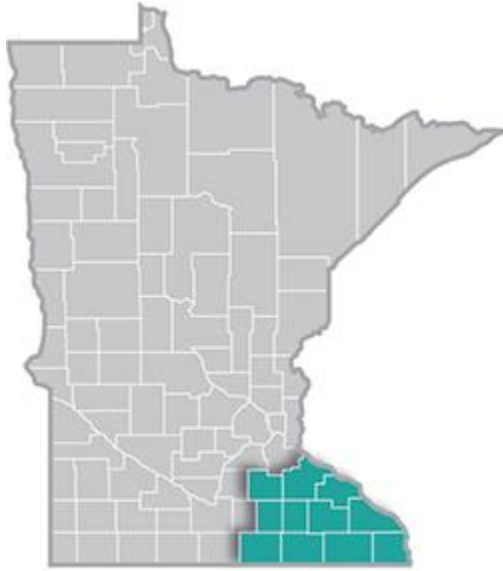


Southeast Minnesota – Manufacturing Overview



According to DEED’s [Quarterly Census of Employment and Wages](#) (QCEW) data, the 11-county Southeast Minnesota region was home to 672 manufacturing establishments providing 37,903 jobs in the first quarter of 2020. At that level, manufacturing accounted for 15.6% of total employment in the region, making it the second largest industry in the region behind health care and social assistance (66,649 jobs) and ahead of retail trade (25,739 jobs). Southeast has the second highest number of manufacturing jobs of the 6 regions in the state, and accounted for 11.9% of total statewide manufacturing employment.

In sum, these manufacturers provided just over \$590 million in quarterly payroll in the first quarter of 2020, making it the second largest industry in terms of payroll, behind health care and social assistance. Average annual wages in manufacturing were \$62,244, which was 16.3% higher than the total of all industries.

Table 1. Southeast Minnesota Manufacturing Industry Employment (1st Quarter 2020)

Industry Title	Number of Firms	Number of Jobs	Quarterly Payroll	Average Annual Wage
Total, All Industries	12,937	242,760	\$3,250,076,758	\$53,508
Manufacturing	672	37,903	\$590,132,032	\$62,244
Food Manufacturing	108	10,309	\$141,295,479	\$54,808
Computer and Electronic Product Manufacturing	28	4,885	\$129,210,400	\$105,768
Machinery Manufacturing	65	4,547	\$66,925,634	\$58,864
Fabricated Metal Product Manufacturing	124	4,087	\$54,081,215	\$52,884
Nonmetallic Mineral Product Manufacturing	46	2,639	\$36,759,180	\$55,692
Miscellaneous Manufacturing	67	1,597	\$18,567,810	\$46,488
Furniture and Related Product Manufacturing	45	1,511	\$22,601,539	\$59,800
Plastics and Rubber Products Manufacturing	21	1,347	\$18,262,331	\$54,184
Chemical Manufacturing	22	1,327	\$24,031,259	\$72,436
Printing and Related Support Activities	41	1,186	\$13,196,376	\$44,460
Wood Product Manufacturing	25	669	\$6,532,482	\$39,052
Transportation Equipment Manufacturing	15	613	\$8,672,792	\$56,576
Textile Product Mills	13	594	\$8,373,285	\$56,368
Paper Manufacturing	7	493	\$7,143,469	\$57,928
Primary Metal Manufacturing	11	415	\$6,751,534	\$65,052
Apparel Manufacturing	3	86	\$521,872	\$24,232

Source: DEED Quarterly Census of Employment and Wages

Food Manufacturing was easily the largest manufacturing sector in Southeast Minnesota, with 10,309 jobs at 108 establishments, and over \$141 million in quarterly payroll. The region had 22.6% of statewide employment in Food Manufacturing. The Food Manufacturing sector is made up of eight sub-sectors, including Animal Slaughtering and Processing (5,275 jobs), Grain and Oilseed Milling (1,800

jobs), Dairy Product Manufacturing (1,220 jobs), Fruit and Vegetable Preserving and Specialty Food Manufacturing (965 jobs), Other Food Manufacturing (613 jobs), Bakeries and Tortilla Manufacturing (221 jobs), Animal Food Manufacturing (174 jobs), and Sugar and Confectionery Product Manufacturing (40 jobs).

The second largest sector in the region is Computer and Electronic Product Manufacturing, which had 4,885 jobs at 28 establishments in the first quarter of 2020, and was also more concentrated in Southeast Minnesota than the state. Machinery Manufacturing (4,547 jobs) and Fabricated Metal Product Manufacturing (4,087 jobs) are the third and fourth largest sub-sectors. Combined, these four leading sectors provided 62.9% of total manufacturing jobs in the region.

