

OCCUPATIONAL EMPLOYMENT REPORT OF
PRIMARY METAL MANUFACTURING (331000)

In Cooperation with the
U.S. Department of Labor



Rev. July 2015

Form Approved
O.M.B. No. 1220-0042

What this report is about: This form asks for information about the occupations and wages of the employees described in Item 3. Please complete Items 1 through 5 below. Next, please provide the information requested beginning on page 1 for the employees who received pay for the pay period that included the reference date printed in bold in Item 3. The instructions on pages ii and iii explain how to provide the requested information. For more on the OES program, including national, state, and metropolitan area employment and wage estimates by occupation, please see our website at <http://www.bls.gov/OES>.

1 Which of the following options describes the status of the location(s) in Item 3 as of the reference date also printed in Item 3?

- Operating: Go to Item 2.
- Temporarily closed during the reference period: Report data only for employees paid for work during the reference period. If no employees worked for pay, report "0" in section 4 of this page and return the form in the reply envelope provided.
- Permanently out of business as of __/__/__: Return the form to the address at the top.
- Sold or merged: Enter the new name and address below, then go to Item 2.

New Name: _____
New Address: _____

2 Our records show that your main products or services are related to those listed below. If they are not, please list your main products or services on the lines provided and continue with the rest of the report.

3 This form asks for information about the employees described below. Our estimate of employment for these employees appears at the top right corner of the label. *Please make any needed address corrections.*

4 How many employees, **both full and part-time**, worked at this location(s) during the pay period that included the reference date printed in Item 3?

Enter the number here...

Include

- ◆ Full or part-time paid workers
- ◆ Workers on paid leave
- ◆ Workers assigned temporarily to other units
- ◆ Incorporated firms - paid owners, officers, and staff

Do Not Include

- ◆ Contractors and temporary agency employees not on your payroll
- ◆ Unpaid family workers
- ◆ Workers on unpaid leave
- ◆ Unincorporated firms - proprietors, owners, and partners
- ◆ Workers not covered by unemployment insurance

Do all employees reported above work at one location?

Yes No... Enter number of locations

5 Please tell us who to contact if we have questions about your data.

Name: _____
Title: _____
Phone: _____ Date: _____
E-mail address: _____

FOR
OFFICE
USE ONLY

Instructions for Reporting by Occupation

- Report employees in the occupations in which they are working, **not** necessarily in occupations for which they have been trained.

For example: An employee trained as an engineer, but working as a drafter, should be reported as a drafter.

- Report each employee only once in the occupation that requires the **highest** level of skill if the employee performs work in two or more occupations. If there is **no** measurable difference in skill requirements, report employees in the occupation in which they spend the **most** time.
- Use the description of duties along with the job titles to determine where to place employees. Do not rely on job titles alone.
- Report **apprentices** and **trainees** in the job for which they are being trained. Report **helpers** separately because they are not in training for the occupation they are helping.
- Report part-time workers in the job they perform.
- Professionals who directly supervise other workers in professional occupations should be classified in the same occupation as the workers they supervise. For example, a drafter that supervises other drafters is classified as a drafter.
- Workers in Service, Sales, Office and Administrative, Forestry and Farming, Production, Maintenance, and Transportation occupations who spend 80 percent or more of their time performing supervisory duties should be reported as supervisors. Workers with supervisory duties who spend less than 80 percent of their time supervising should be reported with the workers they supervise.

Instructions for Reporting Wage Information

For all employees:

- Please use the hourly and annual wage rate categories to report employees. If wages are not recorded by hour or year (bi-weekly, or monthly for example), convert them into an hourly wage rate.
- For part-time workers, please report the specific hourly wage rate, not an average.
- For tip, commission, and piece-rate workers, please estimate the earnings (base pay plus tips, commissions, or piece rates), and report the appropriate wage.
- For salaried workers who do not work a standard 2080 hours per year (40 hours per week), please report wages on an hourly basis. For workers who are paid an annual salary by contract, such as Airline Pilots, report their annual salary.
- Include and/or exclude from pay as follows:

