LIFT: Lightweight Workforce Quarterly Summary

TENNESSEE, Q1 2018

Between Q4 2017 and Q1 2018, online ads for lightweighting-related jobs grew by 17.3 percent in Tennessee. **There were 9,445 related job postings during Q1 2018, which represents increased demand of 15 percent in the five years since analysis began in Q1 2013.**

2018 marked the eighth consecutive year of employment growth in lightweighting-related occupations. Over 420,000 Tennessee workers were employed in occupations related to lightweighting during 2018.

TOP 10 OCCUPATIONS IN-DEMAND STATEWIDE

Occupation	Job Postings
Laborers and Freight, Stock, and Material Movers, Hand	1,479
Maintenance and Repair Workers, General	946
Production Workers, All Other	717
Industrial Engineers	410
First-Line Supervisors of Production and Operating Workers	361
Team Assemblers	344
First-Line Supervisors of Mechanics, Installers, and Repairers	303
Inspectors, Testers, Sorters, Samplers, and Weighers	278
Production, Planning, and Expediting Clerks	268
Purchasing Agents, Except Wholesale, Retail, and Farm Products	255

426,154

workers in lightweighting-related occupations in Tennessee (2018)

increase in demand for lightweighting skills

eight consecutive years of employment growth

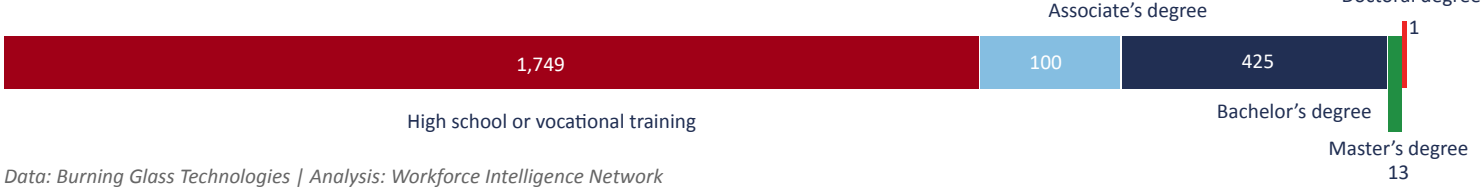
Most Skilled Trades jobs are open to entry-level workers, with a high school education or above. Tennessee employers are primarily seeking Skilled Trades workers with repair, inspection and scheduling skills.

Tennessee employers are seeking Administration workers with experience in the high-demand Logistics, Procurement, and Purchasing occupations. Entry-level workers with experience in communication, organization, and writing – especially Microsoft Office and SAP – are ideal candidates for employment in these fields.

A significant portion (44 percent in Q1 2018) of all lightweighting-related Engineering and Design job postings in Tennessee require a bachelor's degree. Candidates with an undergraduate degree in electrical, chemical or mechanical engineering can earn competitive wages in lightweighting-related positions in Tennessee.

SKILLED TRADES EXPERIENCE IN-DEMAND

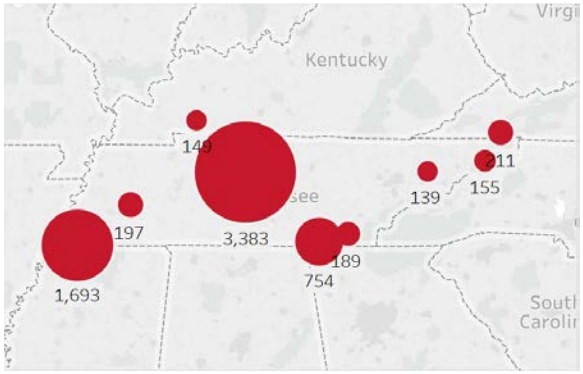
SKILLED TRADES EDUCATION & TRAINING IN-DEMAND



