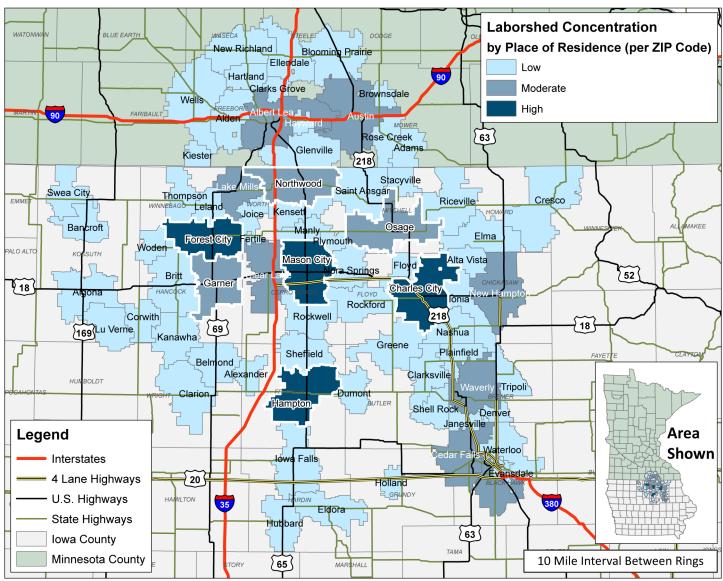
LABOR CHARACTERISTICS ADVANCED MANUFACTURING



NORTH CENTRAL IOWA ALLIANCE LABORSHED AREA

CONCENTRATION OF RESPONDENTS WITHIN THE LABORSHED AREA WITH TRANSFERABLE EXPERIENCE/SKILLS BY PLACE OF RESIDENCE



Workers who have transferable experience/skills in the industry are currently commuting an average of 13 miles one way for work. Those who are likely to change/accept employment are willing to commute an average of 24 miles one way for the right employment opportunity.

FOR MORE INFORMATION REGARDING THE NORTH CENTRAL IOWA ALLIANCE. IA LABORSHED. CONTACT:



North Central Iowa Marketing Alliance 9 North Federal Mason City, Iowa 50401 Phone: (641) 423-0315 | E-mail: wwb@wctatel.net www.northcentraliowa.net

LABOR CHARACTERISTICS

ADVANCED MANUFACTURING

ESTIMATED AVAILABLE LABOR PER OCCUPATIONAL CATEGORY:

- Cutting, Punching, & Press Machine Setters & Operators - 1,294
- Electricians 777 Engineers, All Other - 2,334
- **General & Operations** Managers - 5,445
- Health & Safety Engineers 257
- Heavy & Tractor-Trailer Truck Drivers - 11,668
- **Industrial Engineering** Technicians - 259
- Industrial Engineers 258
- Industrial Machinery Mechanics - 778
- **Industrial Production** Managers - 776
- Industrial Truck & Tractor Operators - 1,297
- Inspectors, Testers, Sorters, Samplers, & Weighers - 1,815
- Laborers & Freight, Stock, & Material Movers, Hand - 4,149
- Light Truck or Delivery Services Drivers - 1,296
- Machinists 1,295
- Maintenance & Repair Workers, General - 2,075
- Maintenance Workers, Machinery - 261
- Mechanical Drafters 517

- Mechanical Engineering Technicians - 260
- Milling & Planing Machine Setters & Operators - 519
- Molders, Shapers, & Casters - 521
- Multiple Machine Tool Setters & Operators - 5,704
- Packers & Packagers, Hand - 1,038
- Production Workers, All Other - 23,080
- Production, Planning, & Expediting Clerks - 1,556
- Shipping, Receiving, & Traffic Clerks - 1,037
- Stock Clerks & Order Fillers - 1.557
- Structural Metal Fabricators & Fitters - 518
- Supervisors of Mechanics, Installers, & Repairers - 2,074
- Supervisors of Production & Operating Workers - 3,630
- Supervisors of Transportation & Material-Moving Machine & Vehicle Operators - 779
- Team Assemblers 4,927
- Tool & Die Makers 520
- Welders, Cutters, Solderers, & Brazers - 4,667

AN ESTIMATED TOTAL OF 88,938 PEOPLE IN THE LABORSHED AREA

UNDEREMPLOYMENT (ESTIMATED):

