

LIFT: Lightweight Workforce Quarterly Summary

Ohio, Q2 2018



Following a trend of cooling online demand beginning after Q2 2015, online job ads for lightweighting-related occupations in Ohio experienced decline of 14.1 percent between Q1 and Q2 2018. There were 55,015 job postings during Q2 2018. Despite this decrease, this quarter's level of demand remains 68 percent greater than the 32,705 ads reported when analysis began in Q1 2012.

2018 marked the eighth consecutive year of employment growth in lightweighting-related occupations. Over 745,000 Ohio workers were employed in occupations related to lightweighting during 2018.

745,773

workers in lightweighting-related occupations in Ohio (2018)



decrease in lightweighting job postings since Q1



eight consecutive years of employment growth

Most Skilled Trades jobs are open to entry-level workers that undertake post-secondary training in high-demand skillsets. Obtaining a certificate in HVAC or CNC machining can lead candidates into successful Skilled Trades careers. Posted educational criteria for this group is shown below.

Industrial Engineers, Laborers and Freight, Stock and Material Movers, Hand workers are in high demand by Ohio employers seeking administrative workers. Those with at least three years of experience in warehousing, purchasing and procurement, customer service, or forklift operation are desired.

Most (61 percent in Q2 2018) lightweighting-related Engineering and Design job postings require a bachelor's degree. Most Ohio employers prefer applicants with some previous experience, primarily three to five years.

★ TOP 10 OCCUPATIONS IN DEMAND STATEWIDE

Occupation	Job Postings
Laborers and Freight, Stock, and Material Movers, Hand	1,394
Maintenance and Repair Workers, General	1,076
Production Workers, All Other	774
First-Line Supervisors of Production and Operating Workers	545
Industrial Engineering Technicians	509
First-Line Supervisors of Mechanics, Installers, and Repairers	413
Inspectors, Testers, Sorters, Samplers, and Weighers	382
Mechanical Engineers	368
Production, Planning, and Expediting Clerks	314
Electrical Engineers	306

⚙️ SKILLED TRADES SUBGROUP EDUCATION & TRAINING IN-DEMAND



☑️ IN-DEMAND CERTIFICATIONS BY GROUP

SKILLED TRADES

- Commercial Driver's License (CDL)
- American Society for Quality (ASQ) Certified
- Certified Quality Engineer
- Certified Quality Auditor
- Certified Welder

ADMINISTRATION

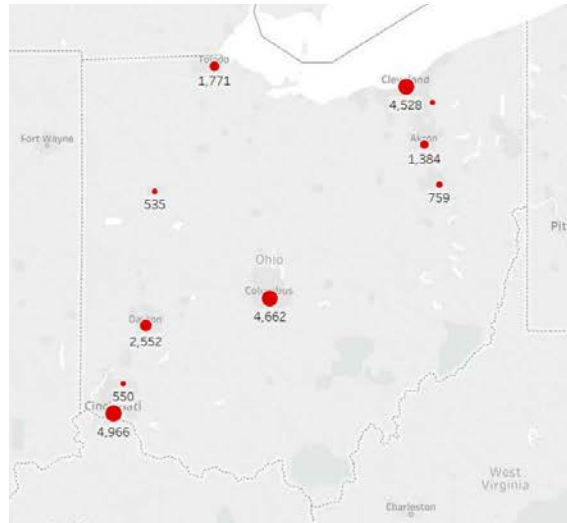
- Certified Quality Engineer
- American Society for Quality (ASQ) Certified
- Commercial Driver's License (CDL)
- Master of Business Administration (MBA)
- Certified in Production and Inventory Management

ENGINEERS AND DESIGNERS

- Professional Engineer
- Certified Quality Engineer
- American Society for Quality (ASQ) Certified
- Certified Quality Auditor
- Master of Business Administration (MBA)

📍 STATEWIDE POSTINGS BY CITY

Lightweighting-related postings were widespread across the state of Ohio. The greatest number of postings were in Cincinnati, with 4,966 ads, followed by Columbus with 4,662 postings and Cleveland with 4,528 postings.



