

Appendix table 6-7

U.S. industrial R&D performance: 1987–2000

(Millions of PPP dollars)

Industry	ISIC code	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total business enterprise		92,155.0	97,014.8	102,054.7	109,727.3	116,952.0	119,110.0	117,399.0	119,595.0	132,103.0	144,667.0	157,539.0	169,180.0	182,823.0	199,539.0
Total manufacturing	15–37	84,311.0	86,502.0	88,024.0	88,934.0	88,506.0	90,177.0	90,931.0	96,307.0	104,237.0	116,953.0	125,902.0	125,447.0	122,565.0	129,594.0
Food, beverages, and tobacco	15, 16	1,206.0	1,229.3	1,275.3	1,414.4	1,277.0	1,386.0	1,345.0	1,476.0	1,566.0	1,564.0	1,907.9	1,949.41	534.21	587.0
Food, products, and beverages	15	NA	NA	NA	NA	NA	1,346.0	1,305.0	NA	NA	NA	NA	NA	NA	NA
Tobacco products	16	NA	NA	NA	NA	NA	40.0	40.0	NA	NA	NA	NA	NA	NA	NA
Textiles, fur, and leather	17–19	243.0	259.9	260.4	296.9	283.0	275.0	318.2	356.8	395.1	485.7	535.0	577.0	337.0	266.0
Textiles	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	257.0	NA	NA
Wearing apparel and fur	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	294.0	NA	NA
Leather products and footwear	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.0	NA	NA
Wood, paper, printing, and publishing	20–22	741.0	961.0	1,075.8	1,303.8	1,445.5	1,491.9	1,916.2	2,010.0	2,010.5	2,925.0	2,284.3	2,693.0	2,961.3	3,270.4
Wood and cork (not furniture)	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	70.0	180.0
Pulp, paper, and paper products	21	604.0	788.1	879.0	1,059.0	1,235.1	1,245.4	1,649.1	1,693.8	1,773.1	2,181.1	1,901.5	NA	NA	NA
Publishing, printing, and reproduction of recorded media	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coke, refined petroleum products, and nuclear fuel	23	1,897.0	1,997.0	2,180.0	2,306.0	2,498.0	2,277.0	2,152.0	1,950.0	1,760.0	1,654.0	1,689.7	1,808.0	615.0	1,176.2
Chemicals and chemical products	24	9,635.0	11,067.0	12,069.0	13,291.0	14,648.0	15,381.0	17,520.6	17,463.0	17,613.2	18,867.1	19,130.7	21,930.0	20,372.0	21,284.0
Chemicals (less pharmaceuticals)	24–2423	5,535.0	6,160.8	6,261.4	7,003.7	7,587.2	7,437.0	8,374.6	7,830.0	7,398.2	9,094.1	7,232.1	9,263.1	8,067.5	8,338.8
Pharmaceuticals	2423	4,100.0	4,906.2	5,807.7	6,287.4	7,060.8	7,944.0	9,146.0	9,633.0	10,215.0	9,773.0	11,898.7	12,666.9	12,304.5	12,945.2
Rubber and plastic products	25	607.0	752.5	884.7	1,152.6	1,236.2	1,323.3	1,178.4	1,617.0	1,254.6	1,488.9	1,438.9	1,841.7	1,845.0	1,693.0
Nonmetallic mineral products	26	995.0	737.7	636.8	615.8	483.5	509.7	538.0	591.0	448.0	468.0	633.5	727.0	617.0	886.0
Basic metals	27	730.0	637.1	686.0	739.0	714.0	522.0	669.0	690.0	593.0	746.2	988.0	785.0	470.0	624.0
Fabricated metal products	28	783.0	881.0	904.0	939.0	974.0	1,017.0	1,158.0	1,111.0	1,023.0	1,551.1	1,818.0	1,643.0	1,704.0	1,939.0
Machinery NEC	29	2,428.0	2,682.2	2,729.1	2,753.0	3,554.8	3,533.8	3,431.0	4,004.0	5,041.0	6,108.1	5,888.7	6,116.0	6,327.0	6,766.0
Office, accounting, and computing machinery	30	9,347.0	10,444.3	11,704.6	11,693.0	11,220.2	11,404.2	9,313.0	9,664.0	8,869.0	13,221.0	18,238.3	14,102.0	9,403.2	10,322.0
Electrical machinery	31	1,239.0	1,419.2	2,126.0	3,444.0	3,090.5	2,722.0	2,537.0	2,664.0	3,473.0	3,360.0	4,507.4	4,845.2	4,224.5	3,828.4
Radio, television, and communication equipment and apparatus	32	14,609.0	12,708.8	11,192.0	9,956.0	10,324.5	10,638.0	10,812.0	12,674.0	15,278.0	19,138.0	20,464.6	21,329.8	17,668.8	25,795.0