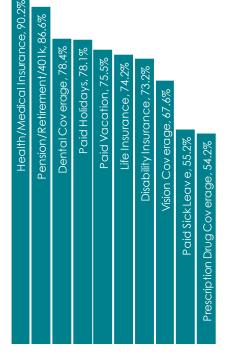
Low hours - 0.6%

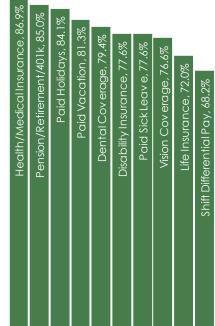
CURRENT BENEFITS:

- Mismatch of skills 3.2%
- Low income 0.0%
- □ Total 3.8%

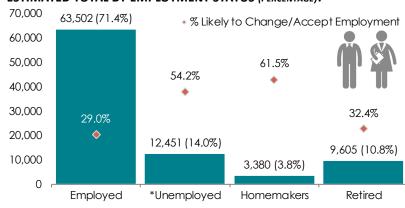
(Individuals counted only once when estimating Total Underemployment.)

DESIRED BENEFITS:





ESTIMATED TOTAL BY EMPLOYMENT STATUS (PERCENTAGE):



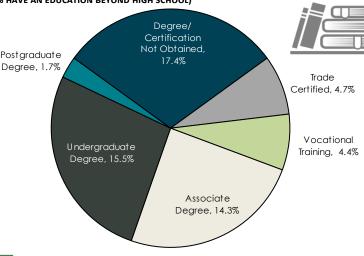
*Employment status is self-identified by the survey respondent. The unemployment percentage does not reflect the unemployment rate published by the U.S. Bureau of Labor Statistics, which applies a stricter definition.

EMPLOYMENT STATS:

- 78.5% paid an hourly wage
- 92.1% are/were employed full-time
- 7.9% are/were employed part-time
- 7.6% are/were self-employed
- □ 15.9% hold two or more jobs
- Currently working an average of 48 hours/week

EDUCATIONAL LEVEL:

(58.0% HAVE AN EDUCATION BEYOND HIGH SCHOOL)



TOP JOB SEARCH RESOURCES:

(For those seeking employment opportunities, by use.)

- Internet 66.9%
- www.indeed.com
- www.iowajobs.org
- www.monster.com
- Networking through friends, family or acquaintances - 24.8%
- Newspapers 24.5%
 - Globe Gazette Mason City
- IowaWORKS Centers 24.2%

WORKPLACE FLEXIBILITY:

(by percent of interest)

- Cross-training 76.1%
- Job teams 72.9%
- Job sharing 48.6%
- Varied shifts 39.4%
- Seasonal work 48.1%
- Temporary work 47.2%