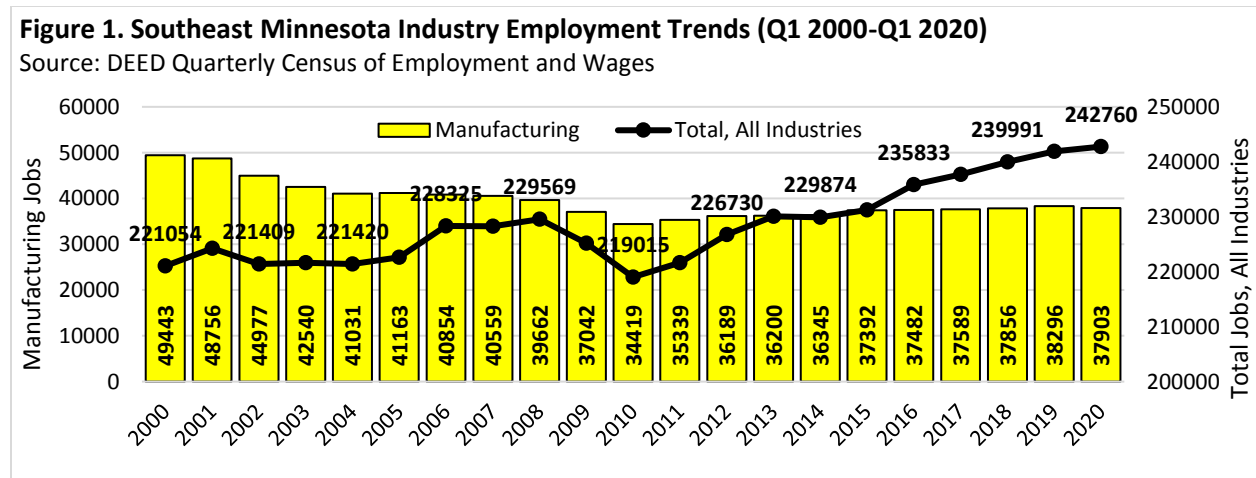
Southeast Minnesota also had large numbers of jobs in Nonmetallic Mineral Product Manufacturing (2,639 jobs), Miscellaneous Manufacturing (1,597 jobs), Furniture and Related Product Manufacturing (1,511 jobs), Plastics and Rubber Products Manufacturing (1,347 jobs), Chemical Manufacturing (1,327 jobs), and Printing and Related Support Activities (1,186 jobs). These six sectors accounted for another 25.3% of total manufacturing employment in the region.

The region also had smaller but notable employment in Wood Product Manufacturing (669 jobs), Transportation Equipment Manufacturing (613 jobs), Textile Product Mills (594 jobs), Paper Manufacturing (493 jobs) and Primary Metal Manufacturing (415 jobs).

Average annual wages in Manufacturing sat at \$62,244, which was 16.3% higher than the wages across all industries. These wages were led by high average weekly wages in Computer and Electronic Products Manufacturing (\$105,768), Chemical Manufacturing (\$72,436), Primary Metal Manufacturing (\$65.052), and Furniture and Related Product Manufacturing (\$59,800).

Industry Trends

Manufacturers in Southeast Minnesota cut about 15,024 jobs from 2000 to the height of the recession in 2010, with the lowest number of manufacturing jobs (34,419) occurring in the first quarter of 2010. Since then, the Southeast region has seen a slow but steady gain in manufacturing jobs, overall gaining 3,484 jobs from the first quarter of 2010 to the first quarter of 2020, an increase of 10.1%. Still, this number is much lower than what the region saw in 2000 where the number of manufacturing jobs sat at 49,443. Comparatively, the number of jobs across all industries increased by 10.8% from the first quarter of 2010 to the first quarter of 2020.



The biggest job declines in the past decade occurred in Computer and Electronic Product Manufacturing, which sliced 1,108 jobs from the first quarter of 2010 to the first quarter of 2020, an 18.5% decline. The region also suffered large drops in Miscellaneous Manufacturing, which cut 386 jobs, and Printing and Related Support Activities, which cut 344 jobs of their employment since the first quarter of 2010.

In sum, 3 of the 16 manufacturing sectors had fewer jobs in the first quarter of 2020 than in the first quarter of 2010, all three of which lost 18% or more of their employment. In contrast, 11 sectors saw employment growth since 2010, with the largest job gains occurring in Machinery Manufacturing, which added 1,185 jobs, Nonmetallic Mineral Product Manufacturing, which gained 899 jobs, and Food Manufacturing, which added 723 jobs. Southeast Minnesota also saw notable gains in Chemical Manufacturing, Plastics and Rubbery Product Manufacturing and Fabricated Metal Product Manufacturing, each of which saw an increase of over 480 jobs.

