

# LIFT: Lightweight Workforce Quarterly Summary

## MICHIGAN, Q1 2018



After hovering around or over 30,000 postings between Q3 2015 and Q3 2017, employer demand for lightweighting-related skills declined for the second quarter in a row by five percent into Q1 2018. There were 25,991 job postings during Q1 2018, down 25.4 percent since Q1 2017. **However, this level of demand still represents a 30 percent growth since Q1 2013.**

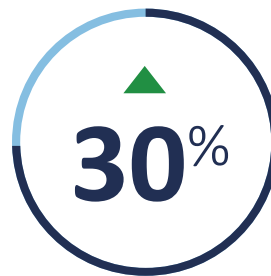
### ★ TOP 10 OCCUPATIONS IN-DEMAND STATEWIDE

Occupation	Job Postings
Laborers and Freight, Stock, and Material Movers, Hand	2,317
Maintenance and Repair Workers, General	1,967
Electrical Engineers	1,500
Mechanical Engineers	1,425
Production Workers, All Other	1,422
Inspectors, Testers, Sorters, Samplers, and Weighers	823
First-Line Supervisors of Production and Operating Workers	783
Validation Engineers	726
First-Line Supervisors of Mechanics, Installers, and Repairers	720
Industrial Engineering Technicians	699

**2018 marked the ninth consecutive year of employment growth in lightweighting-related occupations in Michigan.** Nearly 700,000 Michigan workers were employed in LIFT-related occupations during 2018, slightly surpassing 2006 employment.

# 699,876

workers in lightweighting-related occupations in Michigan (2018)



increase in demand for lightweighting skills



nine consecutive years of employment growth

Most Skilled Trades jobs are open to entry-level workers willing to undertake some post-secondary training programs in high-demand skillsets. Earning a certificate or associate's degree in welding or CNC machining, for example, can lead candidates into successful Skilled Trades careers. Quality assurance and preventative maintenance skills are also in-demand.

Michigan employers are seeking Administration workers with experience in the high-demand Logistics and Procurement & Purchasing occupations. Positions were equally split between requirements for a high school diploma and a bachelor's degree, and primarily available with under five years' experience. Training in skills such as purchasing, logistics, and forklift operation make workers sought-after at Michigan manufacturers.

The majority (77 percent in Q1 2018) of lightweighting-related Engineering & Design job postings in Michigan require a bachelor's degree. Candidates with an undergraduate degree in mechanical engineering along with project management and product development skills can earn competitive wages in lightweighting-related positions in Michigan.

### ☑ SKILLED TRADES EXPERIENCE IN-DEMAND

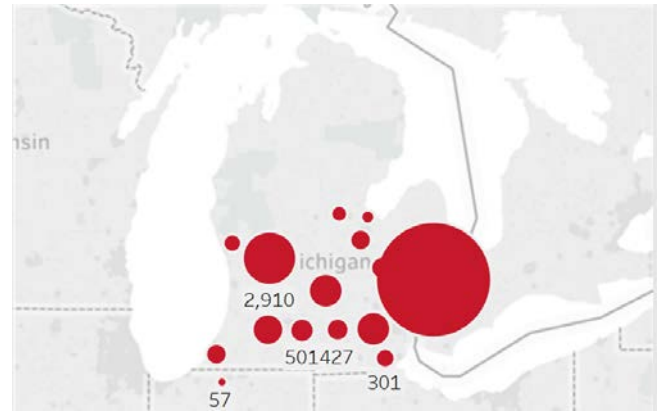


### ⚙️ SKILLED TRADES EDUCATION & TRAINING IN-DEMAND



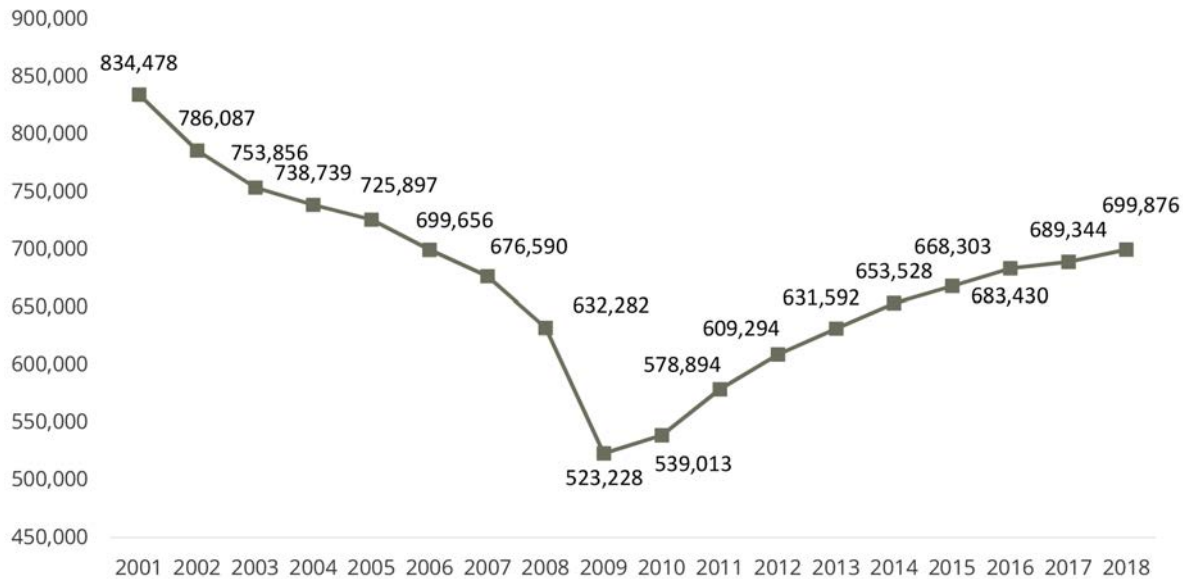
## STATEWIDE POSTINGS BY MSA

Lightweighting-related postings were widespread across Michigan Metropolitan Statistical Areas (MSAs), with the Detroit-Warren-Deaborn MSA experiencing the most (14,160), and the Grand Rapids-Wyoming MSA coming in second, with 2,910 postings. Other areas of note include the Lansing-East Lansing MSA and the Ann Arbor MSA.



## LIGHTWEIGHTING-RELATED EMPLOYMENT OVER TIME MICHIGAN, 2001 - 2018

2018 marked the ninth consecutive year of employment growth in lightweighting-related occupations in Michigan. Nearly 700,000 Michigan workers were employed in LIFT-related occupations during 2018, slightly surpassing 2006 employment.



## LIGHTWEIGHTING-RELATED JOB POSTING OVER TIME MICHIGAN, Q1 2013 - Q1 2018

Lightweighting-related job postings declined slightly between Q4 2017 and Q1 2018, and demand is currently about 25 percent lower than in Q1 2017. Since tracking began in Q1 2013, postings have grown by over 5,000 ads, or 30 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/>.