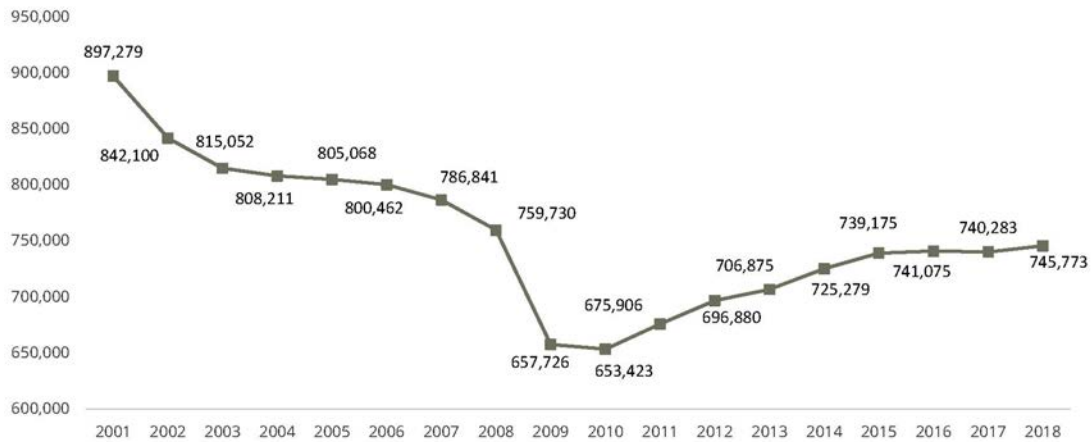
★ LOCAL SPOTLIGHT

Ohio, and the Cincinnati Metropolitan Statistical Area (MSA) in particular, have high location quotient (industry concentration) for a number of R&D-focused engineering and design positions. These include occupations such as Drafters, All Other and Materials Scientists.

⌘ LIGHTWEIGHTING-RELATED EMPLOYMENT OVER TIME

Ohio, 2001 - 2018

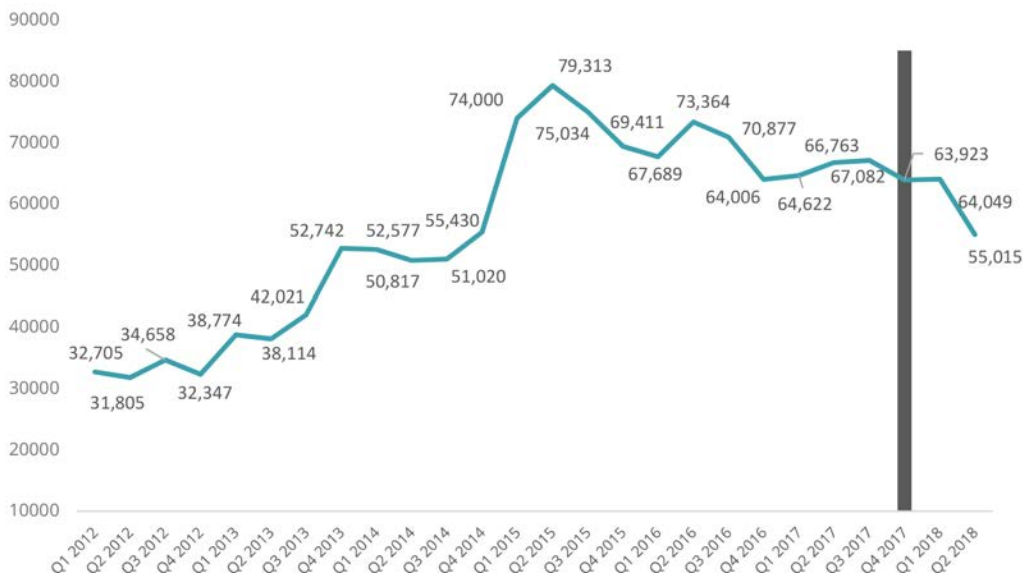
Employment in lightweighting-related occupations grew by about 5,500 employees between 2017 and 2018. Since the lowest point of the Great Recession in 2009, employment has grown steadily, recovering over 90,000 workers.



⌘ LIGHTWEIGHTING-RELATED JOB POSTING OVER TIME

Ohio, Q1 2012 - Q2 2018

Lightweighting-related job postings fell 14 percent between Q1 2018 and Q2 2018. Since tracking began in Q1 2012, postings have grown by just over 23,000 ads, or 68 percent.



Lightweight Innovations for Tomorrow (LIFT) is a public-private partnership that develops and deploys advanced lightweight materials manufacturing technologies and implements education and training programs to prepare the workforce. Learn more here: <https://lift.technology/>.