in the EU and 0.6% in the euro-zone. These rates contrast sharply with the year on year growth rates of 5.0% and more recorded in the second half of 2000.

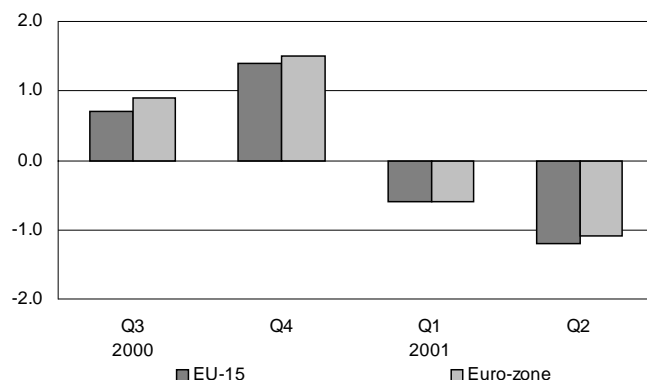


Figure 1: Production index for total industry (excluding construction), seasonally adjusted data, growth rates, compared to the previous quarter (%)

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	
Q3-00	0.7	Q3-00	0.9	Q3-00	5.1	Q3-00	5.8
Q4-00	1.4	Q4-00	1.5	Q4-00	5.0	Q4-00	5.5
Q1-01	-0.6	Q1-01	-0.6	Q1-01	3.7	Q1-01	4.1
Q2-01	-1.2	Q2-01	-1.1	Q2-01	0.1	Q2-01	0.6

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)

Despite the slowdown recorded for total industry, two main industrial groupings (MIGs) displayed rising output in the second quarter of 2001 compared to the quarter before: energy (+1.1% in the EU and +1.7% in the euro-zone) and consumer non-durables (+0.2% in the EU and the euro-zone). Capital goods contributed most to the overall fall, with the production index losing 2.1% in the EU and 4.2% in the euro-zone, ending a period of positive growth. Despite these negative quarterly rates of change for capital goods, the year on year rates of change for the second quarter remained positive in both the EU and the euro-zone, as they did for energy and consumer non-durables.

		Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, working day adjusted data					
		Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01
Total industry (excluding construction)	EU-15	0.8	2.2	0.7	1.4	-0.6	-1.2	4.5	5.9	5.1	5.0	3.7	0.1
	Euro-zone	0.9	2.3	0.9	1.5	-0.6	-1.1	4.9	6.2	5.8	5.5	4.1	0.6
Total industry (excluding energy & construction)	EU-15	1.1	2.1	1.1	0.8	-0.5	-1.5	4.7	5.8	5.4	5.5	3.7	-0.2
	Euro-zone	1.3	2.2	1.3	0.8	-0.4	-1.4	5.2	6.3	6.1	6.0	4.1	0.1
Energy	EU-15	1.2	-0.7	0.1	-1.8	0.9	1.1	2.3	2.3	1.3	-1.1	-1.3	0.3
	Euro-zone	1.7	-0.8	0.7	-2.1	1.0	1.7	2.8	2.0	2.5	-0.5	-1.2	1.5
Intermediate goods	EU-15	1.7	1.6	1.3	0.5	-1.4	-1.5	5.6	6.1	5.5	5.4	2.1	-1.2
	Euro-zone	1.4	1.5	1.5	1.1	-1.4	-1.8	6.2	6.4	5.9	5.7	2.7	-0.7
Capital goods	EU-15	2.3	3.2	1.7	1.2	0.5	-2.1	6.9	7.8	8.5	9.1	7.4	0.8
	Euro-zone	3.5	1.8	2.4	1.8	1.5	-4.2	7.8	8.6	9.6	9.8	7.6	1.2
Consumer durables	EU-15	0.2	2.7	-0.4	1.9	-1.8	-1.2	6.2	8.1	4.8	4.2	2.3	-1.6
	Euro-zone	0.1	3.2	-0.4	2.1	-2.2	-1.4	6.2	8.4	5.1	4.7	2.5	-1.9
Consumer non-durables	EU-15	-1.6	2.0	0.3	0.8	-0.7	0.2	0.2	2.9	1.6	1.5	2.5	0.6
	Euro-zone	-1.5	2.2	0.4	0.9	-0.8	0.2	-0.2	3.1	2.2	2.0	2.7	0.7

