



INSPECTORS, TESTERS, SORTERS, SAMPLERS, AND WEIGHERS

ADVANCED MANUFACTURING INDUSTRY
OCCUPATION OUTLOOK IN SOUTHEAST MICHIGAN, 2023

OCCUPATION SUMMARY

This role involves inspecting, testing, sorting, sampling, or weighing nonagricultural materials and parts for defects or deviations from specifications. Precision instruments and complex test equipment may be used. Duties include rejecting non-conforming products, marking items with grade or acceptance status, measuring product dimensions to ensure specification compliance, and notifying supervisors of production issues. Learn more at onetonline.org

JOB TITLES

The Inspectors, Testers, Sorters, Samplers, and Weighers occupation refers to the entire industry in which someone works. Some examples of specific job titles for this occupation include:

- *Quality Inspectors*
- *Quality Technicians*
- *CMM Programmers*
- *Quality Assurance Specialists*
- *Inspectors*

Debt-free training and additional support may be available to jobseekers and those currently employed in this career

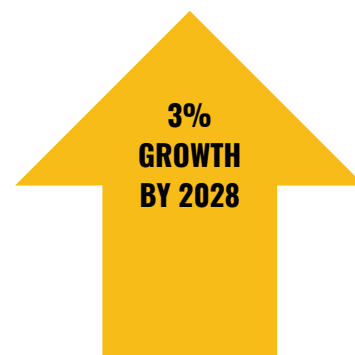
Contact your local **Michigan Works! Agency** to learn more
michiganworks.org/michigan-works-network

AVERAGE WAGE IN MICHIGAN

	Entry	Median	Experienced
Hourly	\$13.77	\$18.96	\$29.50
Annually	\$28,642	\$39,437	\$61,360

OCCUPATIONAL GROWTH

Projected to grow faster than average (3%); 3,568 annual job openings are predicted.



EARN WHILE YOU LEARN: REGISTERED APPRENTICESHIP

Employers or sponsors may provide apprenticeship opportunities, enabling individuals to acquire hands-on experience, engage in related instruction while receiving compensation. Completing a registered apprenticeship program can lead to career advancement and an average annual income of \$80,000. [Learn more.](#)

GROW A CAREER WITH ADVANCED DEGREES AND CERTIFICATES

PROFESSIONAL CERTIFICATIONS

- Quality Technician Certification
- American Society for Quality (ASQ) Certification
- Quality Auditor Certification
- Welding Inspector Certification
- Airframe & Powerplant (A&P) Certification
- Internal Auditor Certification
- NICET Certification (National Institute for Certification in Engineering Technologies)
- Quality Engineer Certification

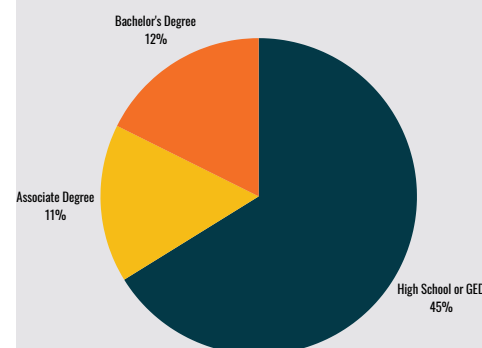
ADVANCED DEGREES AVAILABLE

(Associate, Bachelor's and Master's Degrees)

- Quality Management

EDUCATION

Percentage of Job Postings by Education Level



A POTENTIAL PATH TO SUCCESS

Explore strategies for overcoming significant factors that can impact employment by clicking [here](#). The following illustration outlines a potential career trajectory based on labor market insights within this occupation.

ENTRY LEVEL COMPETENCIES (0-2 YEARS EXPERIENCE)

Current employees who obtain training may be offered a new position, additional responsibility, and/or additional benefits.

Skills/knowledge in:

- Auditing
- Calipers
- Micrometer
- Quality Management Systems

Qualifications:

- Valid Driver's License

Skills/knowledge in:

- Quality Management
- Warehousing
- Statistical Process Controls
- Data Recording
- Data Entry
- Microsoft Suite

Skills/knowledge in:

- Coordinate Measuring Machine (CMM)
- Metrology
- Engineering Drawings
- Calibration

Qualifications:

- American Society for Quality (ASQ) Certification

MID-LEVEL COMPETENCIES (3-6 YEARS EXPERIENCE)

Continue gaining skills to stay relevant in an ever-changing ecosystem.

Skills/knowledge in:

- Product Inspection
- Blueprint Reading
- Manufacturing Processes
- Automotive Industry
- Production Part Approval Process
- Machining
- ISO 9000 Series

Skills/knowledge in:

- Construction
- Computer Science
- Construction Management
- Pharmaceuticals

Qualifications:

- NICET Certification (National Institute for Certification in Engineering Technologies)

Skills/knowledge in:

- Good Manufacturing Practices
- Rehabilitation
- Process Safety
- Mechanical Drawings
- Procurement
- Chemistry
- Project Management
- Workplace Safety
- Agile Methodology
- Jenkins

Qualifications:

- Security Clearance

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