Include as pay

- Base Rate
- Commissions
- Cost-of-Living Allowance
- Deadheading Pay
- Guaranteed Pay
- Hazard Pay
- Incentive Pay
- Longevity Pay
- Piece Rate
- Portal-to-Portal Rate
- Production Bonus
- Tips

Exclude as pay

- Attendance Bonus
- Back Pay
- Draw
- Holiday Bonus
- Holiday Premium Pay
- Jury Duty Pay
- Lodging Payments
- Meal Payments
- Merchandise Discounts
- Nonproduction Bonus
- On-call Pay
- Overtime Pay
- Perquisites
- Profit Sharing Payment
- Relocation Allowance
- Severance Pay
- Shift Differential
- Stock Bonuses
- Tool Allowance
- Tuition Repayments
- Uniform Allowance
- Weekend Pay

The Bureau of Labor Statistics, its employees, agents, and partner statistical agencies, will use the information you provide for statistical purposes only and will hold the information in confidence to the full extent permitted by law. In accordance with the Confidential Information Protection and Statistical Efficiency Act of 2002 (Title 5 of Public Law 107-347) and other applicable Federal laws, your responses will not be disclosed in identifiable form without your informed consent. This report is authorized by law, 29 U.S.C. §2. Your voluntary cooperation is needed to make the results of this report comprehensive, accurate, and timely.

*We estimate that it will vary from 30 minutes to 6 hours to complete this report, depending on such factors as the size of the establishment. This includes time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing this information. If you have any comments regarding these estimates or any other aspects of this report, including suggestions for reducing this burden, send them to the U.S. Bureau of Labor Statistics, Division of Occupational Employment Statistics (1220-0042), 2 Massachusetts Avenue NE, Suite 2135, Washington, DC 20212. Please do not return your questionnaire to this address. Use the enclosed preaddressed envelope or the address provided at the top of the first page to return your completed questionnaire. You do not have to complete this questionnaire if it does not display a currently valid OMB control number.

Instructions for Completing the Report

On the following pages you will find the Occupational Employment Report. Please refer to the example below and the guidelines on page ii for instructions on how to complete the form. If you have employees whose occupations are not found in the list provided, please use the supplemental pages at the end of this report. Please write each unique occupational title on a separate line along with a short description of duties, the number of employees in each wage category, and the total employment for each occupation.

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES		NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)												Total Employment
		A	B	C	D	E	F	G	H	I	J	K	L	
Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over		
Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over		
Accountants and Auditors - Examine, analyze, and interpret accounting records for the purpose of giving advice or preparing statements.				1	2	3							6	
	13-2011													

1 For each occupation listed, read the definition to determine which occupations are found in your establishment.

2 For each occupation that is found in your establishment, write in the number of workers in this occupation, based on their wages.

For example, there are six Accountants in your establishment. One is part-time, working 20 hours a week, and earns \$12,480 per year; and five are full-time: two earn \$32,000 per year, and three earn \$46,000. Calculate an hourly wage for the part-time worker by dividing the annual wage by the number of hours worked; 20 hrs x 52 weeks = 1040 hrs/yr, \$12480/1040 hrs = \$12/hr. Write "1" in column C. For the full-time workers, use their annual wage: write "2" in column D and "3" in column E.

3 Add up the total number of workers in this occupation and write the figure in the Total Employment column, making sure the total agrees with your records.

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	A	B	C	D	E	F	G	H	I	J	K	L	T
	Hourly (part-time or full-time)	under \$9.25 \$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over	Total Employment
Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	

Management Occupations

(Managers in this section generally have other managers/supervisors reporting to them.)