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

Compared to the previous quarter, Belgium (-5.4%) and Finland (-5.0%) recorded strong reductions in the industrial production index. Portugal boasted its highest quarterly rate since production started to increase in 2000. Except in Portugal, year on year rates of change in the second quarter showed all EU Member States (no data for Greece, Ireland, Austria or Sweden) experiencing either slowing growth or increasing contractions in industrial production compared to the first quarter; rates of change turned negative in the United Kingdom, Belgium, Finland and Italy.

	Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, working day adjusted data					
	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01
EU-15	0.8	2.2	0.7	1.4	-0.6	-1.2	4.5	5.9	5.1	5.0	3.7	0.1
Euro-zone	0.9	2.3	0.9	1.5	-0.6	-1.1	4.9	6.2	5.8	5.5	4.1	0.6
B	1.0	1.6	0.9	1.6	1.0	-5.4	5.6	6.3	4.5	5.6	5.3	-2.2
DK	0.5	3.4	1.2	1.0	-0.4	-1.3	3.1	7.8	8.0	6.2	5.1	0.3
D	1.6	2.0	1.2	1.4	0.5	-1.6	5.8	6.9	7.0	7.2	5.1	0.9
EL	6.0	-0.2	-1.9	3.0	1.1	:	8.2	5.9	0.0	6.8	2.0	:
E	2.1	0.7	-0.3	-0.4	-0.7	0.2	6.1	5.8	3.5	2.0	-0.7	-1.1
F	0.2	0.4	1.4	0.4	0.3	0.2	4.5	3.0	3.8	2.5	2.0	1.3
IRL	-6.4	16.0	0.7	9.9	2.7	:	5.3	20.9	14.7	20.0	31.4	:
I	0.7	1.8	-0.2	1.0	-0.2	-1.4	2.5	6.5	5.2	5.0	2.8	-0.9
L	-0.6	2.5	-1.1	0.9	2.6	-2.2	9.9	7.2	1.4	1.6	5.1	0.1
NL	0.1	1.7	0.3	1.3	-1.5	0.6	1.9	3.7	3.0	3.2	1.6	0.6
A	1.2	2.8	-0.1	1.9	1.4	:	11.2	11.6	8.4	5.9	5.9	:
P	-1.7	0.1	0.8	0.7	0.1	1.6	0.0	0.0	0.0	0.0	1.6	3.3
FIN	3.5	5.0	2.3	2.6	-3.0	-5.0	6.9	9.2	13.0	14.2	7.1	-2.2
S	2.0	4.6	-1.6	3.9	-0.8	:	5.9	10.2	9.1	8.8	6.3	:
UK	-0.7	1.3	0.7	-0.7	-0.7	-1.1	1.9	2.7	0.7	0.9	0.9	-2.3