LABOR CHARACTERISTICS

ADVANCED MANUFACTURING

OCCUPATION							
Assimilational and Cist Drafters 17-3011	OCCUPATION						
Assimilational and Cist Drafters 17-3011	Accountants and Auditors	13-2011	\$27.00	\$17.78	\$31.62	\$25.24	\$56,168
Architectural and teginneering Managers							
Assemblers and fibritrators, all other, including seam assemblers October Numerically Controlled Machine Tool Programmen, Metal and Plastic Computer Numerically Controlled Machine Tool Programmen, Metal and Plastic Computer School (Part School) School School School (Part School) October Numerically Controlled Machine Tool Programmen, Metal and Plastic Computer Controlled Machine Tool Operators, Metal and Plastic Controlled Machine Tool Operators, Metal and Plastic Controlled Machine Tool Operators, Metal and Plastic Controlled Machine Tool School Scho		1					
Coasting, Partiting, and Spraying Mechine Setters, Operations, and Tenders \$19,922 \$12.76 \$12.66 \$21.76 \$31.661 \$32.87 \$14.002 \$11.00 \$11.000 \$1					·		· · ·
Computer Numerically Controlled Machine Tool Programmen, Metal and Plassite S1-002 S21.18 S16.70 S23.40 S21.18 S34.095 S23.40 S23.005 S34.005 S3							
Massite		51 5121	ψ13.7 <i>0</i>	Ÿ12.12	ψ27110	ψ10101	
Computer Computer Departors 44-9011 \$18.97 \$11.10 \$18.90 \$18.65 \$18.006 \$18.105 \$18.006		51-4012	\$21.13	\$16.49	\$23.45	\$21.18	\$43,953
Computer-Controlled Mechine Tool Operators, Metal and Pisatic		43-9011	\$16.37	\$11.30	\$18.90	\$16.64	\$34.046
Control and Valve Installers and Repairers, Except Mechanical Door	· · ·						
Coshing, Grinding, and Polishing Machine Settlers, Operators, and Tenders S19021 S1803 S1104 S1706 S1824 S1827 S1827 S1828 S1107 S1415 S1938 S1726 S308,00 Cutting and Mine Settlers, Operators, and Tenders S19032 S1838 S1707 S1415 S1948 S1764 S308,00 Cutting Dunching, and Press Machine Settlers, Operators, and Tenders, Metal and Mastic Drafters, All Other Drafters, All Other Drafters, All Other S1928 S1708 S1808 S1709 S1709 S1709 S1700	, , ,						
Outing, and Sixing, Machine Setters, Operators, and Tenders \$1,9032 \$15,038 \$11,75 \$1935 \$15,752 \$35,008 Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Pastic 17-8091 \$12,22 \$17,00 \$14,15 \$1948 \$17,64 \$36,81 Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Pastic 17-3012 \$22,22 \$17,03 \$25,72 \$22,22 \$17,03 \$15,03 \$24,06 \$21,13 \$43,78 Electrical and Electronic Engineering Technicians 17-3023 \$27,99 \$19,14 \$24,00 \$22,1							
Cutting Punching, and Press Machine Setters, Operators, and Tenders, Metal S1-4031 S17.00 S14.15 S19.48 S17.66 S38.817 S38.817 S19.48 S17.60 S38.817 S19.48 S17.60 S18.618 S17.618							
Strate							
Deafters, All Other		51-4031	\$17.70	\$14.15	\$19.48	\$17.64	\$36,817
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic St. 103		17-3019	\$22.82	\$17.03	\$25.72	\$22.23	\$47 473
Plastic							
Electrical and Electronics Regineering Technicians		51-4032	\$21.05	\$15.03	\$24.06	\$21.13	\$43,784
Electrical and Electronics Repairers, Commercial and Industrial Equipment 49-2094 \$26.69 \$21.00 \$29.51 \$22.752 \$555.519 Electrical Engineers 17-2071 \$45.88 \$36.88 \$50.63 \$56.64 \$555.60 \$66.04 \$555.60 \$60.04 \$556.04 \$556.04 \$52.00 \$60.00 \$	Electrical and Electronics Drafters	17-3012	\$27.61	\$15.50	\$33.66	\$31.33	\$57,425
Electrical Engineers	Electrical and Electronics Engineering Technicians	17-3023	\$27.99	\$19.14	\$32.41	\$27.80	\$58,215
	Electrical and Electronics Repairers, Commercial and Industrial Equipment	49-2094	\$26.69	\$21.05	\$29.51	\$27.52	\$55,519
Engineering Technicians, Except Drafters, All Other 17-2199 18-23-22 18-18-11 18-22-78 18-22 18-	Electrical Engineers	17-2071	\$45.88	\$36.38	\$50.63	\$46.04	\$95,440