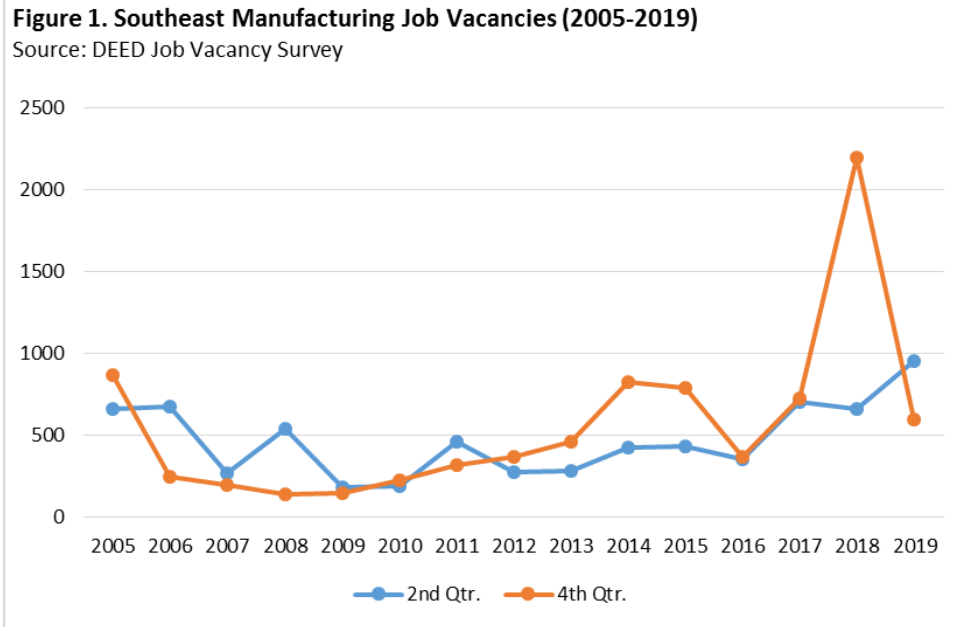
Encouragingly, 10 of the 16 sectors added jobs since 2015 and six sectors gained jobs in the past year. Unlike the ten-year trends, the biggest loss over the last year was seen in Printing and Related Support Activities, which lost 117 jobs over the past year while Nonmetallic Mineral Product Manufacturing dropped by 108 jobs. Notable recent gains were in Machinery Manufacturing, which saw a gain of 153 jobs since the first quarter of 2019. See Table 2.

Industry Title	Number of Jobs (Q1 2020)	1-Year Trend (Q1 2019-Q1 2020)		5-Year Trend (Q1 2015-Q1 2020)		10-Year Trend (Q1 2010-Q1 2020)	
		Numeric	%	Numeric	%	Numeric	%
Total, All Industries	242,760	843	0.3%	11,543	5.0%	23,745	10.8%
Manufacturing	37,903	-393	-1.0%	511	1.4%	3,484	10.1%
Food Mfg.	10,309	37	0.4%	129	1.3%	723	7.5%
Textile Product Mills	594	10	1.7%	-70	-10.5%	93	18.6%
Apparel Mfg.	86	N/A	N/A	N/A	N/A	N/A	N/A
Wood Product Mfg.	669	-10	-1.5%	76	12.8%	N/A	N/A
Paper Mfg.	493	-10	-2.0%	26	5.6%	13	2.7%
Printing & Related Support Activities	1,186	-117	-9.0%	-340	-22.3%	-344	-22.5%
Chemical Mfg.	1,327	-11	-0.8%	179	15.6%	531	66.7%
Plastics & Rubber Products Mfg.	1,347	25	1.9%	182	15.6%	493	57.7%
Nonmetallic Mineral Product Mfg.	2,639	-108	-3.9%	281	11.9%	899	51.7%
Primary Metal Mfg.	415	-51	-10.9%	-24	-5.5%	136	48.7%
Fabricated Metal Product Mfg.	4,087	-66	-1.6%	54	1.3%	489	13.6%
Machinery Mfg.	4,547	153	3.5%	617	15.7%	1,185	35.2%
Computer & Electronic Product Mfg.	4,885	-59	-1.2%	42	0.9%	-1,108	-18.5%
Transportation Equipment Mfg.	613	7	1.2%	-223	-26.7%	3	0.5%
Furniture & Related Product Mfg.	1,511	34	2.3%	170	12.7%	326	27.5%
Miscellaneous Mfg.	1,597	-58	-3.5%	-449	-21.9%	-386	-19.5%

Source: DEED Quarterly Census of Employment and Wages

Industry Demand

Overall, the steady recovery in manufacturing employment in recent years has led to a rising number of [job vacancies](#) across the Southeast Minnesota region. The 2,195 job vacancies reported by manufacturing employers in the fourth quarter of 2018 was by far the record high. Most recent estimates however show that



this number had dropped considerably from the fourth quarter of 2018 to the fourth quarter of 2019, falling by about 1,597 job vacancies. See figure 2.