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

Production index for the main industrial groupings

	Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, working day adjusted data					
	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01
EU-15	1.1	2.1	1.1	0.8	-0.5	-1.5	4.7	5.8	5.4	5.5	3.7	-0.2
Euro-zone	1.3	2.2	1.3	0.8	-0.4	-1.4	5.2	6.3	6.1	6.0	4.1	0.1
B	0.9	1.8	0.8	3.9	0.8	-6.6	7.1	8.0	5.7	7.5	7.4	-1.4
DK	0.1	3.6	0.6	1.8	-0.8	-1.2	3.0	7.8	7.8	6.2	5.3	0.4
D	2.2	2.9	1.5	1.1	0.4	-1.9	6.5	7.7	7.5	8.0	6.2	0.9
EL	:	:	:	:	:	:	:	:	:	:	:	:
E	1.9	0.9	-0.6	-0.1	-1.0	0.0	5.0	4.8	3.5	2.2	-0.7	-1.5
F	0.5	0.4	1.0	1.2	-0.3	-0.2	4.5	2.9	4.0	3.3	2.3	1.5
IRL	:	:	:	:	:	:	:	:	:	:	:	:
I	0.3	3.0	0.7	1.8	-2.1	-1.4	2.5	6.8	5.7	5.8	3.3	-1.0
L	0.0	2.2	-0.8	0.4	3.8	:	10.0	7.3	0.7	1.7	5.6	:
NL	-0.8	2.4	0.6	1.7	-2.9	0.6	2.3	4.4	3.8	3.8	1.6	-0.2
A	2.0	3.0	-0.1	2.2	0.6	:	12.0	13.1	9.5	7.3	5.6	:
P	-1.4	-1.1	1.7	0.9	-1.6	2.2	0.0	0.0	0.0	0.0	-0.2	3.2
FIN	2.6	3.8	5.2	2.5	-4.5	-5.4	6.8	8.9	14.3	15.1	7.0	-2.8
S	:	:	:	:	:	:	:	:	:	:	:	:
UK	-0.1	0.9	0.3	0.5	-0.8	-2.2	1.9	2.4	0.9	1.8	1.0	-2.3

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					
	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01
EU-15	1.2	-0.7	0.1	-1.8	0.9	1.1	2.3	2.3	1.3	-1.1	-1.3	0.3
Euro-zone	1.7	-0.8	0.7	-2.1	1.0	1.7	2.8	2.0	2.5	-0.5	-1.2	1.5
B	-0.8	-0.6	-0.7	-1.1	-1.2	-1.5	-3.9	-3.4	0.1	-3.3	-3.7	-5.8
DK	:	:	:	:	:	:	:	:	:	:	:	:
D	0.5	-2.1	3.0	-2.8	-3.8	3.9	0.1	-2.5	2.0	-1.5	-5.8	0.2
EL	6.4	-3.3	4.6	-1.4	0.3	:	-7.5	-7.6	-19.5	6.0	-0.1	:
E	3.9	-0.6	0.2	-1.5	1.4	1.4	11.8	10.7	4.6	1.8	-0.6	1.4
F	0.5	0.4	1.0	-1.9	0.5	2.0	4.2	4.1	4.4	-0.1	0.0	1.9
IRL	:	:	:	:	:	:	:	:	:	:	:	:
I	1.1	0.7	-0.4	-0.8	0.3	0.3	2.6	4.7	2.6	0.1	-0.4	-0.5
L	-1.6	-3.9	4.9	1.0	-2.3	:	8.2	4.9	15.2	0.5	-0.3	:
NL	4.3	-1.1	-1.3	-0.9	5.5	0.6	0.5	0.0	-1.2	0.7	1.7	4.4
A	-1.3	1.8	-2.6	0.3	7.5	:	7.4	1.9	0.5	-2.6	8.1	:
P	-4.2	8.7	-4.1	0.2	5.2	1.6	0.0	0.0	0.0	0.0	9.9	2.7
FIN	-1.9	0.1	-2.8	4.1	5.5	0.2	-0.5	0.1	-5.5	-0.5	7.9	5.9
S	:	:	:	:	:	:	:	:	:	:	:	:
UK	-0.3	1.7	-1.6	-2.6	0.9	0.1	1.7	3.6	-0.7	-3.1	-1.7	-3.2