<p>Chief Executives - Formulate policies and provide overall direction of private and public organizations within guidelines set up by a board of directors or other governing body. Plan, direct, or coordinate operational activities with the help of subordinate executives and managers.</p> <p style="text-align: right;">11-1011</p>	A	B	C	D	E	F	G	H	I	J	K	L	T
<p>General and Operations Managers - Plan, direct, or coordinate the operations of public or private organizations. Responsibilities include formulating policies, managing daily operations, and planning the use of materials and human resources, but are too general to be classified in any one functional area of management or administration. Excludes First-Line Supervisors.</p> <p style="text-align: right;">11-1021</p>	A	B	C	D	E	F	G	H	I	J	K	L	T
<p>Sales Managers - Plan, direct, or coordinate the distribution of a product or service to the customer. Establish sales territories, quotas, goals, and training programs for sales representatives. Analyze sales statistics to determine sales potential and inventory requirements and to monitor the preferences of customers.</p> <p style="text-align: right;">11-2022</p>	A	B	C	D	E	F	G	H	I	J	K	L	T
<p>Computer and Information Systems Managers - Plan, direct, or coordinate activities in such fields as electronic data processing, information systems, systems analysis, and computer programming.</p> <p style="text-align: right;">11-3021</p>	A	B	C	D	E	F	G	H	I	J	K	L	T
<p>Financial Managers - Plan, direct, or coordinate accounting, investing, banking, insurance, securities, and other financial activities of a branch, office, or department of an establishment.</p> <p style="text-align: right;">11-3031</p>	A	B	C	D	E	F	G	H	I	J	K	L	T

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	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over
Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	

Industrial Production Managers - Plan, direct, or coordinate the work activities and resources necessary for manufacturing products in accordance with cost, quality, and quantity specifications.	A	B	C	D	E	F	G	H	I	J	K	L	T
11-3051													

Purchasing Managers - Plan, direct, or coordinate the activities of buyers and related workers involved in purchasing materials, products, and services. Includes wholesale or retail trade merchandising managers and procurement managers.	A	B	C	D	E	F	G	H	I	J	K	L	T
11-3061													

Compensation and Benefits Managers - Plan, direct, or coordinate compensation and benefits activities of an organization. Job analysis and position description managers are included in "Human Resources Managers."	A	B	C	D	E	F	G	H	I	J	K	L	T
11-3111													

Architectural and Engineering Managers - Plan, direct, or coordinate activities in such fields as architecture and engineering or research and development in these fields. Excludes "Natural Sciences Managers."	A	B	C	D	E	F	G	H	I	J	K	L	T
11-9041													

Business and Financial Operations Occupations

Purchasing Agents, Except Wholesale, Retail, and Farm Products - Purchase machinery, equipment, tools, parts, supplies, or services necessary for the operation of an establishment. Purchase raw or semi-finished materials for manufacturing.	A	B	C	D	E	F	G	H	I	J	K	L	T
13-1023													

Human Resources Specialists - Perform activities in the human resource area. Includes employment specialists who screen, recruit, interview, and place workers. Excludes "Compensation, Benefits, and Job Analysis Specialists" and "Training and Development Specialists."	A	B	C	D	E	F	G	H	I	J	K	L	T
13-1071													

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES	NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)												
	A	B	C	D	E	F	G	H	I	J	K	L	T
	Hourly (part-time or full-time)	under \$9.25 - 11.74	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over
Annual Salary (full-time only)	under \$19,240 - 24,439	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	
Compensation, Benefits, and Job Analysis Specialists - Conduct programs of compensation and benefits and job analysis for employer. May specialize in specific areas, such as position classification and pension programs.	A	B	C	D	E	F	G	H	I	J	K	L	T
13-1141													
Accountants and Auditors - Analyze and interpret accounting records to prepare financial statements, give advice, or audit and evaluate statements prepared by others. Install or advise on systems of recording costs or other financial and budgetary data. Excludes "Tax Examiners and Collectors, and Revenue Agents."	A	B	C	D	E	F	G	H	I	J	K	L	T
13-2011													
Computer and Mathematical Occupations													
Network and Computer Systems Administrators - Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet systems or segment of a network system. Ensure network availability. May monitor and test Web site performance. May assist in network modeling, analysis, planning, and coordination between network and data communications hardware and software. May supervise computer user support specialists and computer network support specialists. May administer network security measures.	A	B	C	D	E	F	G	H	I	J	K	L	T
15-1142													
Computer User Support Specialists - Provide technical assistance to computer users. Answer questions or resolve computer problems in person, via telephone, or electronically. May provide assistance concerning computer hardware and software use.	A	B	C	D	E	F	G	H	I	J	K	L	T
15-1151													
Architecture and Engineering Occupations													
Industrial Engineers - Design, develop, test, and evaluate integrated systems for managing industrial production processes, including human work factors, quality control, inventory control, logistics and material flow, and cost analysis. Excludes "Health and Safety Engineers, Except Mining Safety Engineers and Inspectors."	A	B	C	D	E	F	G	H	I	J	K	L	T
17-2112													