The median wage offer for these manufacturing vacancies climbed to \$15.96 per hour in the fourth quarter of 2019. Only 16 % of the manufacturing vacancies required postsecondary education and over half (55%) required at least a year of prior work experience, which was up slightly compared with the last couple of years. Just two % of the posted manufacturing openings were part-time, as compared to 32% of vacancies across all industries. See Table 3.

Table 3. Southeast Minnesota Manufacturing Job Vacancy Survey (4th Qtr. 2019)

NAICS Industry Title	Number of Job Vacancies	Median Wage Offer	% Part-Time	% Requiring Post-Secondary Education	% Requiring 1+ Years Experience
Total, All Industries	10,599	\$15.00	32%	31%	38%
Manufacturing	598	\$15.96	2%	16%	55%

Source: DEED Job Vacancy Survey

The number of job vacancies in the region was composed of vacancies in seven areas, including Supervisors of Production Workers (24 vacancies), Assemblers and Fabricators (76 vacancies), Food Processing Workers (8 vacancies), Metal and Plastic Workers (168 vacancies), Textile, Apparel and Furnishings Workers (16 vacancies), Plant and Systems Operators (25 vacancies), and Other Production Workers (279 vacancies). The median wage offer for these production occupations ranged from \$11.81 for Food Processing Workers to \$31.08 for Supervisors of Production Workers. Manufacturers in Southeast Minnesota were also looking to hire sales and office, transportation and material moving, management, and installation, maintenance, and repair workers. See Table 4.

Table 4. Southeast Minnesota Production Occupations Job Vacancy Survey (4th Qtr. 2019)

SOC Occupational Title	Number of Job Vacancies	Median Wage Offer	% Part-Time	% Requiring Post-Secondary Education	% Requiring 1+ Years Work Experience
Total, All Occupations	10,599	\$15.00	32%	31%	38%
Production Occupations	598	\$15.96	2%	16%	55%
Supervisors of Production Workers	24	\$31.08	0%	51%	85%
Assemblers and Fabricators	76	\$16.97	4%	5%	37%
Food Processing Workers	8	\$11.81	60%	0%	0%
Metal and Plastic Workers	168	\$19.01	1%	39%	79%
Textile, Apparel, and Furnishings Workers	16	\$13.59	N/A	N/A	N/A
Plant and System Operators	25	\$19.44	4%	65%	96%
Other Production Occupations	279	\$13.41	0%	0%	40%
Office & Administrative Support	814	\$15.25	35%	30%	40%
Transportation & Material Moving	628	\$16.67	26%	7%	48%
Architecture & Engineering	82	\$28.29	1%	87%	87%
Management	300	\$32.18	19%	84%	97%
Installation, Maintenance & Repair	424	\$14.99	20%	8%	34%
Sales & Related	1,148	\$12.92	39%	9%	38%

Source: DEED Job Vacancy Survey

Industry Occupational Employment

DEED’s Occupational Employment Statistics (OES) program provides detailed employment and wage data for a wide range of occupations involved in manufacturing. In sum, there were an estimated 23,950 people working in production occupations in Southeast Minnesota, accounting for about 9.9% of total employment in the region.

As noted above, in addition to production occupations, manufacturers also require the services of workers in several other occupational groups, such as office and administrative support, transportation and material moving, architecture and engineering, management, and installation, maintenance and repair. Not surprisingly, wages were higher for the higher level positions. See Table 5.