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					
	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01
EU-15	1.7	1.6	1.3	0.5	-1.4	-1.5	5.6	6.1	5.5	5.4	2.1	-1.2
Euro-zone	1.4	1.5	1.5	1.1	-1.4	-1.8	6.2	6.4	5.9	5.7	2.7	-0.7
B	1.2	2.4	1.4	2.2	-1.4	-3.6	11.1	9.3	8.2	7.9	4.9	-1.9
DK	0.0	2.9	-1.6	2.3	-3.9	-0.7	3.3	6.7	4.7	3.4	-0.2	-4.0
D	1.7	1.8	1.2	1.3	-0.1	-2.0	5.8	6.4	5.3	6.3	4.3	0.1
EL	:	:	:	:	:	:	:	:	:	:	:	:
E	1.6	1.1	-1.1	-0.5	-0.7	-0.6	6.7	5.1	3.4	1.2	-1.1	-2.7
F	1.2	1.0	0.6	1.0	-0.7	-0.5	6.1	5.2	5.7	4.6	1.4	-1.0
IRL	:	:	:	:	:	:	:	:	:	:	:	:
I	1.4	2.5	1.0	1.7	-3.4	-1.2	4.6	7.8	8.4	6.6	1.6	-2.0
L	1.9	0.0	0.3	-3.2	6.2	:	13.8	10.0	4.0	-1.1	3.1	:
NL	1.6	-1.1	1.6	2.0	-2.1	-1.4	6.3	3.5	3.3	3.9	0.2	-0.1
A	2.8	2.1	1.3	3.5	0.1	:	9.5	9.3	7.7	10.9	6.9	:
P	-4.7	0.5	1.7	2.6	2.2	3.5	0.0	0.0	0.0	0.0	7.2	10.5
FIN	2.6	0.0	4.8	0.5	-4.4	-1.2	11.1	7.2	11.0	8.5	-0.4	-2.2
S	:	:	:	:	:	:	:	:	:	:	:	:
UK	2.1	0.5	0.8	-0.4	-3.0	-1.6	2.1	3.6	3.0	3.3	-2.1	-4.3

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

Production index for the main industrial groupings

	Quarter on quarter growth rates, seasonally adjusted data						Year on year growth rates, working day adjusted data					
	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01
EU-15	2.3	3.2	1.7	1.2	0.5	-2.1	6.9	7.8	8.5	9.1	7.4	0.8
Euro-zone	3.5	1.8	2.4	1.8	1.5	-4.2	7.8	8.6	9.6	9.8	7.6	1.2
B	0.0	6.9	-1.5	6.6	4.4	-8.1	5.1	8.9	3.4	12.8	18.9	-0.3
DK	-1.1	5.1	4.9	0.6	4.2	0.3	-1.8	5.3	12.3	9.8	14.2	9.8
D	4.6	4.0	2.9	1.1	1.7	-2.9	10.1	11.0	12.8	13.1	10.5	2.5
EL	:	:	:	:	:	:	:	:	:	:	:	:
E	5.6	1.9	-0.8	1.8	-1.2	-0.2	6.2	9.4	4.4	8.7	1.7	-0.7
F	0.5	0.1	1.6	0.9	1.3	0.0	6.9	2.3	4.5	4.6	3.8	3.7
IRL	:	:	:	:	:	:	:	:	:	:	:	:
I	0.5	2.9	1.0	0.2	0.2	-3.1	3.1	6.3	6.5	4.5	4.3	-1.6
L	-4.4	7.9	-10.4	24.4	-5.4	:	-0.9	-0.2	-20.7	16.3	13.8	:
NL	-1.7	2.0	-2.0	4.5	-2.7	2.6	-3.9	2.1	-0.3	2.2	1.6	2.1
A	3.8	3.0	1.4	1.1	2.2	:	21.8	20.9	14.9	8.2	7.2	:
P	4.0	-3.3	-0.9	-0.6	-5.2	0.1	0.0	0.0	0.0	0.0	-10.5	-6.1
FIN	8.1	11.3	3.1	5.5	-3.4	-8.7	9.0	17.8	25.5	30.2	17.6	-5.1
S	:	:	:	:	:	:	:	:	:	:	:	:
UK	-1.1	1.2	0.9	2.9	0.3	-6.7	2.0	2.8	1.4	4.2	5.3	-2.8