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	A	B	C	D	E	F	G	H	I	J	K	L	T
	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over
Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	
Materials Engineers - Evaluate and develop machinery and processes to manufacture materials for use in products with specialized design and performance specifications. Develop new uses for known materials. Includes engineers working with composite materials or specializing in one type of material, such as graphite, metals, polymers, naturally occurring materials. Includes metallurgists and metallurgical engineers, ceramic engineers, and welding engineers.	A	B	C	D	E	F	G	H	I	J	K	L	T
17-2131													
Mechanical Engineers - Perform engineering duties in planning and designing tools, engines, machines, and other mechanically functioning equipment. Oversee installation, operation, maintenance, and repair of equipment such as centralized heat, gas, water, and steam systems.	A	B	C	D	E	F	G	H	I	J	K	L	T
17-2141													
Industrial Engineering Technicians - Apply engineering principles to problems of industrial layout or manufacturing production, usually under the direction of engineering staff. May perform time and motion studies on worker operations to establish standard production rates or improve efficiency.	A	B	C	D	E	F	G	H	I	J	K	L	T
17-3026													
Healthcare Practitioners and Technical Occupations													
Occupational Health and Safety Specialists - Review, evaluate, and analyze work environments and design programs and procedures to control, eliminate, and prevent disease or injury caused by chemical, physical, and biological agents or ergonomic factors. May conduct inspections and enforce adherence to laws and regulations. Includes environmental protection officers.	A	B	C	D	E	F	G	H	I	J	K	L	T
29-9011													
Building and Grounds Cleaning and Maintenance Occupations													
Janitors and Cleaners, Except Maids and Housekeeping Cleaners - Keep buildings in clean and orderly condition. Perform heavy cleaning duties. Duties may include tending furnace and boiler, performing routine maintenance activities, notifying management of need for repairs, and cleaning snow or debris from sidewalk.	A	B	C	D	E	F	G	H	I	J	K	L	T
37-2011													

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES	NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)												
	A	B	C	D	E	F	G	H	I	J	K	L	T
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Sales and Related Occupations

First-Line Supervisors of Non-Retail Sales Workers -	A	B	C	D	E	F	G	H	I	J	K	L	T
Directly supervise and coordinate activities of sales workers other than retail sales workers. May perform duties, such as budgeting, accounting, and personnel work, in addition to supervisory duties.													
41-1012													

Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products -	A	B	C	D	E	F	G	H	I	J	K	L	T
Sell goods for wholesalers or manufacturers to businesses or groups of individuals. Work requires substantial knowledge of items sold.													
41-4012													

Office and Administrative Support Occupations

First-Line Supervisors of Office and Administrative Support Workers -	A	B	C	D	E	F	G	H	I	J	K	L	T
Directly supervise and coordinate the activities of clerical and administrative support workers.													
43-1011													

Billing and Posting Clerks -	A	B	C	D	E	F	G	H	I	J	K	L	T
Compile, compute, and record data for billing purposes. Prepare billing invoices for services rendered or for delivery or shipment of goods.													
43-3021													

Bookkeeping, Accounting, and Auditing Clerks -	A	B	C	D	E	F	G	H	I	J	K	L	T
Compute, classify, and record data to keep financial records complete. Perform routine calculating, posting, and verifying duties to obtain primary financial data for use in maintaining accounting records. May also check the accuracy of figures, calculations, and postings pertaining to business transactions recorded by other workers. Excludes "Payroll and Timekeeping Clerks."													
43-3031													

Payroll and Timekeeping Clerks -	A	B	C	D	E	F	G	H	I	J	K	L	T
Compile and record employee time and payroll data. May compute employees' time worked, production, and commission. May compute and post wages and deductions, or prepare paychecks.													
43-3051													

