

TABLE CET-21

Companies performing or funding advanced engineering materials technology R&D, by industry: 2021

(Number and percent)

Industry	NAICS code	Companies (number)	Advanced engineering materials			
			Number		Percent	
			Yes	No	Yes	No
All industries	11, 21–23, 31–33, 42–81	4,874,928	17,768	4,857,160	0.4	99.6
Manufacturing industries	31–33	209,282	3,281	206,001	1.6	98.4
Food	311	19,326	21	19,305	0.1	99.9
Beverage and tobacco products	312	9,354	5 r	9,349	0.1 r	99.9
Textile, apparel, and leather products	313–16	9,443	69	9,374	0.7	99.3
Wood products	321	9,546	51 r	9,495	0.5 r	99.5
Paper	322	1,500	23 r	1,477	1.6 r	98.4
Printing and related support activities	323	20,212	27 r	20,185	0.1 r	99.9
Petroleum and coal products	324	546	4	542	0.8	99.2
Chemicals	325	7,961	267	7,694	3.4	96.6
Pesticide, fertilizer, and other agricultural chemicals	3253	580	6	574	1.0 r	99.0
Pharmaceuticals and medicines	3254	1,536	29	1,507	1.9	98.1
Soap, cleaning compound, and toilet preparation	3256	1,652	38 r	1,614	2.3 r	97.7
Other chemicals	other 325	4,194	193	4,001	4.6	95.4
Plastics and rubber products	326	7,060	172	6,888	2.4	97.6
Nonmetallic mineral products	327	7,290	97	7,193	1.3	98.7
Primary metals	331	2,079	95	1,984	4.6	95.4
Fabricated metal products	332	46,128	802	45,326	1.7	98.3
Machinery	333	16,440	535	15,905	3.3	96.7
Computer and electronic products	334	8,527	326	8,201	3.8	96.2
Communications equipment	3342	850	20	830	2.3	97.7
Semiconductor and other electronic components	3344	2,711	122	2,589	4.5	95.5
Navigational, measuring, electromedical, and control instruments	3345	3,737	153	3,584	4.1	95.9
Other computer and electronic products	other 334	1,230	33	1,197	2.7	97.3
Electrical equipment, appliances, and components	335	3,925	147	3,778	3.8	96.3
Transportation equipment	336	7,325	264	7,061	3.6	96.4
Automobiles, bodies, trailers, and parts	3361–63	4,494	155	4,339	3.4	96.6
Aerospace products and parts	3364	1,044	48	996	4.6	95.4
Other transportation	other 336	1,787	62	1,725	3.5	96.5
Furniture and related products	337	12,060	62 r	11,998	0.5 r	99.5
Miscellaneous	339	20,536	305	20,231	1.5	98.5
Medical equipment and supplies	3391	7,602	130	7,472	1.7	98.3
Other miscellaneous manufacturing	3399	12,933	176	12,757	1.4	98.6
Nonmanufacturing industries	11, 21–23, 42–81	4,665,645	14,493	4,651,152	0.3	99.7
Agriculture, forestry, fishing, and hunting	11	19,567	2	19,565	0.0	100.0
Mining, extraction, and support activities	21	14,004	30 r	13,974	0.2 r	99.8
Utilities	22	2,994	4	2,990	0.1 r	99.9
Construction	23	635,568	1,512	634,056	0.2	99.8
Wholesale trade	42	241,440	1,490	239,950	0.6	99.4
Retail trade	44–45	546,067	1,401	544,666	0.3	99.7
Transportation and warehousing	48–49	165,454	411	165,043	0.2	99.8
Information	51	65,445	303	65,142	0.5	99.5
Publishing	511	17,755	87	17,668	0.5 r	99.5
Newspaper, periodical, book, and directory publishers	5111	9,162	3	9,159	0.0	100.0
Software publishers	5112	8,589	85 r	8,504	1.0 r	99.0
Telecommunications	517	7,319	100	7,219	1.4 r	98.6
Data processing, hosting, and related services	518	8,346	17	8,329	0.2	99.8

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Other information	other 51	32,027	98 r	31,929	0.3 r	99.7
Finance and insurance	52	198,128	199	197,929	0.1	99.9
Real estate and rental and leasing	53	283,276	381	282,895	0.1	99.9
Lessors of nonfinancial intangible assets (except copyrighted works)	533	1,956	0	1,956	0.0	100.0
Other real estate and rental and leasing	other 53	281,321	381	280,940	0.1	99.9
Professional, scientific, and technical services	54	717,229	3,859	713,370	0.5	99.5
Legal services	5411	152,543	200 r	152,343	0.1 r	99.9
Accounting, tax preparation, bookkeeping, and payroll services	5412	109,075	90 r	108,985	0.1 r	99.9
Architectural, engineering, and related services	5413	87,994	1,510	86,484	1.7	98.3
Specialized design services	5414	29,258	5	29,253	0.0	100.0
Computer systems design and related services	5415	100,282	349	99,933	0.3	99.7
Management, scientific, and technical consulting services	5416	144,421	749	143,672	0.5	99.5
Scientific research and development services	5417	11,149	855	10,294	7.7	92.3
Advertising, public relations, and related services	5418	28,236	38 r	28,198	0.1 r	99.9
Other professional, scientific, and technical services	5419	54,270	65 r	54,205	0.1 r	99.9
Management of companies and enterprises	55	3,153	0	3,153	0.0	100.0
Administrative and support and waste management and remediation services	56	293,539	699	292,840	0.2	99.8
Educational services	61	57,078	4 r	57,074	0.0 r	100.0
Health care and social assistance	62	536,276	1,936	534,340	0.4	99.6
Health care services	621-23	469,939	1,742	468,197	0.4	99.6
Social assistance	624	66,336	193 r	66,143	0.3 r	99.7
Arts, entertainment, and recreation	71	89,491	46 r	89,445	0.1 r	99.9
Accommodation and food services	72	455,071	1,458	453,613	0.3	99.7
Other services	81	341,869	731	341,138	0.2	99.8

r = relative standard error > 50%.

NAICS = 2017 North American Industry Classification System.

Note(s):

Detail across rows may not add to total because of rounding or unavailable NAICS detail for select records beyond the 4-digit industry classification. Detail across columns have been adjusted to add to total. Industry classification is based on dominant establishment payroll. Statistics are representative of companies located in the United States.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, 2022 Annual Business Survey: Data Year 2021.