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					
	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01
EU-15	0.2	2.7	-0.4	1.9	-1.8	-1.2	6.2	8.1	4.8	4.2	2.3	-1.6
Euro-zone	0.1	3.2	-0.4	2.1	-2.2	-1.4	6.2	8.4	5.1	4.7	2.5	-1.9
B	-2.8	0.3	-0.2	0.9	-0.6	3.1	-0.7	3.4	0.8	-1.8	0.3	3.2
DK	5.3	2.1	2.3	-1.7	-4.6	-3.0	10.9	14.0	14.7	8.0	-2.1	-6.8
D	0.2	2.8	0.1	0.6	1.5	-0.7	5.5	7.3	4.4	3.6	5.3	1.4
EL	:	:	:	:	:	:	:	:	:	:	:	:
E	10.2	-1.9	-1.6	-2.4	-2.2	-3.8	13.6	9.9	7.0	4.4	-7.2	-10.1
F	-1.0	2.1	-0.5	0.3	0.4	-1.7	3.4	3.7	1.5	2.3	2.6	-1.0
IRL	:	:	:	:	:	:	:	:	:	:	:	:
I	-0.6	3.3	-0.8	6.5	-7.4	-1.6	9.8	12.0	7.8	8.1	1.0	-3.4
L	:	:	:	:	:	:	:	:	:	:	:	:
NL	-2.2	13.5	-8.1	6.5	-5.8	2.0	5.5	15.8	10.0	8.7	4.9	-5.7
A	-0.2	1.2	-2.1	1.8	2.6	:	1.9	3.0	-1.1	0.6	3.5	:
P	-1.7	1.9	-0.4	0.3	-2.3	-2.2	0.0	0.0	0.0	0.0	-0.6	-4.5
FIN	0.3	9.2	10.0	-5.3	-2.7	-2.6	-6.6	5.7	19.3	14.3	10.6	-1.5
S	:	:	:	:	:	:	:	:	:	:	:	:
UK	-0.1	-0.2	-0.6	1.1	1.4	0.1	4.9	4.2	0.5	0.2	1.8	2.0

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					
	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01
EU-15	-1.6	2.0	0.3	0.8	-0.7	0.2	0.2	2.9	1.6	1.5	2.5	0.6
Euro-zone	-1.5	2.2	0.4	0.9	-0.8	0.2	-0.2	3.1	2.2	2.0	2.7	0.7
B	-0.3	3.4	-0.7	1.4	0.3	-2.9	1.4	5.2	2.8	4.1	4.8	-2.3
DK	-0.1	5.1	0.2	0.6	0.0	-1.4	4.0	8.9	6.2	5.4	5.8	-0.7
D	-0.5	2.1	-0.1	0.3	-0.4	-0.5	0.8	3.7	2.4	2.1	1.7	-0.9
EL	12.9	1.0	-3.0	-1.5	2.6	:	14.7	16.9	9.0	8.2	-0.4	:
E	-3.0	0.7	3.1	-2.6	-2.1	2.7	0.1	-0.1	2.4	-1.8	-0.8	1.1
F	-1.9	0.0	1.7	0.2	0.9	0.6	-0.1	0.2	1.7	0.3	2.0	2.9
IRL	-6.4	8.0	-3.4	4.9	5.4	:	-1.2	12.8	-0.3	2.4	15.8	:
I	-1.5	4.0	0.0	2.9	-1.1	0.1	-2.6	4.2	0.9	5.3	5.8	1.9
L	3.3	1.5	0.8	-1.9	11.5	:	3.1	3.2	2.2	3.6	11.9	:
NL	-3.0	4.3	2.2	-0.5	-3.8	2.6	1.2	4.0	4.7	2.8	1.9	0.2
A	-1.5	3.7	0.6	-1.3	-1.3	:	5.7	11.9	8.6	1.5	0.9	:
P	-0.5	-1.8	2.1	0.0	-5.2	1.6	0.0	0.0	0.0	0.0	-5.0	-1.6
FIN	-4.5	1.0	5.1	-1.1	-2.2	0.2	-8.3	-5.4	2.0	0.7	4.2	1.7
S	:	:	:	:	:	:	:	:	:	:	:	:
UK	-1.2	-0.1	-0.6	0.0	1.0	-0.3	1.1	0.2	-2.0	-1.9	0.5	0.2

