



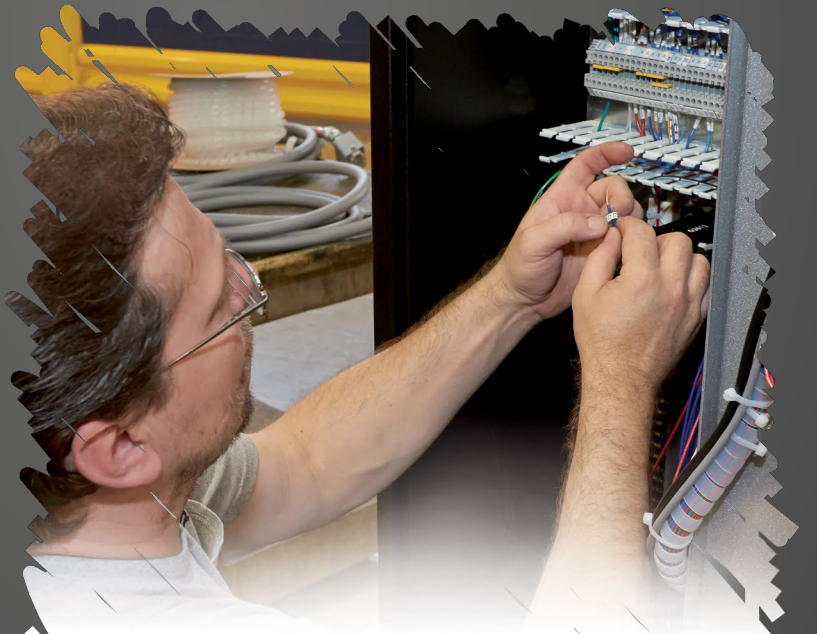
MECHATRONICS Certification

Over the next decade 2 million manufacturing jobs are expected to go unfilled in the United States because of the lack of qualified workers. As processing and packaging equipment becomes more technologically advanced, developing a skilled workforce is critical.



WHY MECHATRONICS?

Employers need multi-skilled workers to operate, maintain, and troubleshoot automated equipment on the plant floor. To achieve this, workers require mechatronics skills.



Mechatronics is essential for:

- Industrial maintenance technicians.
- Maintenance mechanics.
- Installation, maintenance, and repair workers.
- Production technicians, and more.

PMMI Mechatronics Certification Tests help you assess workers for the core skills and real-world application needed in today's processing and packaging industry.





PMMI.ORG/MECHATRONICS

Mechatronics Certifications

INDUSTRIAL ELECTRICITY 1

Basic industrial electricity and electronics, particularly relating to packaging and processing machinery

MECHANICAL COMPONENTS 1

Most commonly found mechanical drive components in packaging and processing machinery

PROGRAMMABLE LOGIC CONTROLLERS (PLCs) 1

Principles and applications of different types of logic and programming used to control packaging and processing machinery

FLUID POWER 1

Function, operation, and application of common components used in fluid power circuits and systems

INDUSTRIAL ELECTRICITY 2

Builds on the topics covered on the Industrial Electricity 1 test.

MOTORS AND MOTOR CONTROLS

Principles, application, troubleshooting, and maintenance of rotating electrical motors and electronic motor drives in packaging and processing machinery

PLCs 2

Builds on the topics covered on the PLCs 1 test

Mechanical Components 2

Builds on the topics covered on the Mechanical Components 1 test

Benefits

TO EMPLOYERS:


- Provide existing workers a career pathway to grow, learn and become more valuable to your organization.
- Assess the current capabilities of your workers by incorporating our mechatronics tests into performance reviews.
- Give potential hires a mechatronics test to be sure they have the right skills before you hire them.
- Be confident in knowing your workers are qualified to move your company forward.

TO WORKERS:

- Confirm your technical knowledge.
- Pinpoint skills or areas in which you need further education/training.
- Gain a competitive edge.
- Better position yourself for promotions.