Engineers, All Other 17-2199 \$32.34 \$11.67 \$39.67 \$30.22 \$67.269 Financial Managers 11.3031 \$47.32 \$27.17 \$57.40 \$43.73 \$98.424 First-Une Supervisor of Production and Operating Workers 51.1011 \$27.56 \$19.29 \$31.69 \$31.69 \$26.60 \$57.316 General and Operations Managers 11.1021 \$43.41 \$20.96 \$54.64 \$35.26 \$99.302 Gridingia, Lapinja, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic \$40.000 \$31.40 \$40.000 And Tenders, Metal and Plastic \$40.000 \$40.000 \$40.000 Helpers - Production Workers \$1.9198 \$13.06 \$10.52 \$14.33 \$12.71 \$27.166 Industrial Engineering Technicians \$17.3026 \$25.48 \$318.57 \$28.93 \$24.70 \$52.991 Industrial Engineering Technicians \$17.3026 \$25.48 \$318.57 \$28.93 \$24.70 \$52.991 Industrial Machinery Mechanics \$49.9041 \$23.71 \$37.43 \$27.15 \$42.56 \$55.47 \$77.847 Industrial Truck and Tractor Operators \$3.7051 \$31.84 \$29.58 \$51.72 \$41.58 \$92.229 Industrial Truck and Tractor Operators \$3.7051 \$31.68 \$31.32 \$318.56 \$16.73 \$34.978 Inspectors, Testers, Sorters, Samplers, and Weighers \$3.7051 \$31.88 \$31.32 \$318.56 \$16.73 \$34.978 Labor Relations Specialists \$3.1075 \$33.08 \$31.76 \$42.74 \$33.16 \$68.814 Laborers and Freight, Stock, and Material Movers, Hand \$3.7062 \$31.56 \$11.38 \$18.25 \$15.88 \$33.198 Laght Truck or Delivery Services Drivers \$3.7062 \$31.56 \$11.38 \$31.22 \$20.88 \$33.39 Machanical Engineers \$1.7012 \$31.45 \$32.32 \$31.50 \$32.54 \$31.32 \$31.50 \$32.54	Electricians	47-2111	\$22.99	\$15.67	\$26.64	\$21.89	\$47,809
Financial Managers	Engineering Technicians, Except Drafters, All Other	17-3029	\$25.22	\$18.11	\$28.78	\$23.22	\$52,466
First-Line Supervisors of Production and Operating Workers	Engineers, All Other	17-2199	\$32.34	\$17.67	\$39.67	\$30.22	\$67,269
Seneral and Operations Managers 11-1021 \$43.41 \$20.96 \$54.64 \$35.26 \$90.302	Financial Managers	11-3031	\$47.32	\$27.17	\$57.40	\$43.73	\$98,424
Sinding Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic Sinding Machine Tool Setters, Operators, and Tenders, Metal and Plastic Sinding Machine Tool Setters, Special Sinding Machine Sinding Ma	First-Line Supervisors of Production and Operating Workers	51-1011	\$27.56	\$19.29	\$31.69	\$26.60	\$57,316
and Tenders, Metal and Plastic \$3,4032 \$1,40333 \$1,40333 \$1,40333 \$1,40333 \$1,40333 \$1,40333 \$1,40333 \$1,40333 \$1,40333 \$1,40333 \$1,40333 \$1,40333 \$1	General and Operations Managers	11-1021	\$43.41	\$20.96	\$54.64	\$35.26	\$90,302
Heavy and Tractor-Trailer Truck Drivers \$3-3032 \$19.15 \$13.98 \$21.74 \$17.96 \$39.841 Helpers-Production Workers \$1-9198 \$13.06 \$10.52 \$14.33 \$12.71 \$27.166 Industrial Engineering Technicians 17-3026 \$25.48 \$18.57 \$28.93 \$24.70 \$52.991 Industrial Engineers 17-2112 \$37.43 \$27.15 \$42.56 \$35.47 \$77.847 Industrial Machinery Mechanics 49-9041 \$23.71 \$17.91 \$26.61 \$24.12 \$49.319 Industrial Production Managers 11-3051 \$44.34 \$29.56 \$55.72 \$41.56 \$92.229 Industrial Truck and Tractor Operators \$3-7051 \$16.82 \$13.32 \$18.56 \$16.73 \$34.978 Inspectors, Testers, Sorters, Samplers, and Weighers \$51.9061 \$18.32 \$13.22 \$20.88 \$17.23 \$38.112 Labor Relations Specialists \$13-1075 \$33.08 \$51.76 \$42.74 \$33.16 \$68.814 Laborers and Freight, Stock, and Material Movers, Hand \$3-7062 \$15.96 \$11.38 \$18.25 \$15.88 \$33.398 Light Truck or Delivery Services Drivers \$53-3033 \$16.02 \$9.95 \$19.05 \$13.61 \$33.315 Machinists \$14.041 \$19.47 \$15.46 \$21.47 \$18.84 \$40.491 Maintenance Workers, Machinery \$49-9043 \$22.06 \$15.27 \$25.46 \$22.31 \$45.844 Mechanical Drafters \$17-3013 \$23.86 \$17.76 \$26.91 \$23.33 \$49.627 Mechanical Engineering Technicians \$17-2027 \$25.15 \$19.47 \$18.84 \$40.400 Mechanical Engineering Technicians \$17-2027 \$25.15 \$19.47 \$18.40 \$20.05 \$18.24 \$37.387 Painting and Blending Machine Setters, Operators, and Tenders \$19-023 \$19.42 \$14.16 \$22.05 \$18.24 \$37.387 Painting and Goating Machine Setters, Operators, and Tenders \$19-023 \$19.42 \$14.16 \$22.05 \$18.24 \$37.387 Painting and Coating Machine Setters, Operators, and Tenders \$19-023 \$19.42 \$14.16 \$22.05 \$18.24 \$37.387 Painting and Coating Machine Setters, Operators, and Tenders \$19-023 \$19.25 \$19.50 \$19.33 \$19.45 \$48.24 Sheep Representatives, Services, All Other \$19-199 \$13.30		51-4033	\$14.86	\$9.75	\$17.41	\$14.28	\$30,899
