

Occupation Overview

EMSI Q2 2015 Data Set

756 Old State Route 74
Cincinnati, Ohio 45245
513.943.3000

Parameters

Occupations

Code	Description
51-0000	Production Occupations

Regions

Code	Description
39025	Clermont County, OH

Timeframe

2015 - 2019

Datarun

2015.2 – QCEW Employees

Production Occupations in Clermont County, OH

Occupation Summary for Production Occupations

<p>4,344 Jobs (2015) 17% above National average</p>	<p>+6.6% % Change (2015-2019) Nation: -1.5%</p>	<p>\$15.86/hr Median Hourly Earnings Nation: \$16.07/hr</p>
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Growth

4,344

2015 Jobs

4,630

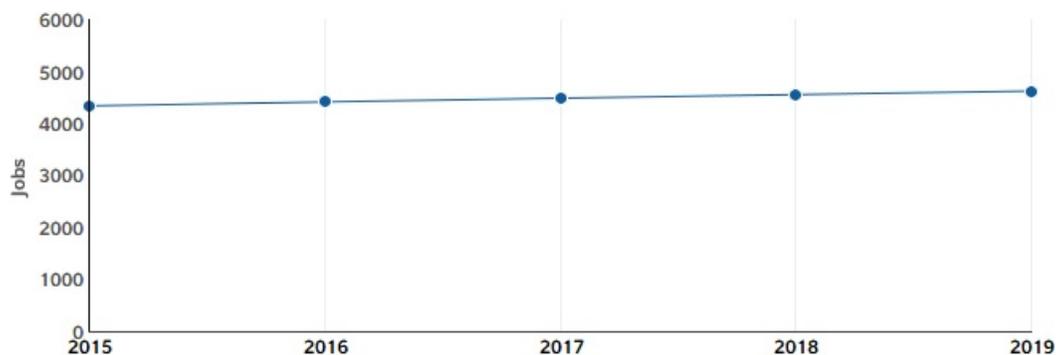
2019 Jobs

285

Change (2015-2019)

6.6%

% Change (2015-2019)



Occupation	2015 Jobs	2019 Jobs	Change	% Change
First-Line Supervisors of Production and Operating Workers (51-1011)	255	269	14	5%
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers (51-2111)	0	0	0	0%
Coil Winders, Tapers, and Finishers (51-2021)	7	7	0	0%
Electrical and Electronic Equipment Assemblers (51-2022)	65	65	0	0%
Electromechanical Equipment Assemblers (51-2023)	26	26	0	0%
Engine and Other Machine Assemblers (51-2031)	18	15	-3	-17%
Structural Metal Fabricators and Fitters (51-2041)	48	48	0	0%
Fiberglass Laminators and Fabricators (51-2091)	6	7	1	17%
Team Assemblers (51-2092)	466	474	8	2%
Timing Device Assemblers and Adjusters (51-2093)	0	0	0	0%
Assemblers and Fabricators, All Other (51-2099)	178	193	15	8%
Bakers (51-3011)	87	95	8	9%

Butchers and Meat Cutters (51-3021)	105	114	9	9%
Meat, Poultry, and Fish Cutters and Trimmers (51-3022)	11	12	1	9%
Slaughterers and Meat Packers (51-3023)	1	1	0	0%
Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders (51-3091)	5	6	1	20%
Food Batchmakers (51-3092)	6	7	1	17%
Food Cooking Machine Operators and Tenders (51-3093)	3	4	1	33%
Food Processing Workers, All Other (51-3099)	4	5	1	25%
Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011)	134	136	2	1%
Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic (51-4012)	13	14	1	8%
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)	24	26	2	8%
Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022)	7	8	1	14%
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic (51-4023)	16	16	0	0%
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic (51-4031)	98	100	2	2%
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4032)	5	5	0	0%
Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4033)	32	31	-1	-3%
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)	32	30	-2	-6%
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4035)	12	11	-1	-8%
Machinists (51-4041)	277	279	2	1%
Metal-Refining Furnace Operators and Tenders (51-4051)	3	3	0	0%

