## LABOR CHARACTERISTICS

# ADVANCED MANUFACTURING

### STATE OF IOWA LABORSHED AREA

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

LAKE MOODY	PIPESTONE	MURRAY	COTTONWOOD	WATONWAN	BLUE EARTH	WASECA	STEELE	DODGE	OLMSTED		l ea	end	
MINNEHAHA	ROCK	NOBLES	JACKSON	MARTIN	FARIBAULT	FREE	EBORN	MOWER	FILLMORN		Iowa Co	unties	
											Illinois C	ounties	
	Rock Rar	osceo	Spirit-Lake	or h	Thom			Stacyville	Cresco	Dorchester		ta Counties	
	YON Ge	orge Achton		EMMET	-y 1 h	eland Joice	e Manly	ТМГСНЕЦ	HOWARD	Waukon Allamake	🛛 Missouri	Counties	
LINCOLN T	<u>_</u>	ASILUIT	Milford	Forest Hanlontown			ntown	Watanvilla				Nebraska Counties	
Ro	CK Valley	Sheldon Hart	ley Ruthy	en 2	Cit	2 00011101				NNESHIEK Monono	Courth D	akota Counties	
- Ss	SIOUX Cent	Primgh	Spencer En	Landra A	gona		ar City	Charles	Hampton	West Margu		n Counties	
CLAY UNION	PEYMOUTH -	Remsen	eterson Al	Mallard	Kanav	wha	GORDO FL	Greene	edericksburg	Union Mc Gr	egor	CDEEN	
Akro	n Le Mai	<sup>3</sup> Cleanon				Belmond	the way	Clarksville	BREMER Ma	Fayette Elkader	CLAYTON GRANT	GREEN _	
	1errill	Cherokee	1 5 W		Eagle Gro	Tiaini		iont 77	Denver Oel	Iwein Colesb	ura	LAFAYETTE	
City	Hinton	Washta		Manson	t Dodgo				Dunkerton	BUCHANAN New-Vi			
DIXON			Sac City	Pomeroy Fo	and webs	lairsburg	Ļ	Holland-	Evansdale	Masonville ξ η	Epworth	STEPHENSON	
DAKOTA	Bluff		Sac City	_	Lohigh City	1-Elloworth	L HARDIN	Poinbo	Gilbertville	Rowley DELAWARE	Farley Dubuque	JO DAVIESS	
	Sloan_Sn	Gro	ove -		arcourt Je	ewell		Reinbe	raer Vint	On - Mor	ticello Zwingle	2	
WAYNE	и малонаму ио	Mapleton Sch	leswig	Churdan	GREENE	STORY ZE	earing Albid	Toledo		Center Point	Cascade	ellevue	
	Ona	717 9	Vail Carro	Scranton (	arcourt Je GRENE Grand Boon	e Nevada	State Ce	Garwin		ellsburg Anamosa Hiawatha Mount			
CUMING	Blen		Manning	ROLL Jeffersor		Kelley	Have	rhill Tama	BENTON	Fairfax Vernon Swisher Shines North Liberty	Delmar Grand	Bryant	
	BURT	ARRISON 3 SHI	LBY AUDUBON	Bayard	Perry	Cambridg	Newto	n - Grinnell	ےBelle Plaine کے	Swisher	EDAR Mound	Gamanche	
COLFAX	WASHING	Woodbine	Kirkman	GUTHRIE Panoi	a Joh	nston Mi	ngo Ke	ellogg Powes	HIEK IOWA	North Liberty	Dixon P	rinceton	
DODGE	Mo	dale Portsmo	uth Kimballton			nasor Mitc	hellville	JASPER-	L	West	Stockton	Claire WHITESIDE BUREAU	
	<b>h</b>											ort	
BUTLER		/alley	VATTAMIE CASS		Winterset	Plea	asantville	Pella W	hat Cheer	Columbus Junct		HENRY	
SAUNDERS	DOUGLAS	Carter		Fromulatione		A 4				U COLUMDUS FUNCT	ion		
SAUNDERS	SARP			assena Green Cresto		ADIE LIN	dec MONE	C Skal		Wayland Morning	MERCER		
	(		Red Oak C	Cresto	n Murray	Luca:	S [	Albia	Agongy	Wayland Morning	DUISA DESIMOINES	. STARK	
SEWARD	CASS	Glenwood	> LPAGE	A A A A A A A A A A A A A A A A A A A	Fliston Osc	eola Derb	y Russell		Agency	Lockridge New Mingham London W	ediapolis	KNOX	
LANCASTER		FREMONT -	Essex 5 Nav		Grand River	Garden	Promise Cit	Drakes	ville Douds	Hillsboro Burling	Vest WARREN	PEORIA	
		Percival She	nandoah Mark		GOLD Decati		ton? Cent	erville Bloo	omfield Milton	Doppolloop Ford	HENDERSON		
SALINE	OTOE	Y	Coin, Halk	Bedford	DECATUR		Corvdon	Moulton	Pulaski VAN B	Donnellson Fort			
Laborsh	ned Co	ncentratic		WORTH	l l	MERCER	PUTMA	~ ~		CLARK Keokuk		TAZEWELL FULTON	
by Place	of Resi	dence (per	7IP code)	AY	HARRISON					LEE HAN		5	
Low	51 1(0)	conce (per		GENTRY			SULLIVAN	ADAIR				MASON	
Mode	orato					GRUNDY			KNOX	LEWIS	SCHUYLER	MENARD	
Hiah	erale			REW DE KALB	DAVIESS		LINN	MACON		1Tom, Garm%PA₽	140, NOAA, USGS, EPA	NPS, USFWS	
nign				DE KALB		LIVINGSTON	LINN	MACO	SHELBY	MARION	MORGAN	SANGAMON	

