

Table 28. Productivity and related data: Manufacturing sector, 1949-2000

(Index, 1992=100, and percent change from preceding year)

Year	Output per hour of all persons		Output ¹		Hours of all persons ²		Compensation per hour ³		Real compensation per hour ⁴		Unit labor cost		Implicit price deflator ⁵	
	Index	Change from previous year	Index	Change from previous year	Index	Change from previous year	Index	Change from previous year	Index	Change from previous year	Index	Change from previous year	Index	Change from previous year
1949	33.5	-	26.5	-	79.1	-	8.3	-	45.1	-	24.6	-	24.0	-
1950	34.0	1.5	29.1	9.7	85.5	8.1	8.7	5.1	46.8	3.7	25.5	3.5	24.5	2.3
1951	33.8	-0.7	31.1	7.0	92.1	7.7	9.5	10.1	47.7	2.0	28.3	10.8	26.8	9.2
1952	35.2	4.2	32.9	5.6	93.3	1.3	10.2	6.6	49.9	4.6	28.9	2.3	26.7	-0.4
1953	36.4	3.2	35.7	8.5	98.1	5.1	10.7	5.5	52.2	4.7	29.5	2.2	26.6	-0.3
1954	37.3	2.6	33.4	-6.3	89.6	-8.6	11.2	4.6	54.2	3.8	30.1	1.9	27.0	1.4
1955	38.8	4.0	36.7	9.7	94.6	5.5	11.7	3.9	56.5	4.3	30.1	-0.1	27.2	0.8
1956	38.6	-0.4	37.1	1.0	96.0	1.5	12.4	6.4	59.3	4.9	32.1	6.9	28.1	3.5
1957	39.4	2.0	37.2	0.4	94.5	-1.6	13.2	6.0	60.8	2.6	33.4	3.9	29.2	3.6
1958	40.0	1.6	34.7	-6.8	86.6	-8.3	13.8	4.6	61.8	1.7	34.4	3.0	29.9	2.5
1959	40.9	2.2	37.8	9.1	92.5	6.7	14.3	3.7	63.7	3.0	34.9	1.5	30.3	1.3
1960	41.8	2.1	38.5	1.7	92.1	-0.4	14.9	4.2	65.2	2.4	35.6	2.0	30.2	-0.2
1961	42.8	2.5	38.4	-0.2	89.7	-2.6	15.3	2.9	66.5	1.9	35.7	0.5	30.3	0.2
1962	44.2	3.2	41.3	7.5	93.4	4.1	15.9	3.8	68.3	2.8	36.0	0.6	30.3	0.1
1963	45.7	3.5	43.1	4.5	94.4	1.0	16.4	3.0	69.4	1.7	35.8	-0.4	30.3	0.0
1964	47.4	3.8	45.7	6.0	96.4	2.1	17.0	4.2	71.4	2.8	36.0	0.4	30.3	0.2
1965	48.5	2.4	49.5	8.3	102.0	5.8	17.4	2.1	71.8	0.5	35.9	-0.2	30.7	1.1
1966	49.1	1.1	53.3	7.7	108.6	6.5	18.2	4.5	73.0	1.6	37.1	3.4	31.5	2.8
1967	50.9	3.7	54.9	3.1	108.0	-0.6	19.2	5.5	74.6	2.3	37.7	1.7	32.0	1.5
1968	52.7	3.5	57.7	5.1	109.6	1.5	20.7	7.7	77.1	3.3	39.2	4.0	32.7	2.2
1969	53.5	1.7	59.4	2.9	110.9	1.2	22.2	7.3	78.5	1.7	41.4	5.5	33.8	3.3
1970	54.2	1.1	56.5	-4.8	104.4	-5.9	23.7	7.1	79.4	1.3	43.8	5.8	35.0	3.4
1971	57.8	6.8	58.2	2.9	100.5	-3.7	25.2	6.1	80.7	1.6	43.5	-0.7	36.2	3.6
1972	60.3	4.2	63.3	8.9	105.1	4.5	26.5	5.2	82.3	1.9	43.9	0.9	37.4	3.4
1973	61.4	1.9	67.8	7.1	110.4	5.1	28.5	7.7	83.4	1.4	46.4	5.6	40.3	7.7
1974	61.2	-0.3	66.1	-2.5	107.9	-2.2	31.6	11.0	83.4	0.0	51.7	11.4	47.3	17.3
1975	64.3	5.0	62.5	-5.5	97.2	-9.9	35.5	12.1	85.6	2.7	55.2	6.7	53.0	11.9
1976	67.0	4.2	68.2	9.2	101.9	4.8	38.4	8.4	87.7	2.5	57.4	4.1	55.3	4.3