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES	NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)												
	A	B	C	D	E	F	G	H	I	J	K	L	T
	Hourly (part-time or full-time)	under \$9.25 - 11.74	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over
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Customer Service Representatives - Interact with customers to provide information in response to inquiries about products and services and to handle and resolve complaints. Excludes individuals whose duties are primarily installation, sales, or repair. 43-4051	A	B	C	D	E	F	G	H	I	J	K	L	T
Human Resources Assistants, Except Payroll and Timekeeping - Compile and keep personnel records. May prepare reports for employment records, file employment records, or search employee files and furnish information to authorized persons. 43-4161	A	B	C	D	E	F	G	H	I	J	K	L	T
Receptionists and Information Clerks - Answer inquiries and provide information regarding activities conducted at establishment and location of departments, offices, and employees within the organization. Excludes "Switchboard Operators, Including Answering Service." 43-4171	A	B	C	D	E	F	G	H	I	J	K	L	T
Production, Planning, and Expediting Clerks - Coordinate and expedite the flow of work and materials within or between departments of an establishment according to production schedule. Excludes "Weighers, Measurers, Checkers, and Samplers, Recordkeeping." 43-5061	A	B	C	D	E	F	G	H	I	J	K	L	T
Shipping, Receiving, and Traffic Clerks - Verify and maintain records on incoming and outgoing shipments. Prepare items for shipment. Assemble, address, stamp, and ship merchandise or material; receive, unpack, verify and record incoming merchandise or material; and arrange for the transportation of products. Excludes "Stock Clerks and Order Fillers." 43-5071	A	B	C	D	E	F	G	H	I	J	K	L	T
Stock Clerks and Order Fillers - Receive, store, and issue sales floor merchandise, materials, equipment, and other items from stockroom, warehouse, or storage yard to fill shelves, racks, tables, or customers' orders. May mark prices on merchandise and set up sales displays. Excludes "Shipping, Receiving, and Traffic Clerks." 43-5081	A	B	C	D	E	F	G	H	I	J	K	L	T

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	A	B	C	D	E	F	G	H	I	J	K	L	T
	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over
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Executive Secretaries and Executive Administrative Assistants -
 Provide high-level administrative support. Conduct research, prepare statistical reports, handle information requests, and perform clerical functions such as preparing correspondence, receiving visitors, arranging conference calls, and scheduling meetings. May also train and supervise lower-level clerical staff.

43-6011

A	B	C	D	E	F	G	H	I	J	K	L	T

Secretaries and Administrative Assistants, Except Legal, Medical, and Executive -
 Perform routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining files, or providing information to callers.

43-6014

A	B	C	D	E	F	G	H	I	J	K	L	T

Office Clerks, General -
 Perform duties too varied and diverse to be classified in any specific clerical occupation, requiring knowledge of office systems and procedures. Duties may include a combination of answering telephones, bookkeeping, typing or word processing, stenography, office machine operation, and filing.

43-9061

A	B	C	D	E	F	G	H	I	J	K	L	T

Construction and Extraction Occupations

Electricians -
 Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. Excludes "Security and Fire Alarm Systems Installers."

47-2111

A	B	C	D	E	F	G	H	I	J	K	L	T

Installation, Maintenance, and Repair Occupations

First-Line Supervisors of Mechanics, Installers, and Repairers -
 Directly supervise and coordinate the activities of mechanics, installers, and repairers. Excludes team or work leaders.

49-1011

A	B	C	D	E	F	G	H	I	J	K	L	T

Industrial Machinery Mechanics -
 Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. Excludes "Millwrights" and "Maintenance Workers, Machinery."