Table 5. Southeast Minnesota Occupational Employment & Wage Statistics (2020)

SOC Occupational Title	Estimated Regional Employment	Regional Median Hourly Wage	Estimated Statewide Employment	Statewide Median Wage
Total, All Occupations	242,490	\$19.89	2,880,650	\$21.49
Production Occupations	23,950	\$18.54	212,650	\$19.03
Office & Administrative Support	27,260	\$18.22	363,800	\$20.03
Transportations & Material Moving	17,870	\$17.54	216,890	\$18.06
Architecture & Engineering	2,940	\$35.23	55,520	\$38.00
Management	10,720	\$43.33	170,650	\$52.70
Installation, Maintenance & Repair	8,830	\$22.58	100,060	\$24.31
Sales & Related	21,870	\$13.97	277,000	\$15.37
Business & Financial Operations	8,180	\$29.61	171,550	\$33.87
Computer & Mathematical	4,170	\$40.34	97,960	\$42.71

Source: DEED Occupational Employment Statistics

Team assemblers, slaughterers and meat packers, package and filling machine operators, first-line supervisors, and more are among the most common production jobs found at manufacturing firms in Southeast Minnesota, according to DEED’s Occupational Employment Statistics data. Median hourly wages for production occupations were \$18.54 in 2020, but ranged from \$12.05 for Butchers and Meat

Cutters to \$45.72 for Industrial Production Managers. Almost all of the production-related manufacturing occupations can be gained with a high school diploma and learned through on-the-job training, though some also benefit from vocational training or associate degrees. See Table 6.

Table 6. Southeast Minnesota Top 30 Production-Related Manufacturing Occupations (1st Qtr. 2020)

SOC Code	SOC Occupational Title	Estimated Regional Employment	Median Hourly Wage	Minnesota Educational Requirements
533032	Heavy & Tractor-Trailer Truck Drivers	4,110	\$22.07	High School or Equiv.
512090	Miscellaneous Assemblers & Fabricators	3,180	\$15.81	High School or Equiv.
537062	Laborers & Freight, Stock & Material Movers	2,970	\$16.51	High School or Equiv.
499071	Maintenance & Repair Workers, General	2,020	\$21.13	High School or Equiv.
519111	Packaging & Filling Machine Operators & Tenders	1,780	\$20.02	High School or Equiv.
513023	Slaughterers & Meat Packers	1,570	\$17.02	High School or Equiv.
511011	First-Line Supervisors of Production & Operating Workers	1,570	\$29.38	High School or Equiv.
513022	Meat, Poultry, & Fish Cutters and Trimmers	1,300	\$15.22	High School or Equiv.
514121	Welders, Cutters, Solderers, & Brazers	1,090	\$19.80	High School or Equiv.
519061	Inspectors, Testers, Sorters, Samplers, & Weighers	1,050	\$20.15	High School or Equiv.
537051	Industrial Truck & Tractor Operators	980	\$20.76	High School or Equiv.
514041	Machinists	880	\$22.02	Vocational Training
519199	Production Workers, All Other	670	\$18.56	High School or Equiv.
513092	Food Batchmakers	580	\$19.18	High School or Equiv.
499041	Industrial Machinery Mechanics	550	\$25.53	Vocational Training
514031	Cutting, Punching, & Press Machine Operators	510	\$20.24	High School or Equiv.
113051	Industrial Production Managers	450	\$45.72	Bachelor's Degree
519124	Coating, Painting, & Spraying Machine Operators	400	\$18.85	High School or Equiv.
514072	Molding, Coremaking, & Casting Machine Operators	380	\$17.79	High School or Equiv.
513021	Butchers and Meat Cutters	360	\$12.05	High School or Equiv.
514081	Multiple Machine Tool Operators	320	\$20.58	High School or Equiv.
519161	Computer Numerically Controlled Tool Operators	280	\$18.96	Vocational Training
513099	Food Processing Workers, All Other	280	\$14.30	High School or Equiv.
517011	Cabinetmakers & Bench Carpenters	280	\$20.79	High School or Equiv.
513011	Bakers	270	\$13.89	High School or Equiv.
514021	Extruding & Drawing Machine Operators	250	\$19.18	High School or Equiv.
515112	Printing Press Operators	250	\$22.08	High School or Equiv.
519198	Helpers--Production Workers	250	\$16.93	High School or Equiv.
519193	Cooling & Freezing Equipment Operators	240	\$23.46	High School or Equiv.
516011	Laundry & Dry-Cleaning Workers	230	\$13.85	High School or Equiv.

Source: DEED Occupational Employment Statistics and Minnesota Educational Requirements for Occupations

In addition to the production-related occupations, manufacturers also rely heavily on sales and office workers including manufacturing sales representatives, customer service representatives, and production, planning, shipping, and traffic clerks; transportation and material moving workers such as truck drivers and packers and packagers; engineering occupations like industrial, mechanical, and electrical engineers; management positions such as industrial production and general managers; and business and financial operations occupations like accountants and auditors.

Many of these occupations require higher education, but also offer higher wages. For example, all of the production-related engineering positions have median wages above \$30 per hour in Southeast Minnesota, with median wages over \$60 per hour for engineering managers, but also require bachelor's degrees at the minimum. Likewise, Software Developers and Sales Managers earn over \$45 per hour, and also require bachelor's degrees. In contrast, sales representatives required just a high school diploma, but also offered relatively high wages. See Table 7.

