

Appendix table 4-50

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**R&D funded by and performed by majority-owned affiliates of foreign companies in United States,  
by NAICS industry of affiliate: 2002**

(Millions of current U.S. dollars)

Industry	Funded by affiliates			Performed by affiliates			
	Total	Performed by		Total	Funded by		
		Themselves	Others <sup>a</sup>		Themselves	Federal government	Others <sup>a</sup>
All industries.....	25,453	24,863	591	27,508	24,863	555	2,090
Manufacturing.....	19,746	19,222	524	20,228	19,222	521	484
Food.....	105	102	2	117	102	0	15
Beverages and tobacco products.....	84	80	4	80	80	0	0
Textiles, apparel, and leather products.....	D	D	0	D	D	0	0
Paper.....	82	81	1	81	81	0	0
Printing and related support activities.....	38	38	0	38	38	0	0
Petroleum and coal products.....	D	D	—	D	D	0	0
Chemicals.....	8,046	7,763	284	7,997	7,763	0	235
Basic chemicals.....	491	491	0	491	491	0	0
Resins and synthetic rubber, fibers, and filaments.....	261	261	0	261	261	0	0
Pharmaceuticals and medicines.....	6,752	6,469	284	6,703	6,469	0	235
Soap, cleaning compounds, and toilet preparations.....	321	321	0	321	321	0	0
Other.....	221	221	0	221	221	0	0
Plastics and rubber products.....	285	285	0	285	285	0	0
Nonmetallic mineral products.....	214	214	0	214	214	0	0
Primary and fabricated metals.....	161	155	6	204	155	45	4
Primary metals.....	49	48	1	50	48	0	2
Fabricated metal products.....	112	107	5	154	107	45	2
Machinery.....	1,732	1,727	5	1,872	1,727	D	D
Agriculture, construction, and mining machinery.....	190	189	2	189	189	0	0
Industrial machinery.....	333	333	—	333	333	0	0
Other.....	1,209	1,205	3	1,351	1,205	D	D
Computers and electronic products.....	4,579	4,395	185	4,885	4,395	D	D
Computers and peripheral equipment.....	675	675	0	675	675	0	0
Communications equipment.....	2,120	2,087	33	2,087	2,087	0	0
Semiconductors and other electronic components.....	351	351	0	351	351	0	0
Navigational, measuring, and other instruments.....	1,394	1,243	152	1,730	1,243	D	D
Other.....	39	39	0	42	39	0	3
Electrical equipment, appliances, and components.....	396	396	0	396	396	0	—
Transportation equipment.....	3,128	3,114	14	3,183	3,114	D	D
Motor vehicles, bodies and trailers, and parts.....	2,949	2,941	8	2,956	2,941	D	D
Other.....	179	173	6	227	173	54	0
Other.....	726	704	22	704	704	1	0
Wholesale trade.....	4,037	3,976	61	4,973	3,976	D	D
Motor vehicles and motor vehicle parts and supplies.....	382	328	55	334	328	0	6
Electrical goods.....	1,127	1,126	2	1,137	1,126	D	D
Petroleum and petroleum products.....	205	205	0	206	205	1	0
Other.....	2,321	2,317	5	3,296	2,317	0	979
Retail trade.....	53	53	0	53	53	0	0
Food and beverage stores.....	—	—	0	—	—	0	0
Other.....	53	53	0	53	53	0	0
Information.....	712	711	2	723	711	D	D
Publishing industries.....	668	667	1	679	667	D	D
Motion picture and sound recording industries.....	3	3	0	3	3	0	—
Telecommunications.....	11	11	1	11	11	0	0
Other.....	30	30	0	30	30	0	0
Finance (except depository institutions) and insurance.....	D	D	0	D	D	D	0
Finance, except depository institutions.....	D	D	0	D	D	D	0
Insurance carriers and related activities.....	6	6	0	6	6	0	0
Real estate and rental and leasing.....	21	21	0	21	21	0	0
Real estate.....	—	—	0	—	—	0	0
Rental and leasing (except real estate).....	21	21	0	21	21	0	0
Professional, scientific, and technical services.....	362	362	0	964	362	0	602
Architectural, engineering, and related services.....	58	58	0	D	58	0	D
Computer systems design and related services.....	125	125	0	125	125	0	0
Management, scientific, and technical consulting.....	12	12	0	12	12	0	0

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Other .....	168	168	0	D	168	0	D
Other industries .....	D	D	4	D	D	D	0
Agriculture, forestry, fishing, and hunting .....	77	77	0	77	77	0	0
Mining .....	140	136	4	D	136	D	0
Utilities .....	13	13	0	13	13	0	0
Construction .....	D	D	—	D	D	0	0
Transportation and warehousing .....	3	3	0	3	3	0	0
Management of nonbank companies and enterprises .....	7	7	0	7	7	0	0
Administration, support, and waste management .....	30	30	0	30	30	0	0
Health care and social assistance .....	D	D	0	D	D	0	0
Accommodation and food services .....	—	—	0	—	—	0	0
Miscellaneous services .....	D	D	0	D	D	0	0

— = ≤\$500,000; D = data withheld to avoid disclosing operations of individual companies

NAICS = North American Industry Classification System

<sup>a</sup> Including but not limited to foreign parents and affiliates of same company located outside United States.

NOTES: Second and fifth data columns show same data from two different perspectives. Data are preliminary estimates. Data for majority-owned (>50%) nonbank U.S. affiliates of foreign parent companies. R&D funded based on R&D spending according to funding source. R&D performed refers to R&D expenditures according to who conducts R&D activity, whether for performer itself or for others under contract, and excludes R&D expenditures conducted by others under contract.

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, Survey of Foreign Direct Investment in the United States (2002), <http://www.bea.gov/bea/di/di1fdiop.htm>.*Science and Engineering Indicators 2006*