Data: Burning Glass Technologies | Analysis: Workforce Intelligence Network

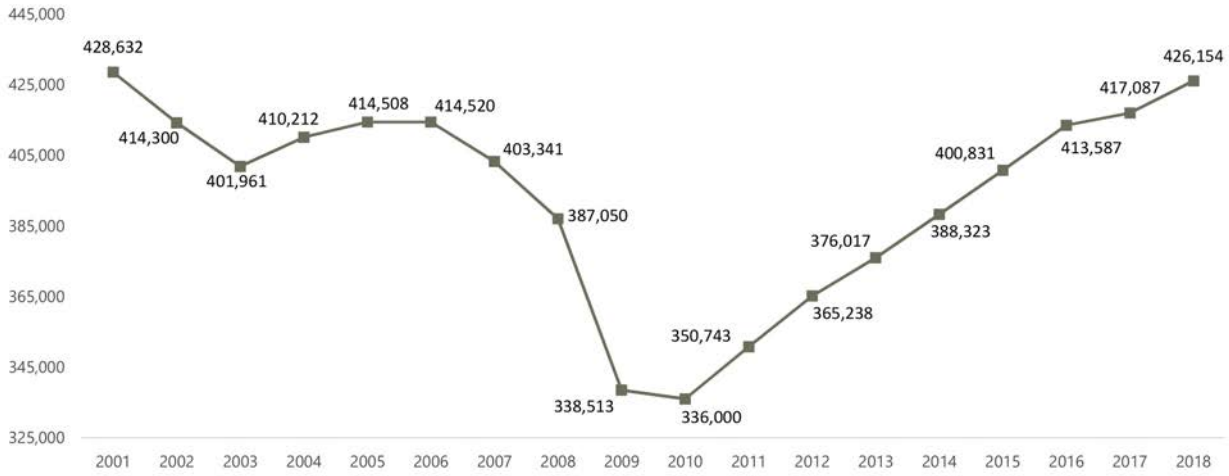
STATEWIDE POSTINGS BY MSA

Lightweighting-related postings were widespread across Tennessee Metropolitan Statistical Areas (MSAs), with the Nashville-Davidson-Murfreesboro-Franklin MSA experiencing the most (3,383), and the Memphis MSA coming in second, with 1,693 postings.



LIGHTWEIGHTING-RELATED EMPLOYMENT OVER TIME **TENNESSEE, 2013 - 2018**

Employment in lightweighting-related occupations grew between 2017 and Q1 2018, by around 9,000 employees. Since the end of the Great Recession in 2010, employment has grown steadily (just over 90,000), and is close to reaching pre-recessionary levels.

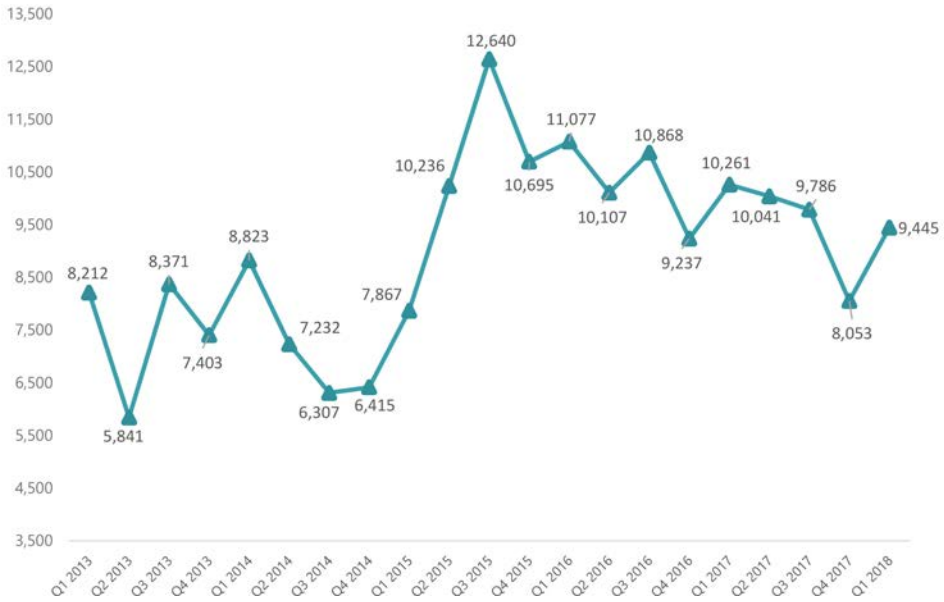


Data: EMSI
Analysis: Workforce Intelligence Network

LIGHTWEIGHTING-RELATED JOB POSTING OVER TIME

TENNESSEE, Q1 2013 - Q1 2018

Lightweighting-related job postings increased between Q4 2017 and Q1 2018, but are down over the year by a little under 1,000 ads. Since tracking began in Q1 2013, postings have grown by just over 1,200 ads, or 15 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/.

LIFT LIGHTWEIGHT INNOVATIONS FOR TOMORROW