Table 7. Southeast Minnesota Top 20 Office-Related Manufacturing Occupations (1st Qtr. 2020)

SOC Code	SOC Occupational Title	Estimated Regional Employment	Median Hourly Wage	Minnesota Educational Requirements
414012	Sales Representatives, Wholesale & Manufacturing	2,070	\$28.77	High School or Equiv.
172112	Industrial Engineers	840	\$39.41	Bachelor's Degree
434051	Customer Service Representatives	3,290	\$16.54	High School or Equiv.
111021	General & Operations Managers	3,140	\$37.81	Bachelor's Degree
435071	Shipping, Receiving, & Traffic Clerks	980	\$17.46	High School or Equiv.
172141	Mechanical Engineers	330	\$36.15	Bachelor's Degree
113051	Industrial Production Managers	450	\$45.72	Bachelor's Degree
173026	Industrial Engineering Technicians	290	\$20.52	Associates Degree
439061	Office Clerks, General	4260	\$16.87	High School or Equiv.
436014	Secretaries & Administrative Assistants	3,340	\$17.78	High School or Equiv.
433031	Bookkeeping, Accounting, & Auditing Clerks	1,880	\$20.05	High School or Equiv.
131020	Buyers & Purchasing Agents	540	\$28.25	Bachelor's Degree
435061	Production, Planning, & Expediting Clerks	440	\$22.30	High School or Equiv.
151132	Software Developers	1,880	\$47.76	Bachelor's Degree
119041	Architectural & Engineering Managers	190	\$61.06	Bachelor's Degree
112022	Sales Managers	590	\$48.50	Bachelor's Degree
132011	Accountants and Auditors	960	\$30.60	Bachelor's Degree
172071	Electrical Engineers	250	\$49.40	Bachelor's Degree
271024	Graphic Designers	390	\$21.33	Bachelor's Degree
131161	Market Research Analysts & Marketing Specialists	680	\$25.37	Bachelor's Degree

Source: DEED Occupational Employment Statistics and Minnesota Educational Requirements for Occupations

Industry Outlook

According to DEED’s 2016 to 2026 Employment Outlook data, the Southeast Minnesota manufacturing industry is projected to gain about 700 jobs over the next decade, a 1.9% increase. The state of Minnesota as a whole is projected to lose about 5,400 manufacturing jobs from 2016 to 2026, a 1.7% decline. The increase in Manufacturing is in tandem to overall growth of 4.6% across the total of all industries in Southeast Minnesota.

Eight of the 20 sectors are expected to see job declines in the next decade, with the most severe losses projected in Computer and Electronic Product Manufacturing, which is expected to lose 1,124 jobs from 2016 to 2026. Leather and Allied Product Manufacturing, Furniture and Related Product Manufacturing, and Transportation Equipment Manufacturing are also projected to lose over 100 jobs.

In contrast, 12 of the 20 manufacturing sectors are expected to add jobs, led by an increase of 572 food manufacturing jobs and a strong resurgence in Machinery Manufacturing, which is projected to gain 421 net new jobs, a 10.4% expansion. The region may also see significant job growth in Nonmetallic Mineral Product Manufacturing and Miscellaneous Manufacturing, and smaller gains in sectors like Plastics and Rubber Products Manufacturing, Textile Product Mills, and Wood Product Manufacturing. See Table 8.

Table 8. Southeast Minnesota Manufacturing Industry Projections (2016-2026)

NAICS Code	Industry	Estimated Employment 2016	Projected Employment 2026	% Change 2016-2026	Numeric Change 2016-2026
0	Total, All Industries	273,731	286,229	4.6%	12,498
31	Manufacturing	37,965	38,669	1.9%	704
311	Food Manufacturing	10,510	11,082	5.4%	572
312	Beverage & Tobacco Product Mfg	163	236	44.8%	73
313	Textile Mills	98	127	29.6%	29
314	Textile Product Mills	714	873	22.3%	159
315	Apparel Mfg	11	4	-63.6%	-7
316	Leather and Allied Product Mfg	799	589	-26.3%	-210
321	Wood Product Mfg	620	745	20.2%	125
322	Paper Mfg	471	556	18.0%	85
323	Printing and Related Support Activities	1,453	1,379	-5.1%	-74
325	Chemical Mfg	1,229	1,229	0.0%	0
334	Computer and Electronic Product Mfg	4,721	3,597	-23.8%	-1,124
335	Electrical Equipment and Appliances Mfg	698	750	7.4%	52
336	Transportation Equipment Mfg	778	647	-16.8%	-131
337	Furniture and Related Product Mfg	1,404	1,224	-12.8%	-180
339	Miscellaneous Mfg	2,213	2,579	16.5%	366
326	Plastics & Rubber Products Mfg	1,100	1,354	23.1%	254
327	Nonmetallic Mineral Product Mfg	2,411	2,795	15.9%	384
331	Primary Metal Mfg	393	331	-15.8%	-62
332	Fabricated Metal Product Mfg	4,122	4,094	-0.7%	-28
333	Machinery Mfg	4,057	4,478	10.4%	421