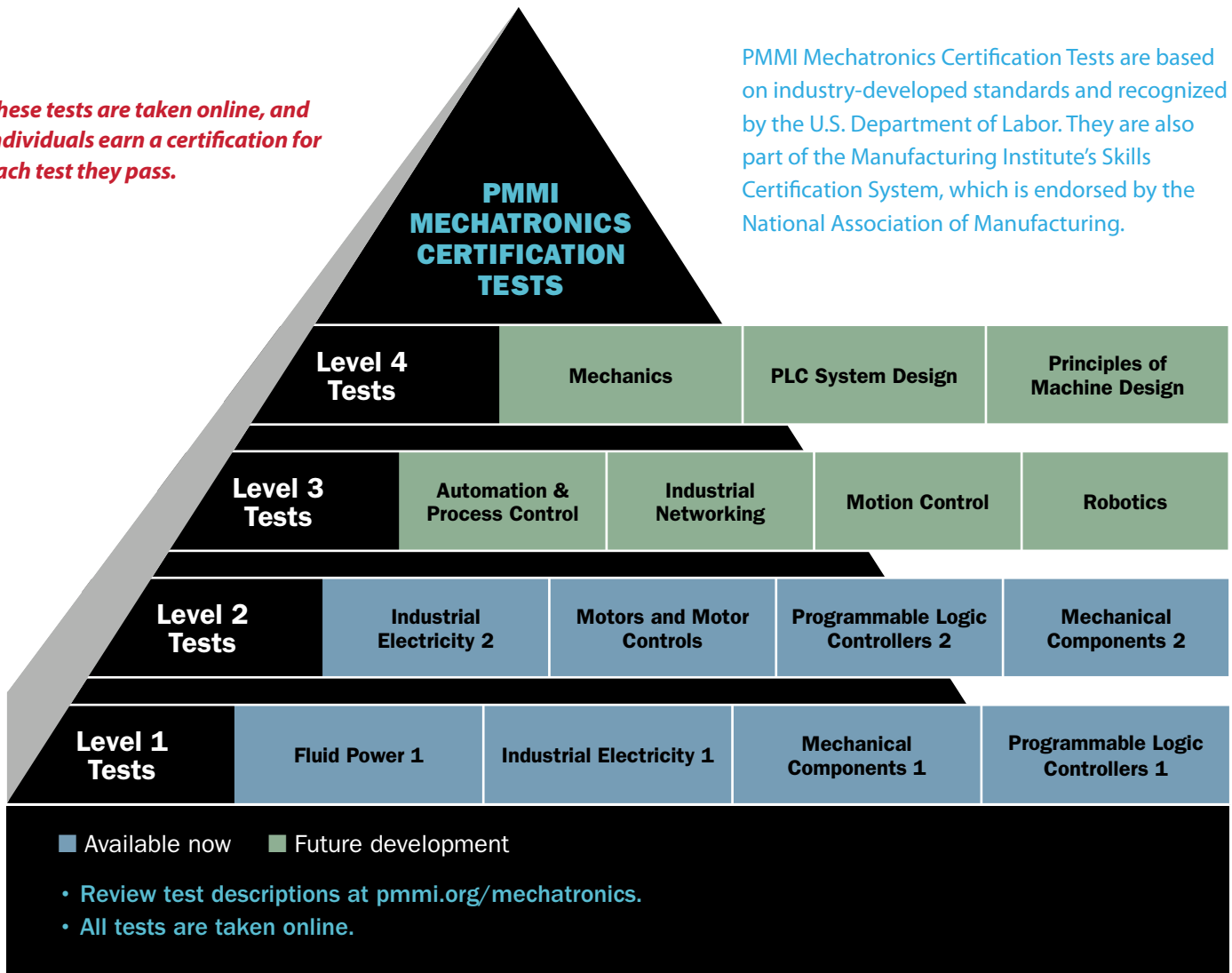


Mechanical and electrical components are more interconnected than ever before. Having a good understanding of how technologies work both individually and together is the key to mechatronics. PMMI's tests help you become more effective and productive on the job. 

