Supply Chain Technicians in Tennessee

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?

Tennessee accounts for over 2% of the current supply chain technicians related workforce in the nation
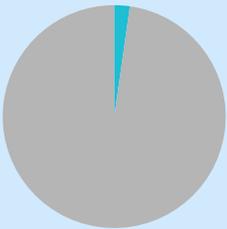
— Schools in the United States are not producing enough supply chain mechanics and technicians with the requisite skills. **(University of Tennessee, 2015)**

— 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 That outdated image is a huge hurdle for an industry that badly needs new talent in high tech, analytics, robotics, and engineering.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 Tennessee*

In Tennessee, supply chain related technicians and mechanics (defined using nine standard occupational codes) are currently estimated to number about 54,200. They are projected to grow by 8% by 2025. In addition to the new growth, companies are expected to replace about 21% of their current technician workforce, thus creating about 15,700 total job openings (both new and replacement) in the next 10 years.

> Tennessee is home to 200 distribution center facilities of over 250,000 square feet. (CoStar, 2014)
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> Studies suggest that 70% of warehouses will add more automated processes in a 5-year timeframe. (Motorola 2013 Warehouse Visions Report)
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> With an average need for 4-6 technicians per large automated distribution center, Tennessee warehouses will need estimated 550 to 850 trained technicians to support their automated operations in a 5-year period.
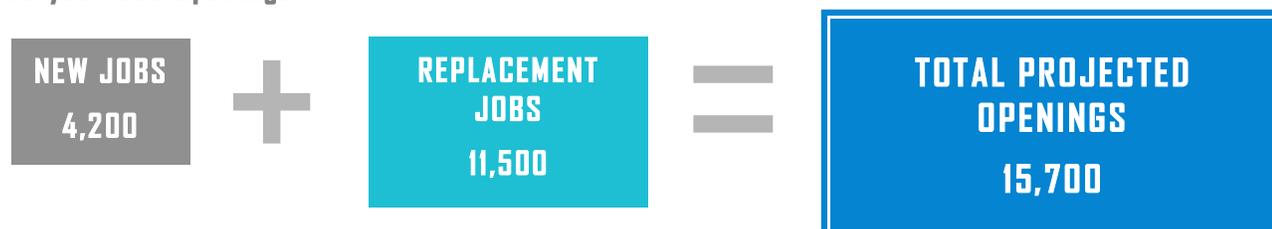
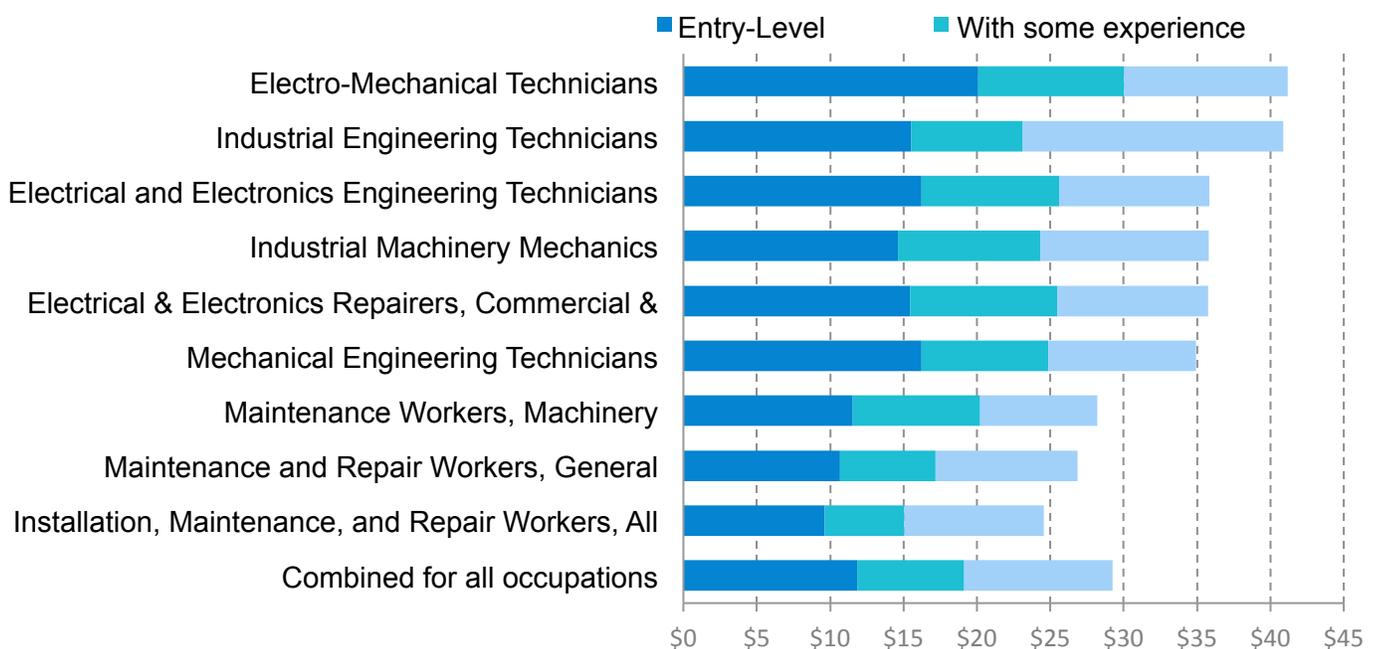### 10-year Employment Projections

2015 JOBS	+ 8% →	2025 JOBS
54,200		58,400

10-year Job Openings

NEW JOBS	+	REPLACEMENT JOBS	=	TOTAL PROJECTED OPENINGS
4,200		11,500		15,700

Employment Projections for Occupations Related to Supply Chain Technicians in Tennessee, 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)	32,298	34,806	8,975	2,508	6,467	8%	20%
Industrial Machinery Mechanics (49-9041)	6,569	7,660	3,161	1,091	2,070	17%	32%
Installation, Maintenance, and Repair Workers, All Other (49-9099)	4,310	4,598	1,076	288	788	7%	18%
Maintenance Workers, Machinery (49-9043)	3,665	3,748	638	83	555	2%	15%
Electrical and Electronics Engineering Technicians (17-3023)	2,510	2,590	608	80	528	3%	21%
Industrial Engineering Technicians (17-3026)	1,925	1,892	435	(33)	435	-2%	23%
Mechanical Engineering Technicians (17-3027)	1,293	1,378	360	85	275	7%	21%
Electrical & Electronics Repairers, Comm. & Industrial Equipment (49-2094)	1,192	1,271	326	79	247	7%	21%
Electro-Mechanical Technicians (17-3024)	423	410	92	(13)	92	-3%	22%

Hourly Earnings of Occupations Related to Supply Chain Technicians in Tennessee, 2015**

Legend: ■ Entry-Level ■ With some experience

(Occupations, top to bottom: Electro-Mechanical Technicians; Industrial Engineering Technicians; Electrical and Electronics Engineering Technicians; Industrial Machinery Mechanics; Electrical & Electronics Repairers, Commercial &; Mechanical Engineering Technicians; Maintenance Workers, Machinery; Maintenance and Repair Workers, General; Installation, Maintenance, and Repair Workers, All; Combined for all occupations. X-axis: $0 to $45)