Source: DEED Employment Outlook

Occupational Outlook

With the increase in Southeast Minnesota manufacturing employment, the number of production occupations is expected to increase modestly, leading to a projected 3.8% job increase from 2016 to 2026. In addition, the region is still expected to have significant demand for production workers over the next ten years due to a large number of labor force exit openings – jobs that become available because the existing worker retires out of the labor force or changes careers. There may be almost 11,750 total openings for production occupations in the region, primarily from replacement openings.

Overall, 34 of the 53 production occupations in the region are expected to see new job growth from 2016 to 2026, led by Production Helpers, Welders, Cutters, Solderers and Brazers, and Packaging and Filling Machine Operators, which are all projected to add more than 110 new jobs. Production Supervisors, Food Batchmakers, All Other Production Workers, and Machinists are also projected to have notable employment growth in the next decade.

In contrast, the biggest declines are projected for Team Assemblers, Inspectors, Testers, Sorters, Samplers and Weighers, All Other Assemblers and Fabricators, Cabinetmakers and Bench Carpenters, and Plating and Coating Machine Operators. Just five of the 53 production occupations are expected to lose more than 10% of their jobs, with Photographic Process Workers and Plating and Coating Machine Operators seeing the most rapid drop-offs.

Regardless of growth or decline, every occupation is expected to at least have some labor force exit openings from 2016 to 2026. The largest number of labor force exit openings are projected for Team Assemblers, Production Helpers, Packaging and Filling Machine Operators, and Food Batchmakers, each of which is anticipated to see over 500 labor force exit openings. See table 9.

Table 9. Top 25 Southeast Minnesota Production Occupation Projections (2016-2026)

SOC Code	SOC Occupational Title	Estimated Employment 2016	Projected Employment 2026	% Change	Total Change	Labor Force Exit Openings
0	Total, All Occupations	273,731	286,229	4.6%	12,498	131,011
510000	Production Occupations	25,093	26,056	3.8%	963	10,783
512092	Team Assemblers	2,487	2,408	-3.2%	-79	1,045
519198	Helpers--Production Workers	1,156	1,419	22.8%	263	690
519111	Packaging & Filling Machine Operators	1,381	1,497	8.4%	116	680
513092	Food Batchmakers	869	964	10.9%	95	503
511011	Supervisors of Production & Operating Workers	1,323	1,421	7.4%	98	437
514041	Machinists	1,115	1,209	8.4%	94	404
514121	Welders, Cutters, Solderers, & Brazers	917	1,074	17.1%	157	265
514031	Cutting, Punching, & Press Machine Operators	870	943	8.4%	73	328
519199	Production Workers, All Other	699	794	13.6%	95	293
519061	Inspectors, Testers, Sorters, Samplers, & Weighers	1010	936	-7.3%	-74	404
516031	Sewing Machine Operators	408	473	15.9%	65	250
512099	Assemblers & Fabricators, All Other	783	719	-8.2%	-64	321
515113	Print Binding & Finishing Workers	257	277	7.8%	20	203
516011	Laundry & Dry-Cleaning Workers	319	319	0%	0	214
515112	Printing Press Operators	451	459	1.8%	8	177
513011	Bakers	259	267	3.1%	8	169
514011	Computer-Controlled Machine Tool Operators	432	477	10.4%	45	125
513021	Butchers & Meat Cutters	280	303	8.2%	23	131
517011	Cabinetmakers & Bench Carpenters	349	317	-9.2%	-32	155
517042	Woodworking Machine Operators	248	268	8.1%	20	99
519121	Coating, Painting, & Spraying Machine Operators	313	333	6.4%	20	92
519032	Cutting & Slicing Machine Operators	222	244	9.9%	22	84
519023	Mixing & Blending Machine Operators	196	223	13.8%	27	75
514072	Molding, Coremaking, & Casting Machine Operators	262	258	-1.5%	-4	95
519195	Molders, Shapers, & Casters	124	143	15.3%	19	51

Source: DEED Employment Outlook

New graduates and other jobseekers will be important in filling the workforce pipeline in the manufacturing industry, which relies on a relatively old workforce. In 2019, over one-fourth (26.1%) of workers in the industry were 55 years or older, up from just 13.9% of the workforce back in 2004. In contrast, 8.8% of workers in the industry were under 25 years of age in 2019, down from 11.2% in 2004. Likewise, the percent of workers from 25 to 44 years of age dropped from 48.3% of the total in 2004 to just 42.3% in 2019. See Figure 3.