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 (1995=100)								Latest growth rates (1)	
		Q3-99	Q4-99	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01	Q/Q-1(%)	Q/Q-4(%)
Total industry (excluding construction) C-E	100.0	111.2	112.4	113.3	115.8	116.6	118.2	117.5	116.0	-1.2	0.1
Total industry (excluding energy & construction)	86.8	110.5	111.7	112.9	115.2	116.5	117.5	116.9	115.2	-1.5	-0.2
Energy	13.2	106.5	107.0	108.3	107.6	107.7	105.7	106.7	107.9	1.1	0.3
Intermediate goods	35.2	109.6	110.4	112.3	114.1	115.6	116.1	114.5	112.9	-1.5	-1.2
Capital goods	24.7	117.6	119.0	121.7	125.6	127.7	129.3	129.9	127.2	-2.1	0.8
Durable consumer goods	4.2	109.6	111.6	111.8	114.9	114.4	116.5	114.4	113.0	-1.2	-1.6
Non-durable consumer goods	22.6	105.6	106.5	104.8	106.9	107.3	108.2	107.4	107.5	0.2	0.6
Mining of coal and lignite 10	0.7	79.4	74.1	75.6	74.6	72.7	70.9	68.5	68.8	0.4	-7.7
Extraction of crude petroleum and natural gas 11	1.8	114.2	114.3	113.7	111.9	109.6	105.9	105.1	106.7	1.6	-4.2
Mining of metal ores 13	0.1	83.2	83.8	82.2	81.5	80.1	75.4	79.4	:	5.4	-3.2
Other non-metallic mining 14	0.7	108.7	108.1	112.0	110.9	110.0	112.1	109.4	110.0	0.5	-1.0
Food and beverages 15	9.7	107.0	107.9	106.3	108.5	108.8	108.5	107.3	108.5	1.1	0.0
Tobacco 16	0.5	93.8	94.7	93.4	95.1	95.6	90.6	95.6	90.7	-5.1	-4.6
Textiles 17	2.6	93.7	93.9	93.5	95.4	96.6	96.2	93.8	93.0	-0.9	-2.6
Clothing 18	1.8	78.2	76.3	75.6	76.3	75.8	77.2	77.6	76.6	-1.4	0.3
Leather products 19	0.9	88.9	88.9	87.4	88.8	87.2	87.4	88.8	87.3	-1.7	-1.7
Wood products 20	1.7	107.5	109.6	110.7	113.4	110.9	110.9	108.1	106.8	-1.1	-5.5
Pulp & paper 21	2.9	106.7	108.7	108.2	109.8	112.0	110.9	108.4	107.1	-1.2	-2.5
Publishing & printing 22	5.1	113.9	115.1	114.5	116.2	115.7	116.4	116.0	114.8	-1.0	-1.6
Refined petroleum products 23	1.2	95.9	93.7	96.7	96.0	98.3	100.6	99.4	96.1	-3.4	0.1
Chemicals 24	9.5	117.7	120.5	119.7	122.2	122.7	125.3	123.9	124.4	0.4	1.8
Rubber & plastics 25	4.0	113.5	114.5	115.8	117.6	118.6	119.0	117.9	116.4	-1.3	-1.1
Non-metallic minerals 26	4.1	104.5	105.6	106.9	106.8	106.6	107.4	106.7	105.3	-1.3	-1.5
Basic metals 27	4.0	103.4	104.5	106.4	108.2	109.2	109.2	108.4	106.9	-1.3	-1.1
Metal products 28	7.3	110.1	111.8	112.7	115.2	115.4	116.7	117.4	116.5	-0.7	1.1
Machinery 29	9.4	105.2	104.1	107.1	110.2	112.3	114.2	113.9	111.9	-1.8	1.5
Office machinery 30	1.2	160.6	157.8	162.9	179.3	185.6	185.1	197.6	184.2	-6.8	1.7
Electrical machinery 31	4.3	116.2	118.4	120.0	122.6	125.4	129.7	130.1	124.9	-4.0	1.9
Radio, TV and communications 32	2.6	142.1	150.3	161.5	168.8	179.2	187.5	181.8	156.4	-14.0	-7.3
Medical and optical instruments 33	2.4	112.4	115.1	119.5	123.4	127.0	129.0	130.1	128.5	-1.3	3.6
Motor vehicles 34	6.8	127.8	131.6	136.0	138.3	138.6	141.2	145.4	140.2	-3.6	1.4
Other transport equipment 35	2.0	116.0	113.9	114.1	114.2	114.2	116.4	115.4	114.2	-1.1	-0.8
Furniture & other manufacturing 36	2.9	107.3	106.9	106.7	108.5	107.3	109.6	107.5	106.7	-0.7	-1.7
Electricity, gas and hot water supply 40	8.7	111.4	112.2	112.7	113.1	114.8	112.0	112.7	115.3	2.4	2.1
Water 41	0.9	98.4	97.4	96.7	96.6	95.5	96.9	98.0	:	1.2	1.4