Pourers and Casters, Metal (51-4052)	0	0	0	0%
Model Makers, Metal and Plastic (51-4061)	5	5	0	0%
Patternmakers, Metal and Plastic (51-4062)	2	3	1	50%
Foundry Mold and Coremakers (51-4071)	2	2	0	0%
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)	113	117	4	4%
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4081)	97	91	-6	-6%
Tool and Die Makers (51-4111)	32	30	-2	-6%
Welders, Cutters, Solderers, and Brazers (51-4121)	226	223	-3	-1%
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders (51-4122)	29	29	0	0%
Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)	5	5	0	0%
Layout Workers, Metal and Plastic (51-4192)	2	3	1	50%
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic (51-4193)	10	10	0	0%
Tool Grinders, Filers, and Sharpeners (51-4194)	4	4	0	0%
Metal Workers and Plastic Workers, All Other (51-4199)	5	6	1	20%
Prepress Technicians and Workers (51-5111)	47	59	12	26%
Printing Press Operators (51-5112)	231	300	69	30%
Print Binding and Finishing Workers (51-5113)	41	57	16	39%
Laundry and Dry-Cleaning Workers (51-6011)	92	112	20	22%
Pressers, Textile, Garment, and Related Materials (51-6021)	63	73	10	16%
Sewing Machine Operators (51-6031)	36	31	-5	-14%
Shoe and Leather Workers and Repairers (51-6041)	2	2	0	0%
Sewers, Hand (51-6051)	2	2	0	0%

Tailors, Dressmakers, and Custom Sewers (51-6052)	7	7	0	0%
Textile Bleaching and Dyeing Machine Operators and Tenders (51-6061)	3	4	1	33%
Textile Cutting Machine Setters, Operators, and Tenders (51-6062)	3	3	0	0%
Textile Knitting and Weaving Machine Setters, Operators, and Tenders (51-6063)	24	28	4	17%
Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders (51-6064)	3	5	2	67%
Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091)	10	12	2	20%
Fabric and Apparel Patternmakers (51-6092)	0	0	0	0%
Upholsterers (51-6093)	4	4	0	0%
Textile, Apparel, and Furnishings Workers, All Other (51-6099)	6	6	0	0%
Cabinetmakers and Bench Carpenters (51-7011)	50	44	-6	-12%
Furniture Finishers (51-7021)	4	4	0	0%
Model Makers, Wood (51-7031)	1	1	0	0%
Patternmakers, Wood (51-7032)	0	0	0	0%
Sawing Machine Setters, Operators, and Tenders, Wood (51-7041)	19	20	1	5%
Woodworking Machine Setters, Operators, and Tenders, Except Sawing (51-7042)	35	36	1	3%
Woodworkers, All Other (51-7099)	6	6	0	0%
Nuclear Power Reactor Operators (51-8011)	5	5	0	0%
Power Distributors and Dispatchers (51-8012)	11	10	-1	-9%
Power Plant Operators (51-8013)	52	46	-6	-12%
Stationary Engineers and Boiler Operators (51-8021)	11	11	0	0%
Water and Wastewater Treatment Plant and System Operators (51-8031)	41	40	-1	-2%

Chemical Plant and System Operators (51-8091)	28	30	2	7%
Gas Plant Operators (51-8092)	1	1	0	0%
Petroleum Pump System Operators, Refinery Operators, and Gaugers (51-8093)	10	12	2	20%
Plant and System Operators, All Other (51-8099)	2	2	0	0%
Chemical Equipment Operators and Tenders (51-9011)	29	33	4	14%
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders (51-9012)	10	13	3	30%
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders (51-9021)	6	6	0	0%
Grinding and Polishing Workers, Hand (51-9022)	10	10	0	0%
Mixing and Blending Machine Setters, Operators, and Tenders (51-9023)	48	52	4	8%
Cutters and Trimmers, Hand (51-9031)	6	6	0	0%
Cutting and Slicing Machine Setters, Operators, and Tenders (51-9032)	43	47	4	9%
Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders (51-9041)	16	17	1	6%
Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051)	9	9	0	0%
Inspectors, Testers, Sorters, Samplers, and Weighers (51-9061)	194	206	12	6%
Jewelers and Precious Stone and Metal Workers (51-9071)	9	11	2	22%
Dental Laboratory Technicians (51-9081)	5	7	2	40%
Medical Appliance Technicians (51-9082)	2	2	0	0%
Ophthalmic Laboratory Technicians (51-9083)	6	7	1	17%
Packaging and Filling Machine Operators and Tenders (51-9111)	154	178	24	16%
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders (51-9121)	24	25	1	4%