Workers who have transferable experience/skills in the industry are currently commuting an average of 16 miles one way for work. Those who are likely to change/accept employment are willing to commute an average of 27 miles one way for the right employment opportunity.

#### FOR MORE INFORMATION REGARDING THE STATE OF IOWA REGIONAL LABORSHED, CONTACT:



Iowa Workforce Development Labor Market Information Division 1000 E. Grand Avenue, Des Moines, Iowa 50319 Phone: (515) 281-3035 | Email: laborshed.studies@iwd.iowa.gov https://workforce.iowa.gov/laborshed

### LABOR CHARACTERISTICS ADVANCED MANUFACTURING

#### ESTIMATED AVAILABLE LABOR PER OCCUPATIONAL CATEGORY:

- Architectural and Engineering Managers - 1.3%
- Assemblers and Fabricators, All Other - 0.3%
   Due and Truck Machanics and
- Bus and Truck Mechanics and Diesel Engine Specialists - 1.1%
   Chamical Engineers - 0.2%
- Chemical Engineers 0.2%
   Chemical Equipment Operators
- and Tenders 0.4%
   Cleaning, Washing, and Metal Pickling Equipment Operators
- and Tenders 0.1%
- 0.1%
  Conveyor Operators and Tenders - 0.1%
- Cooling and Freezing Equipment Operators and Tenders - 0.1%
- Crane and Tower Operators -0.2%
   Crushing, Grinding, and
- Polishing Machine Setters, Operators, and Tenders - 0.1% Cutting, Punching, and Press
- Machine Setters, Operators, and Tenders, Metal and Plastic -0.6%
- Electrical and Electronic Engineering Technicians - 0.6%
   Electrical and Electronic
- Electrical and Electronic
   Equipment Assemblers 0.1%
   Electrical Engineers 0.5%
- Electricians 4.1%
- Electro-Mechanical Technicians
- 0.1%
- Assemblers 0.1%

   Engineering Technicians, Except Drafters, All Other - 0.5%
- Engineers, All Other 4.2%

Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders - 0.1% First-Line Supervisors of Low income - 0.4%

• Total - 9.4%

- 0.3%

1.4%

6.1%

Other - 0.1%

Fitters - 0.6%

Loaders - 0.8%

Mechanical Engineers - 1.3%

Milling and Planing Machine

Mixing and Blending Machine

Setters, Operators, and Tenders

Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic - 3.8%

Packaging and Filling Machine

Operators and Tenders - 0.1%

Packers and Packagers, Hand -

Plant and System Operators, All

Production Workers, All Other -

Structural Metal Fabricators and

Tank Car, Truck, and Ship

Team Assemblers - 3.5%

Water and Wastewater

Operators - 0.8%

Brazers - 3.5%

Tool and Die Makers - 0.1%

Treatment Plant and System

Welders, Cutters, Solderers, and

Welding, Soldering, and Brazing

Machine Setters, Operators, and Tenders - 0.1%

Metal and Plastic - 0.2%

Millwrights - 0.6%

Setters, Operators, and Tenders,

Mechanics, Installers, and Repairers - 8%

First-Line Supervisors of

- Production and Operating Workers - 5.1% Foundry Mold and Coremakers
- O.2%
   Grinding and Polishing Workers,
- Hand 0.1%
- Drivers 17%
- Industrial Engineering Technicians - 1.2%
- Industrial Engineers 1.3%
   Industrial Machinery Mechanics
- 0.9% Industrial Production Managers
- 4.7% Industrial Truck and Tractor
- Industrial Truck and Tractor Operators - 2.2%
   Inspectors. Testers. Sorters.
- Samplers, and Weighers 1.2% Installation, Maintenance, and
- Repair Workers, All Other 9.4%
  Laborers and Freight, Stock, and
- Material Movers, Hand 6%
  Light Truck or Delivery Services
- Drivers 2.6%
  Machinists 1.6%
- Maintenance Workers, Machinery - 0.1%
   Material Moving Workers, All
- Other 0.1%

  Mechanical Drafters 0.2%
- Mechanical Engineering Technicians - 0.4%

#### UNDEREMPLOYMENT (ESTIMATED):

- Low hours 0.6%
- Mismatch of skills 9.0%

(Individuals counted only once when estimating Total Underemployment.)