49-9041

A	B	C	D	E	F	G	H	I	J	K	L	T

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES	NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)												
	A	B	C	D	E	F	G	H	I	J	K	L	T
	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over
Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	
Maintenance Workers, Machinery - Lubricate machinery, change parts, or perform other routine machinery maintenance. 49-9043	A	B	C	D	E	F	G	H	I	J	K	L	T
Millwrights - Install, dismantle, or move machinery and heavy equipment according to layout plans, blueprints, or other drawings. 49-9044	A	B	C	D	E	F	G	H	I	J	K	L	T
Refractory Materials Repairers, Except Brickmasons - Build or repair equipment such as furnaces and kilns using refractory materials. 49-9045	A	B	C	D	E	F	G	H	I	J	K	L	T
Maintenance and Repair Workers, General - Perform work involving the skills of two or more maintenance occupations to keep machines, mechanical equipment, or the structure of an establishment in repair. Duties may involve pipe fitting; boiler making; insulating; welding; machining; carpentry; repairing electrical or mechanical equipment; installing, aligning, and balancing equipment; and repairing buildings, floors, or stairs. 49-9071	A	B	C	D	E	F	G	H	I	J	K	L	T
Production Occupations													
First-Line Supervisors of Production and Operating Workers - Directly supervise and coordinate the activities of production and operating workers. Excludes team or work leaders. 51-1011	A	B	C	D	E	F	G	H	I	J	K	L	T
Coil Winders, Tapers, and Finishers - Wind wire coils used in electrical components, such as resistors and transformers, and in electrical equipment and instruments, such as field cores, armature cores, electrical motors, generators, and control equipment. 51-2021	A	B	C	D	E	F	G	H	I	J	K	L	T

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES	NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)												
	A	B	C	D	E	F	G	H	I	J	K	L	T
	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over
Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	
Team Assemblers - Work as part of a team that assembles an entire product or component of a product. Team assemblers perform all tasks conducted by the team in the assembly process and rotate through all or most of them rather than being assigned to a specific task on a permanent basis. May participate in making management decisions affecting the work. Assemblers who continuously perform the same task are classified elsewhere in 51-2000.	A	B	C	D	E	F	G	H	I	J	K	L	T
51-2092													
Computer-Controlled Machine Tool Operators, Metal and Plastic - Operate computer-controlled machines or robots to perform one or more machine functions on metal or plastic work pieces.	A	B	C	D	E	F	G	H	I	J	K	L	T
51-4011													
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend machines to extrude or draw thermoplastic or metal materials into tubes, rods, hoses, wire, bars, or structural shapes.	A	B	C	D	E	F	G	H	I	J	K	L	T
51-4021													
Forging Machine Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend forging machines to taper, shape, or form metal or plastic parts.	A	B	C	D	E	F	G	H	I	J	K	L	T
51-4022													
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend machines to roll steel or plastic forming bends, beads, knurls, rolls, or plate or to flatten, temper, or reduce gauge of material.	A	B	C	D	E	F	G	H	I	J	K	L	T
51-4023													
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend machines to saw, cut, shear, slit, punch, crimp, notch, bend, or straighten metal or plastic material.	A	B	C	D	E	F	G	H	I	J	K	L	T
51-4031													
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend machines to drill, bore, ream, mill, or countersink metal or plastic work pieces.	A	B	C	D	E	F	G	H	I	J	K	L	T
51-4032													

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES	NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)												
	A	B	C	D	E	F	G	H	I	J	K	L	T
	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over
Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	
Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend grinding and related tools that remove excess material or burrs from surfaces, sharpen edges or corners, or buff, hone, or polish metal or plastic work pieces. 51-4033	A	B	C	D	E	F	G	H	I	J	K	L	T
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend lathe and turning machines to turn, bore, thread, form, or face metal or plastic materials, such as wire, rod, or bar stock. 51-4034	A	B	C	D	E	F	G	H	I	J	K	L	T
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend milling or planing machines to mill, plane, shape, groove, or profile metal or plastic work pieces. 51-4035	A	B	C	D	E	F	G	H	I	J	K	L	T
Machinists - Set up and operate a variety of tools to produce precision parts and instruments. Includes precision instrument makers who fabricate, modify, or repair mechanical instruments. May also fabricate and modify parts to make or repair machine tools or maintain industrial machines. 51-4041	A	B	C	D	E	F	G	H	I	J	K	L	T
Metal-Refining Furnace Operators and Tenders - Operate or tend furnaces to melt and refine metal before casting or to produce specified types of steel. Excludes "Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic." 51-4051	A	B	C	D	E	F	G	H	I	J	K	L	T
Pourers and Casters, Metal - Operate hand-controlled mechanisms to pour and regulate the flow of molten metal into molds to produce castings or ingots. 51-4052	A	B	C	D	E	F	G	H	I	J	K	L	T
Patternmakers, Metal and Plastic - Lay out, machine, fit, and assemble castings and parts to metal or plastic foundry patterns, core boxes, or match plates. 51-4062	A	B	C	D	E	F	G	H	I	J	K	L	T