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)	
	Q3-99	Q4-99	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01	Q/Q-1(%)	Q/Q-4(%)
EU-15	107.0	107.9	106.3	108.5	108.8	108.5	107.3	108.5	1.1	0.0
Euro-zone	108.2	109.3	107.5	110.2	110.8	110.2	108.7	110.2	1.4	-0.2
B	105.0	106.0	105.6	109.5	110.8	111.8	112.7	111.7	-0.9	1.4
DK	103.2	104.9	102.3	105.2	107.4	107.6	105.1	100.3	-4.5	-4.7
D	105.8	106.1	105.8	107.8	106.3	106.7	106.7	106.3	-0.3	-0.9
EL	107.5	106.3	118.8	119.0	105.7	113.5	:	:	7.3	7.5
E	109.8	110.0	108.1	110.8	110.9	105.4	106.5	113.7	6.8	2.6
F	108.1	109.5	108.4	107.7	109.2	108.2	109.2	110.4	1.1	2.8
IRL	111.8	125.5	113.5	120.8	118.4	129.8	119.6	:	-7.8	5.4
I	107.6	108.0	106.9	111.6	112.5	113.0	110.3	110.0	-0.4	-1.6
L	98.6	97.5	92.6	92.6	92.9	94.9	98.4	:	3.6	6.2
NL	106.7	107.3	106.6	109.2	109.3	109.0	107.4	106.6	-0.7	-2.6
A	115.9	119.1	118.3	121.0	120.7	120.1	120.6	:	0.4	0.8
P	113.6	115.9	114.9	117.8	116.2	115.9	111.7	110.3	-1.3	-7.2
FIN	112.0	112.6	110.6	113.9	112.0	111.9	114.9	115.5	0.5	1.7
S	105.5	104.3	100.5	105.5	104.8	104.5	106.3	:	1.7	6.6
UK	103.7	103.1	101.7	102.0	102.7	102.5	102.7	103.3	0.6	1.4