#### **CURRENT BENEFITS:**



 Paid Vacation, 97.9%

 Paid Holidays, 95.8%

 Paid Holidays, 95.8%

 Pension/Retirement/401k, 93.5%

 Pension/Retirement/401k, 93.5%

 Health/Medical Insurance, 91.1%

 Dental Coverage, 86.9%

 Nision Coverage, 86.3%

 Vision Coverage, 86.3%

 Vision Coverage, 86.3%

 Pistin Insurance, 83.3%

 Infe Insurance, 80.4%

 Infe Insurance, 80.4%

 Infining Bonuses, 80.4%

#### 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:**

- 67.1% paid an hourly wage
- 95.4% are/were employed full-time
- 4.6% are/were employed part-time
- 10.8% are/were self-employed
- 8.7% hold two or more jobs
- Currently working an average of 46 hours/week

#### EDUCATIONAL LEVEL:

(62.9% HAVE AN EDUCATION BEYOND HIGH SCHOOL)



#### **TOP JOB SEARCH RESOURCES:** (For those seeking employment opportunities, by use.)

- Internet 76.1%
  - www.indeed.com
  - www.linkedin.com
  - www.ziprecruiter.com
- Networking through friends, family or acquaintances - 44.4%

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- IowaWORKS Centers 23.9%
- Private Employment Services 15.5%

