

# SUPPLY CHAIN TECHNICIANS IN MINNESOTA



National Center for  
Supply Chain Automation

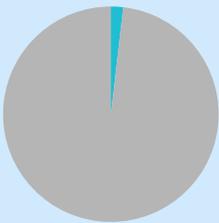
## WHO ARE SUPPLY CHAIN TECHNICIANS?

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?

Minnesota accounts for over 2% of the current supply technician 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 That outdated image is a huge hurdle for an industry that badly needs new talent in high tech, analytics, robotics, and engineering.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 MINNESOTA\*

In Minnesota, supply chain related technicians and mechanics (defined using nine standard occupational codes) are currently estimated to number about 44,100. They are projected to grow by 9% by 2025. In addition to the new growth, companies are expected to replace about 22% of their current technician workforce, thus creating about 13,500 total job openings (both new and replacement) in the next 10 years.

Minnesota is home to 68 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, Minnesota warehouses will need estimated 200 to 300 trained technicians to support their automated operations in a 5-year period.

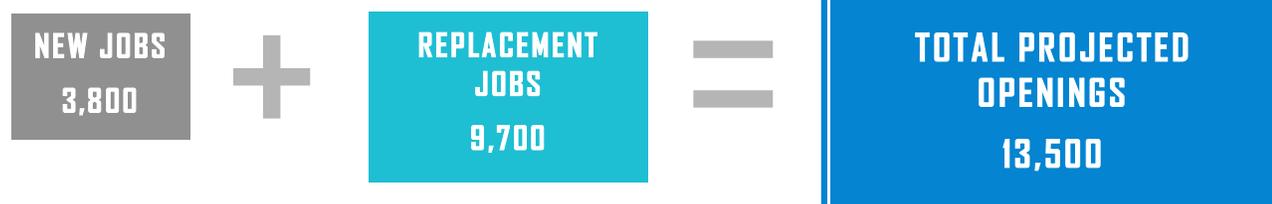
## 10-year Employment Projections

2015 JOBS  
44,100

+ 9%

2025 JOBS  
47,900

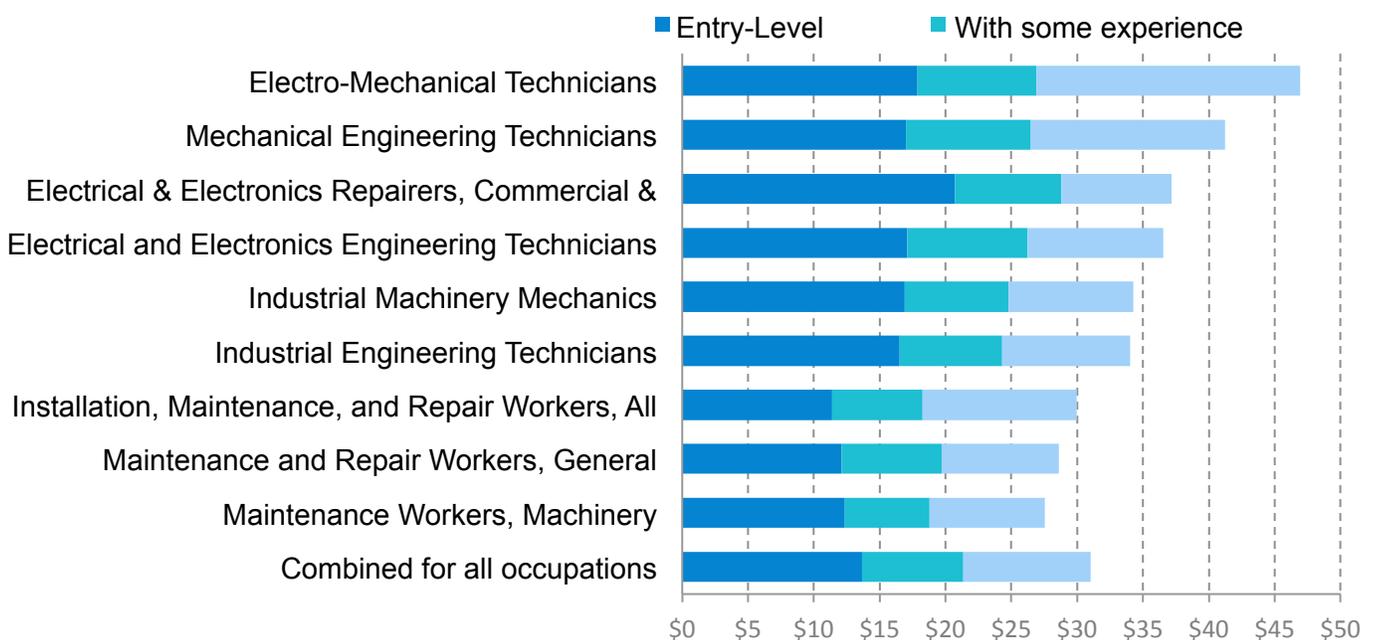
## 10-year Job Openings



## EMPLOYMENT PROJECTIONS FOR OCCUPATIONS RELATED TO SUPPLY CHAIN TECHNICIANS IN MINNESOTA, 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)	23,730	26,039	7,163	2,309	4,854	10%	20%
Industrial Machinery Mechanics (49-9041)	6,396	7,492	3,132	1,096	2,036	17%	32%
Installation, Maintenance, and Repair Workers, All Other (49-9099)	4,992	5,195	1,148	203	945	4%	19%
Industrial Engineering Technicians (17-3026)	2,904	2,849	644	(55)	644	-2%	22%
Electrical and Electronics Engineering Technicians (17-3023)	2,504	2,488	542	(16)	542	-1%	22%
Mechanical Engineering Technicians (17-3027)	1,498	1,537	358	39	319	3%	21%
Electrical & Electronics Repairers, Comm. & Industrial Equipment (49-2094)	948	1,022	271	74	197	8%	21%
Maintenance Workers, Machinery (49-9043)	903	1,038	257	135	122	15%	14%
Electro-Mechanical Technicians (17-3024)	196	213	43	17	43	9%	22%

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



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