Figure 3. Southeast MN Manufacturing Workforce Demographics by Age
Source: DEED Quarterly Employment Demographics

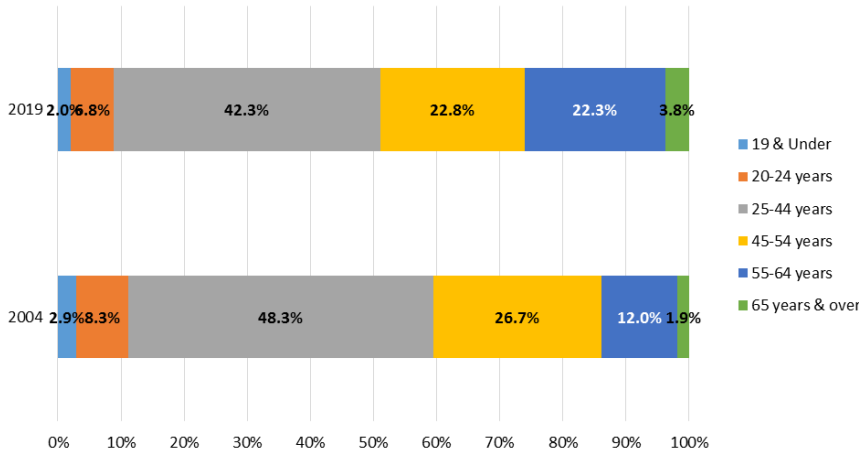
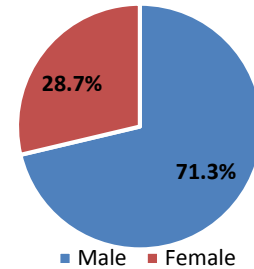


Figure 4. Southeast Minnesota Manufacturing Industry Workforce Demographics by Gender (2019)



Further demographic data from DEED’s Quarterly Employment Demographics program shows that the manufacturing industry is relatively non-diverse, with males accounting for 71.3% of workers (see Figure 4), and 86.9% reporting white as their race (see

Figure 5. Southeast Minnesota Manufacturing Industry Workforce Demographics by Race (2019)

Source: DEED Quarterly Workforce Indicators

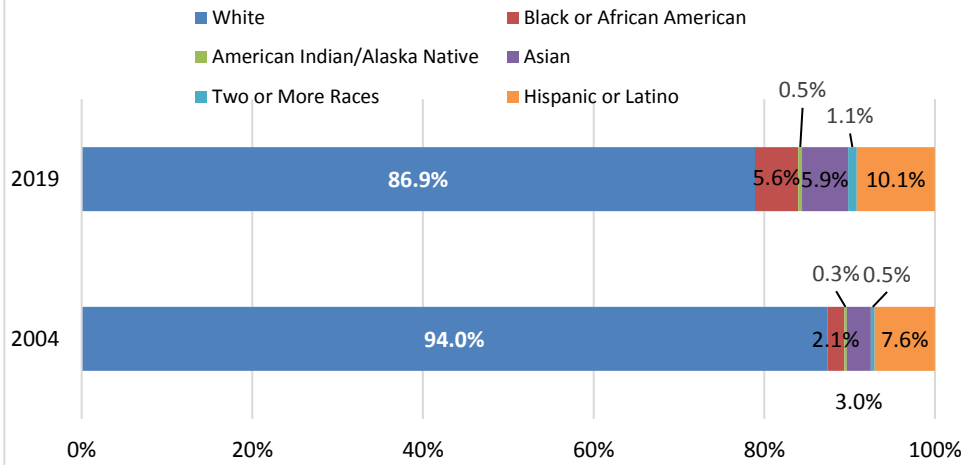


Figure 5). However, the racial diversity of the workforce has changed over time, with the number of manufacturing workers identifying as white alone declining by 5% from 2004 to 2019, compared to a 126.3 % increase in the number of jobholders of other race groups. Likewise, the number of Hispanic or Latino workers in manufacturing also jumped by 36.5% from 2004 to 2019. In the face of tight labor markets, manufacturers may need to tap into new labor pools in order to attract the talent they need to grow and replace existing workers in the future.

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<http://www.mn.gov/deed/data/regional-lmi/southeast-lmi.jsp>

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