

Appendix table 4-46

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R&D performed abroad by majority-owned foreign affiliates of U.S. parent companies, by selected NAICS industry of affiliate: 2002-04

(Millions of current U.S. dollars)

Industry/sector	2002	2003	2004
All industries.....	21,063	22,793	27,529
Mining.....	12	11	8
Oil and gas extraction.....	8	5	3
Other.....	4	6	4
Utilities.....	1	2	2
Manufacturing.....	18,736	19,819	23,288
Food.....	341	420	634
Beverages and tobacco products.....	D	8	23
Textiles, apparel, and leather products.....	56	61	68
Wood products.....	1	8	1
Paper.....	81	73	88
Printing and related support activities.....	2	9	11
Petroleum and coal products.....	D	44	43
Chemicals.....	5,141	5,528	6,254
Basic chemicals.....	117	115	147
Resins and synthetic rubber, fibers, and filaments.....	218	215	242
Pharmaceuticals and medicines.....	4,230	4,630	5,302
Soap, cleaning compounds, and toilet preparations.....	265	181	186
Other.....	311	386	377
Plastics and rubber products.....	316	290	293
Nonmetallic mineral products.....	66	54	378
Primary and fabricated metals.....	180	228	197
Primary metals.....	32	35	40
Fabricated metal products.....	148	193	157
Machinery.....	634	783	791
Agriculture, construction, and mining machinery.....	173	220	230
Industrial machinery.....	128	131	118
Other.....	334	433	443
Computers and electronic products.....	4,975	4,796	5,283
Computers and peripheral equipment.....	388	402	479
Communications equipment.....	3,131	2,987	3,179
Audio and video equipment.....	67	67	D
Semiconductors and other electronic components.....	1,043	949	1,057
Navigational, measuring, and other instruments.....	346	391	500
Magnetic and optical media.....	0	0	D
Electrical equipment, appliances, and components.....	425	498	551
Transportation equipment.....	5,964	6,455	7,741
Motor vehicles, bodies and trailers, and parts.....	5,553	5,928	7,161
Other.....	410	527	579
Furniture and related products.....	57	27	44
Miscellaneous manufacturing.....	432	535	887
Wholesale trade.....	610	692	1,205
Professional and commercial equipment and supplies.....	233	295	724
Other durable goods.....	67	70	*
Petroleum and petroleum products.....	1	2	136
Other nondurable goods.....	309	325	345
Information.....	591	818	843
Publishing industries.....	556	773	781
Motion picture and sound recording industries.....	*	*	0
Broadcasting and telecommunications.....	11	15	42
Broadcasting, cable networks, and program distribution.....	0	1	0
Telecommunications.....	11	15	42
Information services and data processing services.....	24	29	20
Finance (except depository institutions) and insurance.....	14	1	1
Finance, except depository institutions.....	13	1	1
Securities, commodity contracts, and other intermediation and related activities.....	13	*	1
Other finance, except depository institutions.....	0	*	0
Insurance carriers and related activities.....	1	0	*
Professional, scientific, and technical services.....	1,019	1,351	2,120
Architectural, engineering, and related services.....	120	51	152

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Industry/sector	2002	2003	2004
Computer systems design and related services	447	532	888
Management, scientific, and technical consulting	23	26	97
Advertising and related services	1	2	0
Other	428	741	982
Other industries	80	98	64
Agriculture, forestry, fishing, and hunting	D	D	D
Construction	0	*	8
Retail trade	D	8	4
Transportation and warehousing	1	*	*
Real estate and rental and leasing	2	2	2
Real estate	0	0	0
Rental and leasing (except real estate)	2	2	2
Management of nonbank companies and enterprises	42	D	D
Administration, support, and waste management	6	4	5
Health care and social assistance	*	*	0
Accommodation and food services	3	3	*
Accommodation	0	0	0
Food services and drinking places	3	3	*
Miscellaneous services	5	6	7

D = suppressed to avoid disclosure of confidential information; * = ≤\$500,000

NAICS = North American Industry Classification System

NOTES: Data for majority-owned (> 50%) nonbank foreign affiliates of nonbank U.S. parents. Data include R&D expenditures performed by affiliates, whether for themselves or for others under contract. Data exclude R&D expenditures by others for affiliates under contract. Preliminary estimates for 2004.

SOURCE: Bureau of Economic Analysis, Survey of U.S. Direct Investment Abroad (annual series), <http://www.bea.gov/bea/di/di1usdop.htm>, accessed 20 April 2007.

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