

Table 2**Companies using critical and emerging technologies, by company size: 2021**

(Percent)

Employment size	Companies (number)	Advanced computing	Advanced sensing	Artificial intelligence	Autonomous systems and robotics	Additive manufacturing	Biotechnology	Human machine interface	Communication and networking technologies	Advanced financial technologies	Advanced semiconductors and microelectronics	Advanced engineering materials	Renewable energy generation and storage	Advanced gas turbine engine technologies	Advanced nuclear energy technologies
All companies	4,874,928	25.3	5.2	4.8	2.4	3.0	1.4	2.0	8.9	3.2	1.7	2.0	2.6	1.0	0.8
Micro companies															
1–4	2,734,191	22.2	4.4	4.3	1.9	2.4	1.4	1.8	7.4	2.8	1.4	1.5	2.4	1.0	0.9
5–9	950,548	25.7	5.2	4.8	2.4	3.5	1.6	2.0	8.6	3.6	1.7	2.1	2.7	1.2	0.9
Small companies															
10–19	577,397	29.4	5.7	5.2	2.7	4.0	1.8	2.0	10.7	3.9	1.9	2.4	2.7	1.0	0.9
20–49	399,566	31.7	6.6	5.1	3.2	4.0	1.2	1.8	12.4	4.2	2.0	2.5	3.0	1.2	0.6
Medium companies															
50–99	115,591	38.3	9.1	6.9	5.6	5.3	1.8	2.3	16.7	5.9	2.9	3.5	4.1	1.4	0.9
100–249	63,969	41.5	11.7	9.4	6.6	6.1	1.5	2.8	20.4	6.7	3.0	3.5	5.4	1.9	0.9
Large companies															
250–499	18,124	48.2	17.2	13.7	10.7	6.2	1.5	3.2	23.4	9.6	4.1	3.2	4.3	1.6	0.7
500–999	7,668	53.9	18.8	15.8	11.6	8.2	1.8	2.9	25.7	8.5	4.0	5.3	6.7	1.4	0.7
1,000–4,999	6,010	53.8	19.9	20.6	16.0	10.6	2.3	5.9	30.4	11.8	6.1	7.6	10.8	3.5	1.6
5,000–9,999	982	63.7	33.8	35.4	24.7	15.7	10.4	9.9	35.1	16.9	10.2	11.6	17.2	6.3	3.4
10,000–24,999	516	73.5	38.4	44.5	33.4	21.1	7.5	15.9	40.6	21.0	12.6	16.0	25.6	11.9	5.4
25,000 or more	372	55.4	39.8	44.2	32.9	18.9	8.7	18.9	48.5	25.9	16.7	17.4	25.6	8.3	4.1

Note(s):

Detail across rows may not add to total because of rounding. 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. Use is defined as "a lot," "somewhat," and "a little."

Source(s):

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