

Build The Future YOU'VE BEEN DREAMING ABOUT

Start a good-paying, exciting career
in manufacturing today

[VIEW CAREERS](#)


**MANUFACTURING IS
THE LARGEST OF THE
SECTORS OF OHIO'S ECONOMY**

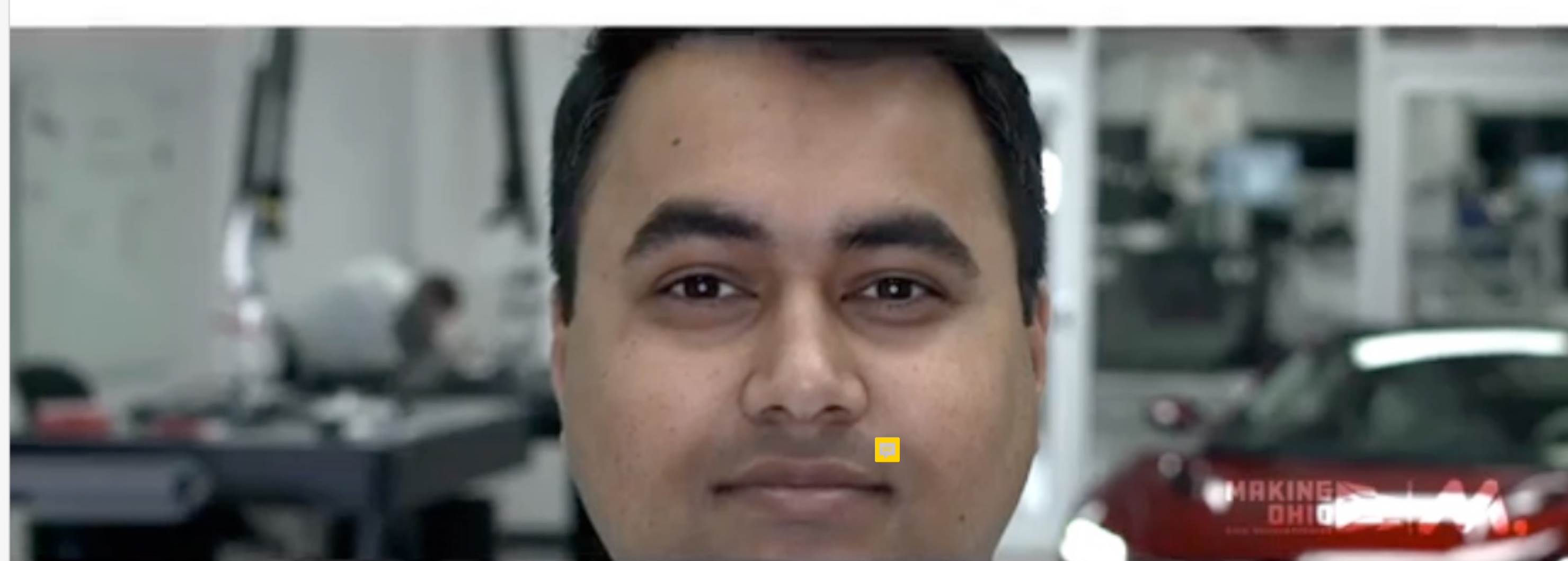
20

MANUFACTURING FOR A NEW AGE

Manufacturing today is more diverse, exciting, and alive than ever before. Regardless of your level of education or where you are in your career, we have the resources you need to succeed—including info about pay, job types, career pathways, educational requirements, and much more.



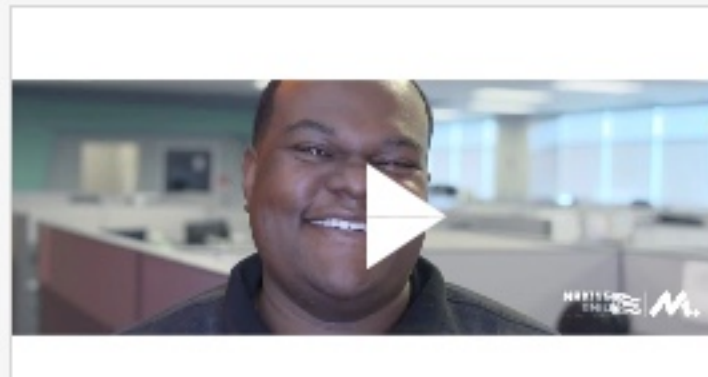
FIND SUCCESS



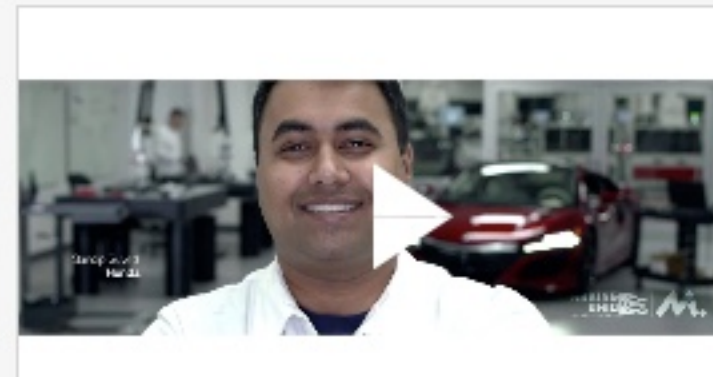
Discover the diverse roles for manufacturing workers.