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES	NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)												
	A	B	C	D	E	F	G	H	I	J	K	L	T
	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over
Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	
Foundry Mold and Coremakers - Make or form wax or sand cores or molds used in the production of metal castings in foundries. 51-4071	A	B	C	D	E	F	G	H	I	J	K	L	T
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend molding, casting, or coremaking machines to mold or cast metal or thermoplastic parts or products. 51-4072	A	B	C	D	E	F	G	H	I	J	K	L	T
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend more than one type of cutting or forming machine tool or robot. 51-4081	A	B	C	D	E	F	G	H	I	J	K	L	T
Tool and Die Makers - Analyze specifications, lay out metal stock, set up and operate machine tools, and fit and assemble parts to make and repair dies, cutting tools, jigs, fixtures, gauges, and machinists' hand tools. 51-4111	A	B	C	D	E	F	G	H	I	J	K	L	T
Welders, Cutters, Solderers, and Brazers - Use hand-welding, flame-cutting, hand soldering, or brazing equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products. 51-4121	A	B	C	D	E	F	G	H	I	J	K	L	T
Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend heating equipment, such as heat-treating furnaces, flame-hardening machines, induction machines, soaking pits, or vacuum equipment to temper, harden, anneal, or heat-treat metal or plastic objects. 51-4191	A	B	C	D	E	F	G	H	I	J	K	L	T
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend plating or coating machines to coat metal or plastic products with metal to protect or decorate surfaces. Includes electrolytic processes. 51-4193	A	B	C	D	E	F	G	H	I	J	K	L	T

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES	NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)												
	A	B	C	D	E	F	G	H	I	J	K	L	T
	Hourly (part-time or full-time)	under \$9.25 \$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over	Total Employment
Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	
Tool Grinders, Filers, and Sharpeners - Perform precision smoothing, sharpening, polishing, or grinding of metal objects. 51-4194	A	B	C	D	E	F	G	H	I	J	K	L	T
Grinding and Polishing Workers, Hand - Grind, sand, or polish, using hand tools or hand-held power tools, a variety of metal, wood, stone, clay, plastic, or glass objects. Includes chippers, buffers, and finishers. 51-9022	A	B	C	D	E	F	G	H	I	J	K	L	T
Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders - Operate or tend heating equipment other than basic metal, plastic, or food processing equipment. Includes activities such as annealing glass, drying lumber, curing rubber, removing moisture from materials, or boiling soap. 51-9051	A	B	C	D	E	F	G	H	I	J	K	L	T
Inspectors, Testers, Sorters, Samplers, and Weighers - Inspect, test, sort, sample, or weigh nonagricultural raw materials or processed, machined, fabricated, or assembled parts or products for defects, wear, and deviations from specifications. May use precision measuring instruments and complex test equipment. 51-9061	A	B	C	D	E	F	G	H	I	J	K	L	T
Packaging and Filling Machine Operators and Tenders - Operate or tend machines to prepare industrial or consumer products for storage or shipment. Includes cannery workers who pack food products. 51-9111	A	B	C	D	E	F	G	H	I	J	K	L	T
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders - Set up, operate, or tend machines to coat or paint products, such as glassware, cloth, metal, plastic, paper, or wood, with lacquer, rubber, varnish, glaze, enamel, oil, or rust-proofing materials. Excludes "Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic." 51-9121	A	B	C	D	E	F	G	H	I	J	K	L	T

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES	NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)												
	A	B	C	D	E	F	G	H	I	J	K	L	T
	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over
Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	

Helpers--Production Workers -	A	B	C	D	E	F	G	H	I	J	K	L	T
Help production workers by performing duties requiring less skill. Supply or hold materials or tools, and clean work area and equipment. Apprentice workers are classified in the appropriate production occupations.													
51-9198													

