

TABLE 117. Capital expenditures, total in the United States and for domestic R&D paid for by the company and by others and performed by the company, by industry and company size: 2010

(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	Structures	Equipment	Capitalized software	All other	Undistributed ^a
All industries	21–23, 31–33, 42–81	25,113	1,899	8,436	5,083 i	2,226	7,469
Manufacturing industries	31–33	13,545	1,410	6,546	1,191	1,332	3,066
Food	311	240	31	76	4	10	119
Beverage and tobacco products	312	39	1	32	1	*	5 i
Textiles, apparel, and leather products	313–316	38	* i	D	D	D	D
Wood products	321	69	0	27	D	0	D
Paper	322	142	12	32	1	6	92
Printing and related support activities	323	42	0	5	0	*	37
Petroleum and coal products	324	91	*	D	D	D	D
Chemicals	325	3,953	1,004	1,860	235	167 i	687
Basic chemicals	3251	193	21	99	3	2 i	67
Resin, synthetic rubber, fibers, and filaments	3252	58	11	25	*	3	19
Pesticide, fertilizer, and other agricultural chemical	3253	614 i	D i	D i	D i	22 i	D
Pharmaceuticals and medicines	3254	2,773	731	1,254	190	130 i	468
Soap, cleaning compound, and toilet preparation	3256	106	11	64	D	7	D
Paint, coating, adhesive, and other chemical	3255, 3259	210	D	D	1	3	D
Plastics and rubber products	326	480	19 i	127 i	5 i	130 i	200
Nonmetallic mineral products	327	142 i	15 i	62 i	D i	D i	39
Primary metals	331	107	3	20	2 i	6 i	76
Fabricated metal products	332	219	*	15	6	9	188
Machinery	333	944	50	444	34	62	353
Agricultural implement	33311	104	8	44	1	26	25
Semiconductor machinery	333295	100	3	88	*	*	9
Engine, turbine, and power transmission equipment	3336	206	3 i	42 i	1 i	6 i	155
Other machinery	other 333	533	36	270	32	31 i	164
Computer and electronic products	334	4,590	164 i	2,803	628	473 i	523
Communications equipment	3342	1,037	7	781	96	30	122 i
Semiconductor and other electronic components	3344	1,565	56	810	270	183	246
Navigational, measuring, electromedical, and control instruments	3345	1,150	49 i	572 i	188 i	224 i	117
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	261 i	10 i	78 i	68	74 i	32
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	572	20 i	349 i	51 i	134 i	18
Other measuring and controlling instruments	other 3345	317	20 i	144 i	69 i	17 i	67
Other computer and electronic products	other 334	837	51 i	640	73	35	39
Electrical equipment, appliances, and components	335	217	7 i	104 i	8 i	36 i	62
Transportation equipment	336	1,340	75	703	210	212	141
Automobiles, bodies, trailers, and parts	3361–3363	536	D	D	D	D	D
Aerospace products and parts	3364	628	46	331	51	175	24 i
Aircraft, aircraft engine, and aircraft parts	336411–336413	501	38	214	51	175	24 i
Guided missile, space vehicle, and related parts	336414, 336415, 336419	127	8	118	*	1	*
Military armored vehicle, tank, and tank components	336992	5	1	1	*	1	2
Other transportation	other 336	172 i	D i	D i	D i	D i	D i
Furniture and related products	337	26	*	7 i	1 i	3	15
Miscellaneous manufacturing	339	864	29	198	36	202	400
Medical equipment and supplies	3391	539	23	173	28	192	122
Other miscellaneous manufacturing	3399	325	6	25	8	9	278
Nonmanufacturing industries	21–23, 42–81	11,568	489	1,890	3,892 i	895	4,403
Mining, extraction, and support activities	21	271	11	132	D	D	72
Utilities	22	449	0	64	4	70	311
Construction	23	320	0	1	D	D	D
Wholesale trade	42	66	* i	1 i	D i	2 i	D
Retail trade	44, 45	171	*	D	D	D	D
Electronic shopping and electronic auctions	454111, 454112	120	*	D	D	D	D
Other retail trade	other 44, 45	51	*	*	0	*	51
Transportation and warehousing	48, 49	66	0	2	5	2	56

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Information	51	5,676	366	1,128	3,310 i	132	739
Publishing	511	1,883	D	712	700	77	D
Newspaper, periodical, book, and directory publishers	5111	120	0	96	13	2	8 i
Software publishers	5112	1,764	D	616	687	75	D
Telecommunications	517	2,627 i	*	32 i	D i	5	D i
Data processing, hosting, and related services	518	271	*	D	43	43	D
Other information	other 51	895	D	D	D	7	D
Finance and insurance	52	543	2	59	236	123	124
Real estate and rental and leasing	53	26	*	7	8	1	11
Professional, scientific, and technical services	54	2,686	109	445	258 i	499	1,375
Architectural, engineering, and related services	5413	99	1 i	19 i	2 i	2 i	75
Computer systems design and related services	5415	1,350	12 i	158 i	208 i	33 i	939
Scientific R&D services	5417	902	57	218	13	401	213
Biotechnology R&D	541711	382	33	107	3	113	126
Physical, engineering, and life sciences (except biotechnology) R&D	541712	519	24	110	11	288	86
Social sciences and humanities R&D	541720	1	0	0	0	0	1
Other professional, scientific, and technical services	other 54	335 i	39 i	50 i	34 i	63 i	148
Health care services	621-623	349	*	10	*	1	337
Other nonmanufacturing	55, 56, 624, 71, 72, 81	945	* i	D	D	D	D
All companies (number of employees)	-	25,113	1,899	8,436	5,083 i	2,226	7,469
Small companies (number of employees) ^b							
5-499	-	7,059	115	474	153	142	6,175
5-99	-	4,797	27	103	18	51	4,599
5-49	-	3,430	11	21	4	30	3,363
5-9	-	991	0	*	0	4	987
10-24	-	1,307	1 i	2	* i	D	D
25-49	-	1,132	11	19	4	D i	D
50-99	-	1,368	16	82	14	21	1,235
100-249	-	1,411	41	160	34	57	1,120
250-499	-	851	47	211	102	34	457
Medium and large companies (number of employees)							
500-999	-	1,595	182	362	341	99	612
1,000-4,999	-	4,105	490	1,851	611	718	436
5,000-9,999	-	3,067	532	1,778	410	266 i	81 i
10,000-24,999	-	2,311	213	1,283	394	337	84
25,000 or more	-	6,975	367 i	2,688	3,174 i	665	81 i

* = amount < \$500,000; D = data withheld to avoid disclosing operations of individual companies; i = value > 50% of estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = 2007 North American Industry Classification System.

^a Detailed data for capital expenditures for domestic R&D were not collected on Form BRDI-1A or BRDI-1B (the questionnaires sent to smaller companies). Form BRDI-1A and 1B data are included in undistributed column.

^b Upper bound based on U.S. Small Business Administration's definition of small business: Business R&D and Innovation Survey (BRDIS) does not include companies with fewer than five domestic employees.

NOTES: Detail may not add to total because of rounding. Industry classification based on dominant business code for domestic R&D performance where available. For companies that did not report business codes, classification used for sampling was assigned. Statistics are representative of companies located in United States that performed or funded R&D.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics and U.S. Census Bureau, Business R&D and Innovation Survey, 2010.