1977	69.7	4.0	73.9	8.4	106.1	4.2	41.8	8.7	89.6	2.1	60.0	4.5	58.7	6.2
1978	70.4	1.0	77.8	5.2	110.6	4.2	45.2	8.1	90.6	1.1	64.2	7.0	62.7	6.8
1979	69.8	-0.8	78.7	1.1	112.7	2.0	49.6	9.8	90.9	0.4	71.1	10.7	69.8	11.5
1980	70.1	0.4	75.3	-4.2	107.5	-4.6	55.6	12.0	91.6	0.8	79.3	11.6	79.9	14.4
1981	70.7	0.9	75.6	0.4	107.0	-0.5	61.1	9.9	92.1	0.5	86.3	8.9	87.1	9.1
1982	74.2	5.0	72.7	-3.9	97.9	-8.4	67.0	9.7	95.4	3.6	90.2	4.5	89.6	2.8
1983	76.7	3.3	75.9	4.4	98.9	1.0	68.8	2.8	94.1	-1.3	89.7	-0.6	90.0	0.4
1984	79.5	3.6	83.7	10.3	105.3	6.5	71.2	3.5	93.6	-0.5	89.6	-0.1	91.5	1.6
1985	82.3	3.6	86.0	2.8	104.6	-0.7	75.1	5.5	95.5	2.0	91.3	1.8	91.0	-0.6
1986	85.9	4.4	88.5	2.8	103.0	-1.5	78.5	4.5	98.1	2.7	91.3	0.1	87.5	-3.9
1987	88.3	2.8	91.6	3.6	103.8	0.8	80.7	2.9	97.5	-0.5	91.4	0.1	89.2	2.0
1988	90.2	2.2	96.1	4.9	106.6	2.7	84.0	4.1	97.9	0.4	93.1	1.9	91.8	2.9
1989	90.3	0.1	96.6	0.5	107.1	0.5	86.6	3.2	96.8	-1.1	96.0	3.1	95.6	4.1
1990	92.9	2.9	97.3	0.7	104.8	-2.1	90.8	4.8	96.6	-0.2	97.8	1.9	99.0	3.6
1991	95.0	2.3	95.4	-2.0	100.4	-4.2	95.6	5.3	98.1	1.5	100.6	2.9	99.6	0.6
1992	100.0	5.3	100.0	4.8	100.0	-0.4	100.0	4.6	100.0	1.9	100.0	-0.6	100.0	0.4
1993	101.9	1.9	103.3	3.3	101.4	1.4	102.7	2.7	100.2	0.2	100.8	0.8	100.9	0.9
1994	105.0	3.0	108.7	5.3	103.6	2.2	105.6	2.8	100.8	0.6	100.7	-0.2	102.0	1.1
1995	109.0	3.8	113.4	4.3	104.0	0.4	107.9	2.1	100.4	-0.4	99.0	-1.7	103.9	1.8
1996	112.8	3.5	117.0	3.1	103.7	-0.3	109.3	1.3	99.0	-1.4	96.9	-2.1	104.9	1.0
1997	117.6	4.3	124.1	6.1	105.5	1.7	111.4	1.9	98.8	-0.2	94.7	-2.3	104.1	-0.7
1998	124.0	5.4	130.4	5.1	105.2	-0.3	117.3	5.3	102.6	3.8	94.6	-0.1	100.5	-3.5
1999	129.6	4.5	135.2	3.7	104.3	-0.8	122.0	4.0	104.5	1.9	94.1	-0.5	101.1	0.6
2000	138.5	6.9	142.9	5.7	103.2	-1.1	128.4	5.2	106.4	1.8	92.7	-1.6	-	-

¹Output is an annual-weighted index of real gross sectoral product.

²Hours at work of all persons engaged in the sector, including hours of proprietors. Estimates based primarily on establishment data.

³Wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. Also includes an estimate of wages, salaries, and supplemental payments for the self-employed.

⁴Hourly compensation divided by an index of consumer prices.

⁵Current dollar sectoral product divided by the index of real sectoral product.

NOTE: Percent changes are based on original data and therefore may differ slightly from percent changes based on indexes.

Dash indicates data not available.