

# SUPPLY CHAIN TECHNICIANS IN MICHIGAN



National Center for  
Supply Chain Automation

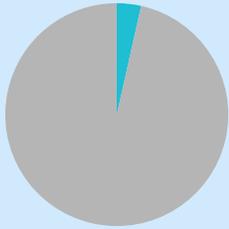
## WHO ARE SUPPLY CHAIN TECHNICIANS?

The National Center for SCA defines the job of a Supply Chain Technician as a person who installs, operates, supports, upgrades or maintains the automated material handling equipment and systems that support the supply chain.

Supply chain technician is an emergent occupation that does not currently exist in the federal Standard Occupational Classification (SOC) system.

## WHY SUPPLY CHAIN TECHNICIANS?

Michigan accounts for about 4% of current supply chain technicians related workforce in the nation



- Schools in the United States are not producing enough supply chain mechanics and technicians with the requisite skills.

(University of Tennessee, 2015)

- The supply chain field gets overlooked by new graduates, who think of supply-chain work as “a guy driving a forklift in a dusty old factory.” That outdated image is a huge hurdle for an industry that badly needs new talent in high tech, analytics, robotics, and engineering. (Fortune Magazine, 2014)

## EMPLOYMENT IN MICHIGAN\*

In Michigan, supply chain related technicians and mechanics (defined using nine standard occupational codes) are currently estimated to number about 84,300. They are projected to grow by 6% by 2025. In addition to the new growth, companies are expected to replace about 22% of their current technician workforce, thus creating about 23,000 total job openings (both new and replacement) in the next 10 years.

Michigan is home to 136 distribution center facilities of over 250,000 square feet. (CoStar, 2014)

Studies suggest that 70% of warehouses will add more automated processes in a 5-year timeframe. (Motorola 2013 Warehouse Visions Report)

With an average need for 4-6 technicians per large automated distribution center, Michigan warehouses will need estimated 550 to 850 trained technicians to support their automated operations in a 5-year period.

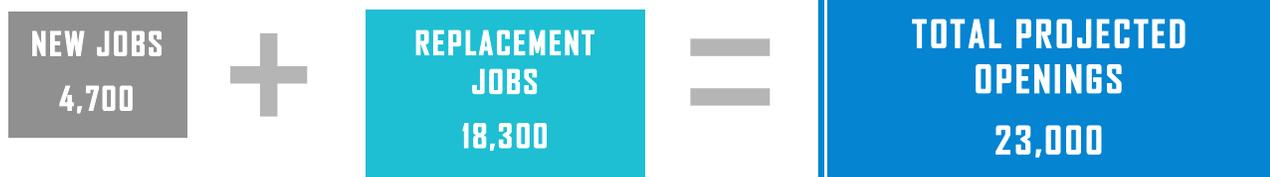
## 10-year Employment Projections

2015 JOBS  
84,300

+ 6%

2025 JOBS  
89,000

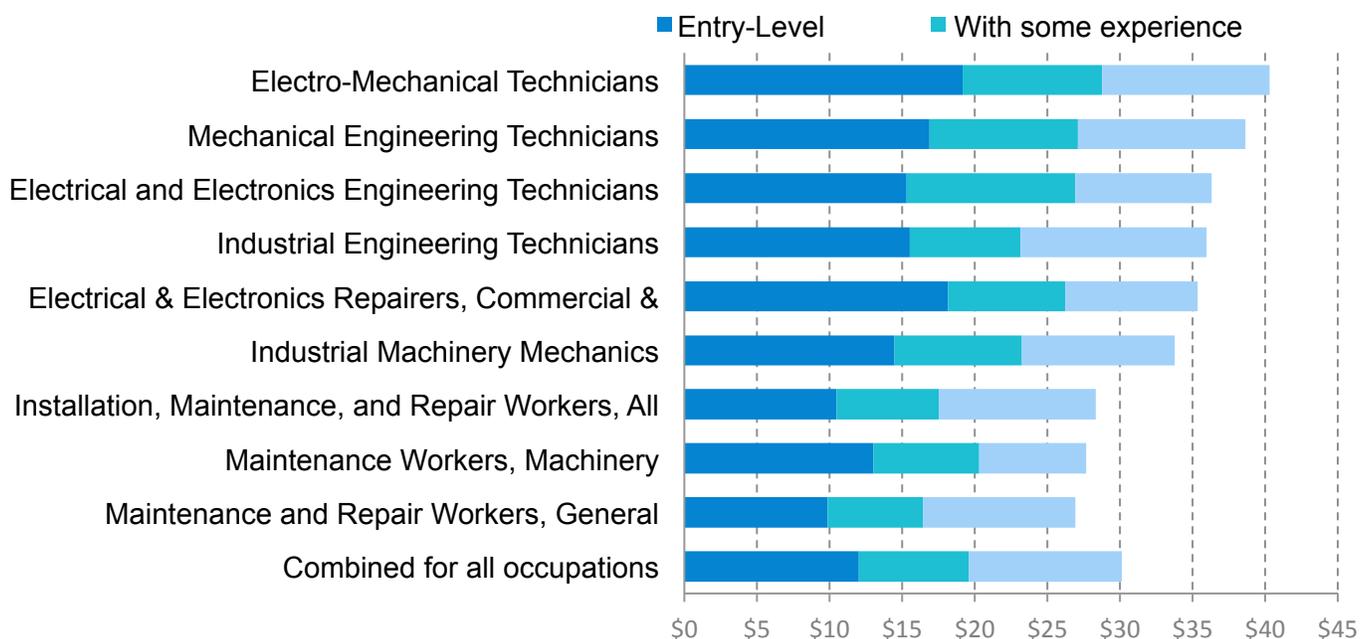
## 10-year Job Openings



## EMPLOYMENT PROJECTIONS FOR OCCUPATIONS RELATED TO SUPPLY CHAIN TECHNICIANS IN MICHIGAN, 2015-2025

Occupations (Standard Occupational Code)	2015 Jobs	2025 Jobs	Total Job Openings (new & replacement)	New Jobs	Replacement Jobs	% Growth	% Replacement
Maintenance and Repair Workers, General (49-9071)	44,694	46,855	10,987	2,161	8,826	5%	20%
Industrial Machinery Mechanics (49-9041)	14,701	16,282	6,007	1,581	4,426	11%	30%
Installation, Maintenance, and Repair Workers, All Other (49-9099)	5,795	6,202	1,403	407	996	7%	17%
Electrical and Electronics Engineering Technicians (17-3023)	5,010	5,310	1,361	300	1,061	6%	21%
Mechanical Engineering Technicians (17-3027)	4,588	4,710	1,184	122	1,062	3%	23%
Industrial Engineering Technicians (17-3026)	4,885	4,732	1,116	(153)	1,116	-3%	23%
Maintenance Workers, Machinery (49-9043)	2,736	2,920	564	184	380	7%	14%
Electrical & Electronics Repairers, Comm. & Industrial Equipment (49-2094)	1,437	1,527	390	90	300	6%	21%
Electro-Mechanical Technicians (17-3024)	416	456	130	40	90	10%	22%

## HOURLY EARNINGS OF OCCUPATIONS RELATED TO SUPPLY CHAIN TECHNICIANS IN MICHIGAN, 2015\*\*



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\*As an emerging occupation, Supply Chain Technician (SCT) does not have a designated SOC code. Each SOC code listed in this brief includes SCTs as a primary segment of its workforce, as well as an unknown number not employed as SCTs. \*\*Wages in the chart are represented for 10<sup>th</sup>, 50<sup>th</sup>, and 90<sup>th</sup> percentiles.