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

	Seasonally adjusted index (1995=100)								Latest growth rates (1)	
	Q3-99	Q4-99	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01	Q/Q-1(%)	Q/Q-4(%)
EU-15	117.7	120.5	119.7	122.2	122.7	125.3	123.9	124.4	0.4	1.8
Euro-zone	118.6	121.6	120.9	123.0	123.3	126.0	124.1	124.4	0.3	1.1
B	127.8	130.9	133.6	137.7	135.9	137.6	136.4	134.5	-1.5	-2.7
DK	146.7	144.2	150.6	160.6	168.7	170.0	170.1	178.9	5.2	11.4
D	117.0	118.1	117.4	119.5	118.8	120.5	118.5	117.2	-1.1	-2.0
EL	119.8	111.6	117.2	114.8	112.0	113.3	109.0	:	-3.8	-7.2
E	115.8	117.8	114.5	110.3	115.6	114.3	116.2	113.5	-2.3	2.6
F	115.4	118.0	117.4	119.1	121.4	122.3	121.6	122.2	0.5	2.6
IRL	:	:	:	:	:	:	:	:	:	:
I	105.8	106.3	106.8	108.3	107.5	107.9	105.6	107.0	1.3	-1.2
L	159.6	166.2	187.5	175.6	168.3	133.4	152.4	:	14.2	-18.8
NL	109.8	113.1	112.4	113.7	117.5	120.0	116.2	117.0	0.7	2.8
A	127.0	135.6	133.0	135.1	133.6	136.1	136.4	:	0.2	2.3
P	108.7	113.0	110.3	111.3	111.3	111.9	107.7	107.3	-0.3	-3.7
FIN	118.2	119.5	123.9	124.4	124.5	126.1	124.6	124.7	0.1	0.5
S	122.9	125.6	126.0	137.7	137.0	143.9	146.0	:	1.4	15.6
UK	109.3	112.3	110.2	111.2	113.2	115.5	114.1	115.4	1.1	3.6

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

	Seasonally adjusted index (1995=100)								Latest growth rates (1)	
	Q3-99	Q4-99	Q1-00	Q2-00	Q3-00	Q4-00	Q1-01	Q2-01	Q/Q-1(%)	Q/Q-4(%)
EU-15	105.2	104.1	107.1	110.2	112.3	114.2	113.9	111.9	-1.8	1.5
Euro-zone	107.8	107.1	110.6	113.9	116.4	118.7	117.9	115.8	-1.8	1.6
B	98.2	96.6	98.5	106.4	105.6	108.3	106.6	101.2	-5.0	-5.5
DK	96.3	99.1	100.4	103.1	107.8	106.9	108.0	109.6	1.5	6.2
D	107.9	108.3	111.2	114.0	117.1	119.3	119.7	117.2	-2.1	2.0
EL	122.1	106.8	122.0	123.7	121.9	121.2	129.4	:	6.8	6.4
E	119.5	119.2	125.8	124.6	125.8	122.2	121.3	122.1	0.6	-2.0
F	110.3	110.0	110.9	112.7	114.1	118.4	116.3	116.7	0.4	3.4
IRL	:	:	:	:	:	:	:	:	:	:
I	102.2	102.2	102.8	107.2	112.8	113.5	111.8	108.8	-2.6	1.4
L	142.2	127.2	115.7	119.8	103.9	136.9	122.3	:	-10.6	5.7
NL	112.0	111.0	113.9	114.7	114.4	116.3	115.0	115.5	0.4	0.6
A	124.3	128.6	130.6	138.3	140.4	144.4	148.7	:	3.0	13.6
P	103.2	104.6	103.0	104.1	104.7	103.4	103.1	101.7	-1.4	-2.5
FIN	107.7	108.2	111.0	116.8	120.8	123.5	119.3	121.8	2.1	4.4
S	94.2	91.9	92.1	96.0	93.1	93.3	94.5	:	1.2	3.0
UK	90.2	89.7	87.7	89.3	89.7	90.4	92.8	91.9	-1.0	1.1

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 19th of 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 5th 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
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