SCOTT MELDEAU, CHIEF MARKETING OFFICER, BIMBA MANUFACTURING COMPANY

These tests are taken online, and individuals earn a certification for each test they pass.

PMMI Mechatronics Certification Tests are based on industry-developed standards and recognized by the U.S. Department of Labor. They are also part of the Manufacturing Institute's Skills Certification System, which is endorsed by the National Association of Manufacturing.



DOL National Apprenticeship Guidelines for Mechatronics

This competency based apprenticeship program is founded on the PMMI Mechatronics Certification test which are nationally portable, industry-accepted, third-party credentials endorsed by the National Association of Manufacturers' Skills Certification System. Employers can use the new apprenticeship guidelines as part of a formal, DOL-registered apprenticeship program or as a structure for their internal programs.





OUR CERTIFICATION HOLDERS ARE EMPLOYED BY THE FOLLOWING COMPANIES

A&B Engineering Services
Alcon Laboratories
American Health Packaging
Americraft Carton, Inc.
Amylin Pharmaceuticals, LLC.
Arizant Inc. a 3M company
Associated Packaging, Inc.
AVK Inc
Baxter Healthcare Corporation
Bay Valley Foods
Bayer HealthCare
Bridge Publications, Inc.
Busse/SJI Corp.
Centrix, Inc.
Church & Dwight
Clorox
ConAgra Foods, Inc.
Cook Pharmica
DDM Consulting Inc.
Dion's Pizza
Dr. Pepper Snapple Group
E2i, Inc.
EEI Manufacturing Services
Eli Lilly & Company
Enzymedica Inc.
Estee Lauder
Eventide Group LLC
Farason Corporation
Fidelity Container
Flexco
Flex-Pack Engineering, Inc.
Forest Laboratories, Inc.
Fruit of the Earth, Inc.
FSI International
Gamesa

Gerda
Grace Food Processors
Grande Cheese Company
H&P Industries
Heraeus Kulzer, LLC
The Hershey Company
Hormel Foods Corporate Services
HTC
Hydrogel Vision Corporation
Industrial Packaging, Inc.
Integrated DNA Technologies, Inc
Kimberly-Clark
Kitchen Pride Mushroom Farms, Inc.
Kleen Test Products, a Meridian Industries, Inc. Company
Kraft Foods
Kraken Automation Inc.
Land O'Frost, Inc.
LASA
Leprino Foods
Malt-O-Meal
MannKind Corporation
MAP Application Equipment
McKee Foods Corporation
McNeil Consumer Products
Mead Johnson & Company, LLC
MEDRAD, Inc.
Meissner Filtration Products Inc.
MGSG
MillerCoors Brewing
MOM Brands
Mori Seiki
Nestle
Newly Weds® Foods
Nice Pak
Novartis Pharmaceuticals Corp.

Nutritional Labs Int'l
Pak West Paper & Packaging
Paragon Films Inc.
Polar Semiconductor, Inc.
Polytron, Inc.
PPG Industries
Proctor & Gamble
ProMetric Systems, Inc.
RJM Mfg DBA Taratope
RR Donnelley
SaddleCreek Logistics Services
Saputo
Sauder Eggs
Schreiber Foods, Inc.
Scotts Company LLC, The
Sil-Pro Medical Manufacturing Solutions
SKF USA Inc.
Southeastern Container Inc.
Stephenson Services LLC
STERIS Corporation
Stratasys
Sunny Delight Beverages
SupplyOne
Sussex Integrated Manufacturing
SWS Consulting LLC
Synovis Surgical Innovations (SSI)
TCHS
The C.F. Sauer Company
The Dannon Company, Inc.
Thomas & Betts
Tone Products Inc.
Trillium Health Care Products
Western Slope Industries, Inc.
White Wave Foods
Wixon Seasonings and Flavor Systems

 For more information on the PMMI Mechatronics Certification program and to take a test, go to pmmi.org/mechatronics.

To volunteer to assist with test development or become an Industry or Education Partner, contact Nicole Dierkes, Education Program Assistant: ndierkes@pmmi.org or 571.612.3204.



The Association for Packaging and Processing Technologies

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