### LABOR CHARACTERISTICS ADVANCED MANUFACTURING

OCCUPATION	OCCUPATIONAL	MEAN	MEDIAN	MEAN	MEDIAN		
	CODE	WAGE	WAGE	SALARY	SALARY		
Architectural and Engineering Managers	11-9041	\$70.01	\$66.29	\$145,620.00	\$137,870.00		
Bus and Truck Mechanics and Diesel Engine Specialists	49-3031	\$28.99	\$28.27	\$60,290.00	\$58,800.00		
Chemical Engineers	17-2041	\$49.43	\$48.59	\$102,820.00	\$101,080.00		
Chemical Equipment Operators and Tenders	51-9011	\$28.22	\$26.46	\$58,690.00	\$55,030.00		
Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	51-9192	\$21.00	\$20.22	\$43,690.00	\$42,060.00		
Computer Hardware Engineers	17-2061	\$59.83	\$53.40	\$124,450.00	\$111,080.00		
Conveyor Operators and Tenders	53-7011	\$24.62	\$22.94	\$51,210.00	\$47,720.00		
Cooling and Freezing Equipment Operators and Tenders	51-9193	\$27.87	\$23.50	\$57,960.00	\$48,880.00		
Crane and Tower Operators	53-7021	\$29.02	\$26.74	\$60,370.00	\$55,620.00		
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	51-9021	\$27.06	\$28.95	\$56,280.00	\$60,210.00		
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	51-4031	\$22.82	\$23.00	\$47.470.00	\$47,850.00		
Electrical and Electronic Engineering Technicians	17-3023	\$34.66	\$35.64	\$72,100.00	\$74,140.00		
Electrical Engineers	17-2071	\$61.04	\$51.57	\$126,950.00	\$107,270.00		
Electricians	47-2111	\$30.72	\$30.23	\$63,910.00	\$62,880.00		
Electro-Mechanical Technicians	17-3024	\$35.94	\$37.59	\$74,760.00	\$78,190.00		
Engine and Other Machine Assemblers	51-2031	\$23.73	\$21.55	\$49,350.00	\$44,810.00		
Engineering Technicians, Except Drafters, All Other	17-3029	\$32.23	\$30.75	\$67,030.00	\$63,960.00		
Engineers, All Other	17-2199	\$47.86	\$48.17	\$99,560.00	\$100,200.00		
Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	51-9041	\$23.52	\$22.81	\$48,920.00	\$47,440.00		
First-Line Supervisors of Mechanics, Installers, and Repairers	49-1011	\$38.52	\$37.49	\$80,110.00	\$77,980.00		
First-Line Supervisors of Production and Operating Workers	51-1011	\$34.45	\$34.20	\$71,650.00	\$71,140.00		
Foundry Mold and Coremakers	51-4071	\$22.08	\$21.97	\$45,920.00	\$45,700.00		
Grinding and Polishing Workers, Hand	51-9022	\$22.80	\$22.58	\$47,410.00	\$46,960.00		
Heavy and Tractor-Trailer Truck Drivers	53-3032	\$28.05	\$26.48	\$58,350.00	\$55,080.00		
HelpersProduction Workers	51-9198	\$21.53	\$22.12	\$44,780.00	\$46,000.00		
Industrial Engineering Technicians	17-3026	\$31.52	\$29.01	\$65,570.00	\$60,330.00		
Industrial Engineers	17-2112	\$48.24	\$48.06	\$100,340.00	\$99,960.00		
Industrial Machinery Mechanics	49-9041	\$31.85	\$31.30	\$66,250.00	\$65,090.00		
Industrial Production Managers	11-3051	\$55.28	\$50.44	\$114,980.00	\$104,920.00		
Industrial Truck and Tractor Operators	53-7051	\$22.85	\$22.57	\$47,530.00	\$46,950.00		
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	\$24.87	\$23.53	\$51,740.00	\$48,940.00		
Installation, Maintenance, and Repair Workers, All Other	49-9099	\$23.83	\$22.48	\$49,560.00	\$46,760.00		
Laborers and Freight, Stock, and Material Movers, Hand	53-7062	\$20.53	\$20.85	\$42,710.00	\$43,370.00		
Light Truck or Delivery Services Drivers	53-3033	\$22.54	\$21.11	\$46,890.00	\$43,910.00		
Machine Feeders and Offbearers	53-7063	\$21.46	\$20.81	\$44,630.00	\$43,280.00		
Machinists	51-4041	\$26.42	\$25.67	\$54,950.00	\$53,400.00		
Maintenance and Repair Workers, General	49-9071	\$25.37	\$24.65	\$52,760.00	\$51,270.00		
Maintenance Workers, Machinery	49-9043	\$30.80	\$29.80	\$64,070.00	\$61,990.00		
Material Moving Workers, All Other	53-7199	\$26.42	\$23.20	\$54,960.00	\$48,250.00		
Materials Engineers	17-2131	\$39.61	\$36.85	\$82,380.00	\$76,640.00		
Mechanical Drafters	17-3013	\$33.22	\$31.33	\$69,100.00	\$65,160.00		
Mechanical Engineering Technicians	17-3027	\$36.57	\$31.81	\$76,060.00	\$66,160.00		
Mechanical Engineers	17-2141	\$47.63	\$46.91	\$99,070.00	\$97,570.00		
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	51-4035	\$28.30	\$27.55	\$58,870.00	\$57,300.00		
Millwrights	49-9044	\$30.89	\$30.44	\$64,250.00	\$63,320.00		
Mixing and Blending Machine Setters, Operators, and Tenders	51-9023	\$23.95	\$22.34	\$49,810.00	\$46,480.00		
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4081	\$23.45	\$23.37	\$48,770.00	\$48,610.00		
Packaging and Filling Machine Operators and Tenders	51-9111	\$22.29	\$21.11	\$46,350.00	\$43,900.00		
Packers and Packagers, Hand	53-7064	\$17.32	\$17.14	\$36,020.00	\$35,650.00		
Patternmakers, Metal and Plastic	51-4062	\$29.68	\$30.44	\$61,740.00	\$63,300.00		
Plant and System Operators, All Other	51-8099	\$29.80	\$28.05	\$61,990.00	\$58,340.00		
Production Workers, All Other	51-9199	\$21.22	\$22.30	\$44,130.00	\$46,380.00		
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	51-4023	\$26.60	\$27.11	\$55,340.00	\$56,380.00		
Structural Metal Fabricators and Fitters	51-2041	\$24.21	\$23.50	\$50,350.00	\$48,880.00		
Tank Car, Truck, and Ship Loaders	53-7121	\$26.40	\$27.00	\$54,910.00	\$56,160.00		
Tool and Die Makers	51-4111	\$29.69	\$29.73	\$61,750.00	\$61,840.00		
Water and Wastewater Treatment Plant and System Operators	51-8031	\$28.16	\$28.56	\$58,580.00	\$59,400.00		
Welders, Cutters, Solderers, and Brazers	51-4121	\$25.14	\$23.77	\$52,280.00	\$49,450.00		
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	51-4122	\$25.16	\$25.05	\$52,340.00	\$52,100.00		
The 2024 lowa Wage data for the State of lowa Laborshed area was produced by the Labor Force & Occupational Analysis Bureau to provide communities local information on wages by							

The 2024 lowa Wage data for the State of lowa Laborshed area was produced by the Labor Force & Occupational Analysis Bureau to provide communities local information on wages by occupation. Additional occupational wage and employment data for the State of lowa Laborshed area can be found at workforce.iowa.gov/laborshed/data. For more information regarding the 2024 OEWS estimates visit: <a href="https://docs.org/loca/2024/may/oes/20