Electronic components (includes semi-conductors)	321	4,286.0	4,133.1	4,025.4	3,914.1	NA	NA	NA	NA	NA	NA	NA	NA	10,827.0	12,919.0
Television, radio, and communication equipment	32–321	10,323.0	8,575.7	7,166.6	6,041.9	NA	NA	NA	NA	NA	NA	NA	NA	6,841.8	12,876.0
Instruments, watches, and clocks	33	5,222.0	5,530.0	5,992.0	7,055.0	8,705.0	9,542.0	10,119.0	11,441.0	11,976.0	12,149.0	13,835.0	14,833.1	19,566.0	19,191.0
Motor vehicles	34	9,279.4	10,085.4	11,020.1	10,255.6	10,387.6	9,923.6	11,718.0	13,405.7	15,003.4	16,021.9	15,201.5	14,315.0	18,274.0	18,581.4
Other transport equipment	35	24,966.6	24,689.6	22,838.9	21,105.4	17,040.4	17,570.4	15,539.0	14,681.3	17,437.6	16,715.1	16,795.5	14,981.0	15,784.0	11,603.6
Ships	351	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aerospace	353	24,458.0	24,168.0	22,331.0	20,635.0	16,629.0	17,158.0	15,056.0	14,260.0	16,951.0	16,224.0	16,298.0	14,457.4	14,425.0	10,319.0
Other transport NEC	352, 359	508.6	521.6	507.9	470.4	411.4	412.4	483.0	421.3	486.6	491.1	497.5	523.6	1,359.0	1,284.6
Furniture, other manufacturing NEC	36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	862.0	782.0
Electricity, gas, and water	40, 41	266.0	236.0	234.0	244.0	278.0	292.0	342.0	403.0	440.0	352.0	300.0	303.2	142.0	155.0
Construction	45	NA	NA	NA	NA	NA	NA	NA	NA	NA	283.0	261.0	445.9	699.0	241.0
Total services	50–99	7,844.0	10,512.8	14,030.7	20,793.3	28,446.0	28,933.0	26,468.0	23,288.0	27,866.0	26,958.0	30,964.0	42,884.0	57,063.2	68,564.0
Wholesale, retail trade, motor vehicle repair, etc.	50–52	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,389.0	8,150.0	12,019.5	19,960.0	25,132.0
Hotels and restaurants	55	NA	NA	NA	NA	NA	NA	NA	NA	NA	272.0	155.0	113.0	NA	NA
Transport and storage	60–63	NA	NA	NA	NA	NA	NA	NA	NA	NA	223.0	681.0	424.5	466.0	277.0
Communications	64	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,103.0	2,017.0	2,151.8	NA	NA
Post	641	NA	NA	NA	NA	NA	NA	NA	NA	NA	73.0	58.0	103.0	NA	NA
Telecommunications	642	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,030.0	1,959.0	2,048.8	1,564.5	1,407.0
Financial intermediation (includes insurance)	65–67	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,297.0	1,499.1	1,586.7	1,577.2	4,025.0
Computer and related activities	72	3,805.0	3,828.0	3,784.0	4,629.0	5,769.0	6,663.0	5,003.0	4,292.8	7,822.0	6,944.1	8,868.0	11,935.1	10,670.3	14,799.0
Software consultancy	722	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,691.0	7,658.0
Other computer services NEC	72–722	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,979.3	7,141.0
Research and development	73	919.0	1,164.0	1,405.0	1,335.0	9,302.0	9,667.0	2,541.0	3,765.0	4,584.4	5,484.0	7,029.3	9,169.0	11,264.0	14,018.0

ISIC International Standard Industrial Classification; NA not available; NEC not elsewhere classified; PPP purchasing power parity

NOTES: Wood, paper, printing, and publishing (ISIC, R-3: 20...22) includes furniture (ISIC, R-3: 361). Pulp, paper, and paper products (ISIC, R-3: 21) includes publishing, printing, and reproduction of recorded media (ISIC, R-3: 22). Other transport NEC (ISIC, R-3: 3 for 1987–95). Total services (ISIC, R-3: 50...99) includes agriculture (ISIC, R-3: 1+2+5); mining (ISIC, R-3: 10...14); electricity, gas, and water (ISIC, R-3: 40+41), and construction (ISIC, R-3: 45). Industry-level data may not add to totals because of rounding and incomplete data.

SOURCE: Organisation for Economic Co-operation and Development, EAS, ANBERD database, July 2002.