Painters, Transportation Equipment (51-9122)	19	17	-2	-11%
Painting, Coating, and Decorating Workers (51-9123)	16	15	-1	-6%
Semiconductor Processors (51-9141)	5	5	0	0%
Photographic Process Workers and Processing Machine Operators (51-9151)	19	19	0	0%
Adhesive Bonding Machine Operators and Tenders (51-9191)	13	14	1	8%
Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders (51-9192)	4	4	0	0%
Cooling and Freezing Equipment Operators and Tenders (51-9193)	0	0	0	0%
Etchers and Engravers (51-9194)	3	3	0	0%
Molders, Shapers, and Casters, Except Metal and Plastic (51-9195)	15	14	-1	-7%
Paper Goods Machine Setters, Operators, and Tenders (51-9196)	110	125	15	14%
Tire Builders (51-9197)	5	5	0	0%
Helpers--Production Workers (51-9198)	152	173	21	14%
Production Workers, All Other (51-9199)	84	96	12	14%
Shoe Machine Operators and Tenders (51-6042)	0	0	0	0%

Percentile Earnings for Production Occupations (51-0000)

\$12.79/hr

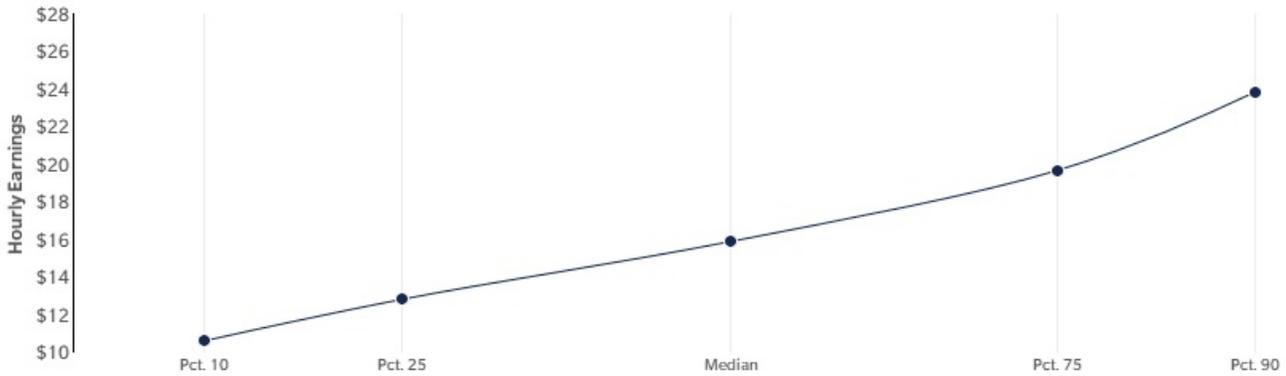
25th Percentile Earnings

\$15.86/hr

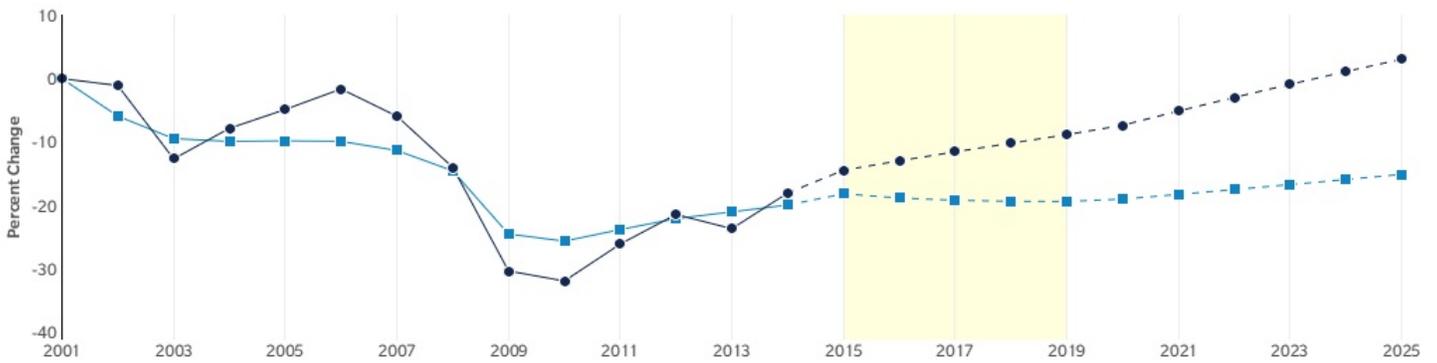
Median Earnings

\$19.67/hr

75th Percentile Earnings



Regional Trends



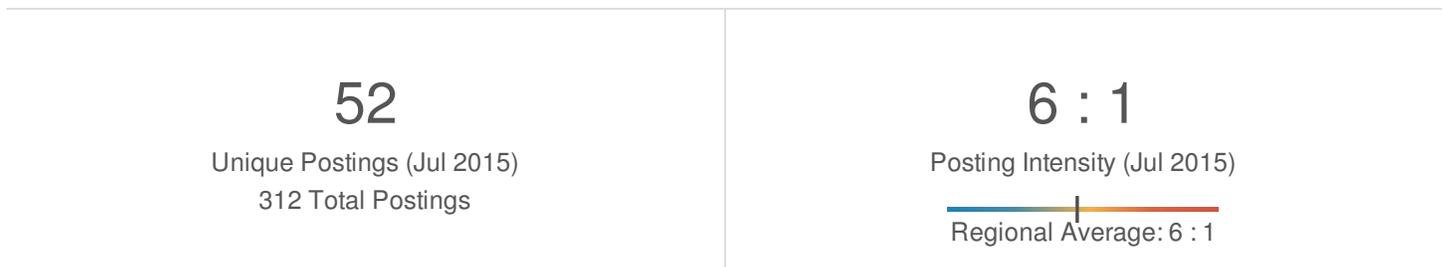
Region	2015 Jobs	2019 Jobs	Change	% Change
● Region	4,344	4,630	286	6.6%
■ United States	9,131,763	8,997,672	134,091 ⁻	-1.5%

Regional Breakdown



County	2019 Jobs
Clermont County, OH	4,630

Job Postings Summary



There were 312 total job postings for *Production Occupations* in July 2015, of which 52 were unique. These numbers give us a Posting Intensity of 6-to-1, meaning that for every 6 postings there is 1 unique job posting.

This is close to the Posting Intensity for all other occupations and companies in the region (6-to-1), indicating they are putting average effort toward hiring this position.

Postings vs. Hires

50

Avg. Monthly Postings (Jan 2015 - Jul 2015)

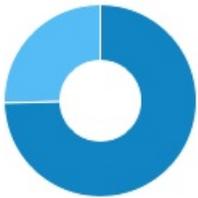
246

Avg. Monthly Hires (Jan 2015 - Jul 2015)



Occupation	Avg Monthly Postings (Jan 2015 - Jul 2015)	Avg Monthly Hires (Jan 2015 - Jul 2015)
Production Occupations	50	246

Occupation Gender Breakdown



Gender	2015 Jobs	2015 Percent
● Males	3,242	74.6%
● Females	1,103	25.4%

Occupation Age Breakdown



Age	2015 Jobs	2015 Percent
14-18	30	0.7%
19-24	436	10.0%
25-34	883	20.3%
35-44	905	20.8%
45-54	1,135	26.1%
55-64	811	18.7%
65+	144	3.3%

Occupation Race/Ethnicity Breakdown



Race/Ethnicity	2015 Jobs	2015 Percent