Transportation and Material Moving Occupations

First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand -	A	B	C	D	E	F	G	H	I	J	K	L	T
Directly supervise and coordinate the activities of helpers, laborers, or material movers.													
53-1021													

First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators -	A	B	C	D	E	F	G	H	I	J	K	L	T
Directly supervise and coordinate activities of transportation and material-moving machine and vehicle operators and helpers.													
53-1031													

Heavy and Tractor-Trailer Truck Drivers -	A	B	C	D	E	F	G	H	I	J	K	L	T
Drive a tractor-trailer combination or a truck with a capacity of at least 26,000 pounds Gross Vehicle Weight (GVW). May be required to unload truck. Requires commercial drivers' license.													
53-3032													

Crane and Tower Operators -	A	B	C	D	E	F	G	H	I	J	K	L	T
Operate mechanical boom and cable or tower and cable equipment to lift and move materials, machines, or products in many directions. Excludes "Excavating and Loading Machine and Dragline Operators."													
53-7021													

Industrial Truck and Tractor Operators -	A	B	C	D	E	F	G	H	I	J	K	L	T
Operate industrial trucks or tractors equipped to move materials around a warehouse, storage yard, factory, construction site, or similar location. Excludes "Logging Equipment Operators."													
53-7051													

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES	NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)												
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	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over
Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	
Laborers and Freight, Stock, and Material Movers, Hand - Manually move freight, stock, or other materials or perform other general labor. Includes all manual laborers not elsewhere classified. Excludes material moving workers who use power equipment. 53-7062	A	B	C	D	E	F	G	H	I	J	K	L	T
Machine Feeders and Offbearers - Feed materials into or remove materials from machines or equipment that is automatic or tended by other workers. 53-7063	A	B	C	D	E	F	G	H	I	J	K	L	T
Packers and Packagers, Hand - Pack or package by hand a wide variety of products and materials. 53-7064	A	B	C	D	E	F	G	H	I	J	K	L	T
Subtotal Employment													T

Instructions for Completing the Supplemental Page

Please use these supplemental pages to report employees whose occupations were not found on the preceding pages. Please write in each unique occupational title, a short description of duties, the number of employees found in each wage column, and the total employment for each occupation. Refer to pages ii and iii for detailed instructions on how to report by occupation, how to determine wages, and how to complete the report.

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES		NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)												Total Employment
		A	B	C	D	E	F	G	H	I	J	K	L	
		under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over	
	Hourly (part-time or full-time)													
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	

		A	B	C	D	E	F	G	H	I	J	K	L	T

		A	B	C	D	E	F	G	H	I	J	K	L	T

		A	B	C	D	E	F	G	H	I	J	K	L	T

		A	B	C	D	E	F	G	H	I	J	K	L	T

		A	B	C	D	E	F	G	H	I	J	K	L	T

FOR OFFICE USE ONLY	FIPS	Schedule Number	NAICS Code	Unit Total Employment	Reviewed By	Date Reviewed		
							Subtotal Employment - this page	
							Total Employment identified on this form	

Instructions for Completing the Supplemental Page

Please use these supplemental pages to report employees whose occupations were not found on the preceding pages. Please write in each unique occupational title, a short description of duties, the number of employees found in each wage column, and the total employment for each occupation. Refer to pages ii and iii for detailed instructions on how to report by occupation, how to determine wages, and how to complete the report. If you need additional space to report the workers in your establishment, please photocopy this page.

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES	NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)												
	A	B	C	D	E	F	G	H	I	J	K	L	T
	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over
Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	Employment

	A	B	C	D	E	F	G	H	I	J	K	L	T

	A	B	C	D	E	F	G	H	I	J	K	L	T

	A	B	C	D	E	F	G	H	I	J	K	L	T

	A	B	C	D	E	F	G	H	I	J	K	L	T

	A	B	C	D	E	F	G	H	I	J	K	L	T

FOR OFFICE USE ONLY	FIPS	Schedule Number	NAICS Code	Unit Total Employment	Reviewed By	Date Reviewed	
							Subtotal Employment - this page
							Total Employment identified on this form