

TABLE 98

**Companies with contracted-out manufacturing that provided designs or specifications for the goods manufactured by others, by industry: 2019**

(Number and percent)

Industry	NAICS code	All companies	Provided designs or specifications for the goods manufactured by others	Did not provide designs or specifications for the goods manufactured by others	Did not answer
All industries	11, 21–23, 31–33, 42–81	187,745	57.9	41.8	0.2
Manufacturing industries	31–33	35,307	63.0	36.9	0.2 r
Food	311	1,288	66.8	33.1	0.0
Beverage and tobacco products	312	1,099	45.1	55.0	0.0
Textile, apparel, and leather products	313–16	1,769	72.2	27.7	0.0
Wood products	321	868	57.0	43.0	0.0
Paper	322	471	62.9	37.1	0.0
Printing and related support activities	323	4,008	64.8	35.2	0.0
Petroleum and coal products	324	53 r	96.1	3.9	0.0
Chemicals	325	1,138	55.1	45.0	0.0
Pesticide, fertilizer, and other agricultural chemical	3253	33	50.0	50.0	0.0
Pharmaceuticals and medicines	3254	291	68.3	31.7	0.0
Soap, cleaning compound, and toilet preparation	3256	254	55.7	44.3	0.0
Other chemicals	other 325	563	48.0	51.9	0.0
Plastics and rubber products	326	1,571	66.6	33.3	0.0
Nonmetallic mineral products	327	520	72.9	27.1	0.0
Primary metals	331	453	74.3	25.7	0.0
Fabricated metal products	332	7,484	56.1	43.3	0.6 r
Machinery	333	4,410	63.2	36.8	0.0
Computer and electronic products	334	2,584	70.0	30.0	0.0
Communications equipment	3342	310	74.9	25.1	0.0
Semiconductor and other electronic components	3344	770	68.5	31.5	0.0
Navigational, measuring, electromedical, and control instruments	3345	1,046	68.4	31.5	0.1 r
Other computer and electronic products	other 334	457	72.8	27.2	0.0
Electrical equipment, appliances, and components	335	878	67.9	32.0	0.0
Transportation equipment	336	1,486	61.9	37.8	0.3 r
Automobiles, bodies, trailers, and parts	3361–63	936	64.4	35.5	0.2 r
Aerospace products and parts	3364	249	42.0	57.2	0.8 r
Other transportation	other 336	302	70.5	29.5	0.0
Furniture and related products	337	1,570	61.0	39.0	0.0
Miscellaneous	339	3,635	68.3	31.6	0.0
Medical equipment and supplies	3391	1,312	71.6	28.4	0.0
Other miscellaneous manufacturing	3399	2,321	66.6	33.5	0.0
Nonmanufacturing industries	11, 21–23, 42–81	152,439	56.8	43.0	0.2
Agriculture, forestry, fishing, and hunting	11	430	54.8	45.2	0.0
Mining, extraction, and support activities	21	303	63.7	36.3	0.0
Utilities	22	30	61.3 r	38.7 r	0.0
Construction	23	17,183	50.6	48.9	0.5 r
Wholesale trade	42	46,723	59.8	39.9	0.3
Retail trade	44–45	32,562	56.0	44.0	0.0
Transportation and warehousing	48–49	1,971	39.2	58.6	2.2 r
Information	51	3,606	65.3	34.5	0.3 r
Publishing	511	2,493	60.0	39.5	0.4 r
Newspaper, periodical, book, and directory publishers	5111	1,887	63.4	36.5	0.0

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Software publishers	5112	605	49.4	48.6	1.8 r
Telecommunications	517	184	60.1	39.9	0.0
Data processing, hosting, and related services	518	306	82.3	17.7	0.0
Other information	other 51	624	79.0	21.0	0.0
Finance and insurance	52	1,008	47.6	52.5	0.0
Real estate and rental and leasing	53	2,619	45.7	54.2	0.0
Lessors of nonfinancial intangible assets (except copyrighted works)	533	96 r	100.0	0.0	0.0
Other real estate and rental and leasing	other 53	2,521	43.6	56.3	0.0
Professional, scientific, and technical services	54	17,902	64.9	35.1	0.0
Legal services	5411	451	32.4 r	67.6	0.0
Accounting, tax preparation, bookkeeping, and payroll services	5412	96 r	46.9 r	53.1 r	0.0
Architectural, engineering, and related services	5413	2,878	75.1	24.9	0.0
Specialized design services	5414	2,586	81.7	18.4	0.0
Computer systems design and related services	5415	1,818	66.2	33.8	0.0
Management, scientific, and technical consulting services	5416	4,237	54.0	46.0	0.0
Scientific research and development services	5417	1,611	76.7	23.3	0.0
Advertising, public relations, and related services	5418	2,545	56.8	43.2	0.0
Other professional, scientific, and technical services	5419	1,679	58.4	41.6	0.0
Management of companies and enterprises	55	145	41.4 r	58.6 r	0.0
Administrative and support and waste management and remediation services	56	3,503	41.4	58.6	0.0
Educational services	61	1,407	60.0	40.0	0.0
Health care and social assistance	62	8,374	62.7	36.8	0.5 r
Health care services	621-23	8,077	63.4	36.0	0.5 r
Social assistance	624	297	42.8	57.2	0.0
Arts, entertainment, and recreation	71	2,176	61.6	38.4	0.0
Accommodation and food services	72	6,063	51.1	48.0	0.9 r
Other services	81	6,436	42.6	57.4	0.0

r = relative standard error &gt; 50%.

NAICS = 2017 North American Industry Classification System.

**Note(s):**

Detail may not add to total because of rounding or unavailable NAICS detail for select records beyond the 4-digit industry classification. 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, 2020 Annual Business Survey: Data Year 2019.