White	3,938	90.7%
Black or African American	217	5.0%
Hispanic or Latino	90	2.1%
Asian	73	1.7%
Two or More Races	22	0.5%
American Indian or Alaska Native	4	0.1%
Native Hawaiian or Other Pacific Islander	1	0.0%

Occupational Programs

1 Programs (2014)	0 Completions (2014)	300 Openings (2014)
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CIP Code	Program	Completions (2014)
11.0301	Data Processing and Data Processing Technology/Technician	0

Industries Employing Production Occupations

Industry	Occupation Jobs in Industry (2015)	% of Occupation in Industry (2015)	% of Total Jobs in Industry (2015)
Commercial Printing (except Screen and Books)	309	7.1%	56.5%
Temporary Help Services	303	7.0%	21.6%
Other Industrial Machinery Manufacturing	281	6.5%	43.1%
Motor Vehicle Body Manufacturing	270	6.2%	63.1%
All Other Plastics Product Manufacturing	225	5.2%	58.0%

Appendix A - Data Sources and Calculations

Occupation Data

EMSI occupation employment data are based on final EMSI industry data and final EMSI staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level EMSI earnings by industry.

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

Job Postings Data

In partnership with EMSI's parent company CareerBuilder and other third party aggregators, EMSI collects its job postings data by scraping approximately 30,000 websites. EMSI then cleans the data and applies a two-step deduplication process to present an estimate of total unique postings. Normalization of data fields is performed using machine-learning technologies, which leverage not just job postings data but also CareerBuilder's extensive database of résumés and profiles.

Hires Data

EMSI produces hires data using a proprietary methodology which incorporates data from the Quarterly Workforce indicators (QWI) and American Community Survey (ACS).

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

Industry Data

EMSI industry data have various sources depending on the class of worker. (1) For QCEW Employees, EMSI primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns and Current Employment Statistics. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey,

Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

State Data Sources

This report uses state data from the following agencies: Kentucky Office of Employment and Training; Ohio Department of Job and Family Services, Labor Market Information Division