Helpers-Production Workers		52-2022	\$10.15	\$12.08	\$21.74	\$17.06	\$20.9/1
Industrial Engineering Technicians	,						
Industrial Engineers							
Industrial Machinery Mechanics							
Industrial Production Managers							
Industrial Truck and Tractor Operators \$33-7051 \$16.82 \$13.32 \$18.56 \$16.73 \$34,978 Inspectors, Testers, Sorters, Samplers, and Weighers \$13-9061 \$18.32 \$13.22 \$20.88 \$17.23 \$38,112 Labor Relations Specialists \$13-1075 \$33.08 \$13.76 \$42.74 \$33.16 \$588,112 Labor Relations Specialists \$13-1075 \$33.08 \$13.76 \$42.74 \$33.16 \$588,112 Labor Relations Specialists \$13-1075 \$33.08 \$13.76 \$42.74 \$33.16 \$588,112 Labor Relations Specialists \$13-1075 \$33.08 \$13.76 \$42.74 \$33.16 \$588,112 Labor Relations Specialists \$13.25 \$15.88 \$33.198 Light Truck or Delivery Services Drivers \$53-7062 \$15.96 \$11.38 \$18.25 \$15.88 \$33.198 Light Truck or Delivery Services Drivers \$53-3033 \$16.02 \$9.95 \$19.05 \$13.61 \$33.315 Machinists \$51-4041 \$19.47 \$15.46 \$21.47 \$18.84 \$40.491 Maintenance Workers, Machinery \$49-9043 \$22.06 \$15.27 \$25.46 \$22.31 \$45.894 Maitenance Workers, Machinery \$49-9043 \$22.06 \$15.27 \$25.46 \$22.31 \$45.894 Materials Engineers \$17-2131 \$31.45 \$23.32 \$35.52 \$28.91 \$65.413 Mechanical Engineering Technicians \$17-3013 \$23.86 \$17.76 \$26.91 \$23.33 \$49.627 Mechanical Engineering Technicians \$17-3013 \$23.86 \$17.76 \$26.91 \$23.33 \$49.627 Mixing and Blending Machine Setters, Operators, and Tenders \$17-2141 \$31.89 \$22.59 \$36.54 \$31.66 \$66,327 Mixing and Blending Machine Setters, Operators, and Tenders \$19.023 \$19.42 \$14.16 \$22.05 \$18.40 \$40,000 Mobile Heavy Equipment Mechanics, Except Engines \$49-3042 \$22.88 \$17.93 \$24.90 \$22.37 \$46,900 Painters, Transportation Equipment \$51-9122 \$18.51 \$14.07 \$20.72 \$18.02 \$38.491 Painters, Transportation Equipment \$51-9129 \$13.30 \$9.24 \$15.33 \$13.41 \$27,661 Sales Representatives, Services, All Other \$1-9199 \$13.30 \$9.24 \$15.33 \$13.41 \$27,661 Sales Representatives, Services, Al							
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Mechanical Drafters 17-3013 \$23.86 \$17.76 \$26.91 \$23.33 \$49,627 Mechanical Engineering Technicians 17-3027 \$25.15 \$19.47 \$27.99 \$24.21 \$52,309 Mechanical Engineers 17-2141 \$31.89 \$22.59 \$36.54 \$31.66 \$66,327 Mixing and Blending Machine Setters, Operators, and Tenders 51-9023 \$19.42 \$14.16 \$22.05 \$18.40 \$40,000 Mobile Heavy Equipment Mechanics, Except Engines 49-3042 \$22.58 \$17.93 \$24.90 \$22.37 \$46,960 Painters, Construction and Maintenance 47-2141 \$17.97 \$13.42 \$20.25 \$18.24 \$37,387 Painters, Transportation Equipment 51-9122 \$18.51 \$14.07 \$20.72 \$18.02 \$38,491 Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic \$17.08 \$13.80 \$18.72 \$16.94 \$35,535 Production Workers, All Other 51-9199 \$13.30 \$9.24 \$15.33 \$13.41 \$27,661 Sales Representatives, Services, All Other<							
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Welders, Cutters, Solderers, and Brazers 51-4121 \$18.49 \$14.34 \$20.57 \$18.04 \$38,469		1					
	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	51-4122	\$18.92	\$17.29	\$19.74	\$18.53	\$39,364
Walding Soldering and Brazing Machine Setters Operators, and Tenders 51-4122 \$10.001 \$17.001 \$10.741 \$10.501 \$20.0041	werding, Jordening, and Brazing Machine Setters, Operators, and Tenders	31-4122	\$10.92	\$17.29	\$19.74	\$10.55	35,504

The 2018 lowa Wage data for the North Central lowa Alliance Laborshed area was produced by the Labor Force & Occupational Analysis Bureau to provide communities local information on wages by occupation. The source of the wage and employment data is based on the May 2017 OES estimates. Additional occupational wage and employment data can be found at www.iowalmi.gov/laborshed.