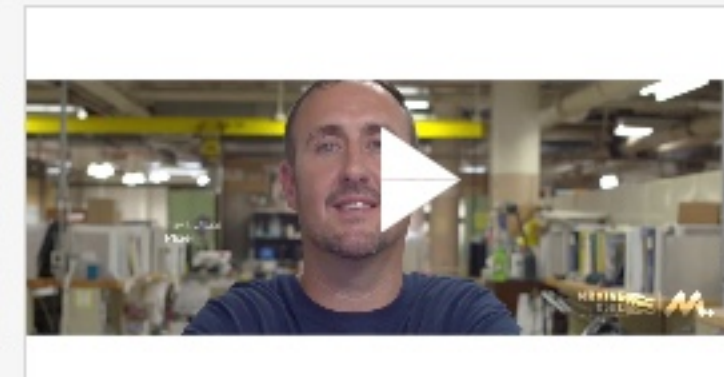
Hear stories from today's manufacturers about how they got started and how they make things.



Learn how manufacturers turn raw materials into finished goods.



Discover the diverse roles for manufacturing workers.



CAREER PATHWAYS

If you're ready for the challenge, there's a career in manufacturing waiting for you.

[LEARN MORE](#)

EARN & LEARN

Learn about innovative strategies that let you earn a living wage and avoid debt while completing your education.

[LEARN MORE](#)


GET SCHOOLED

Take advantage of industry training, degrees, certifications, and apprenticeships that'll up your skills, not bury you in debt.

[LEARN MORE](#)

Get Involved

ARE YOU A MANUFACTURER INTERESTED IN GETTING INVOLVED IN MAKING OHIO?

[LEARN MORE](#)

DO SOMETHING THAT *Fuels Your Passion* NOT BURNS YOU OUT

Today's modern opportunities are anything but dull.

MANUFACTURING VIDEO **JOB DESCRIPTIONS** **CAREER PATHWAYS**



FIND YOUR PATH AND YOUR PURPOSE

Contrary to popular belief, it is possible to have a career AND a life. So it's no surprise that with 92% of US manufacturing employees eligible for health insurance benefits and our average work week lasting 42 hours – we know work-life balance because we live it every day.

No matter where you come from, how much education you have or what you're interested in doing, there is a stable, good-paying job in manufacturing just waiting for you. And getting started has never been easier. So seize the moment and join the millions of others who chose to stop working a job and start building a career.

VIEW CAREER PATHWAYS

BUILD A CAREER. HAVE A LIFE.

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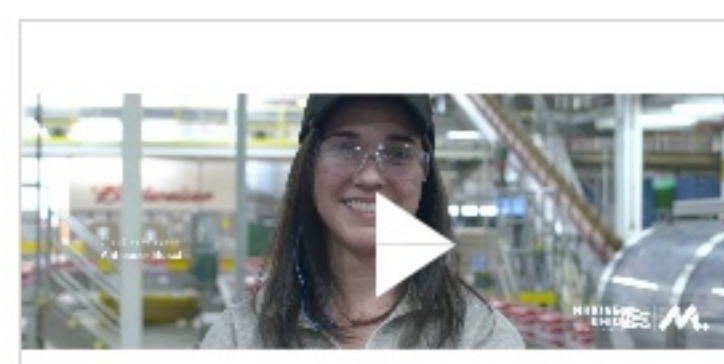
3 OHIO IS THE THIRD MOST PRODUCTIVE MANUFACTURING STATE IN THE NATION MEASURED BY ECONOMIC CONTRIBUTION

EXPLORE OPPORTUNITIES

Learn about manufacturing careers from a diverse group of experienced professionals.



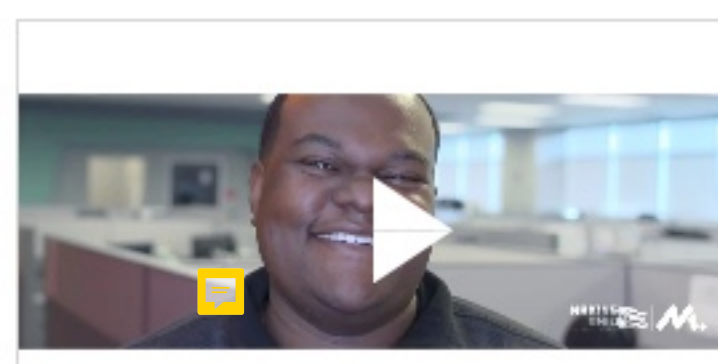
Creators Wanted! There are many jobs, career paths, and opportunities in manufacturing.



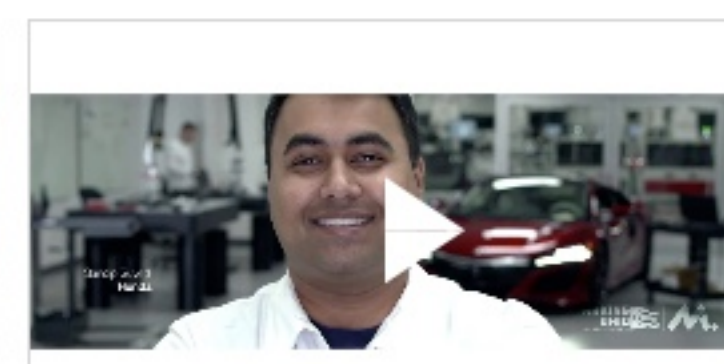
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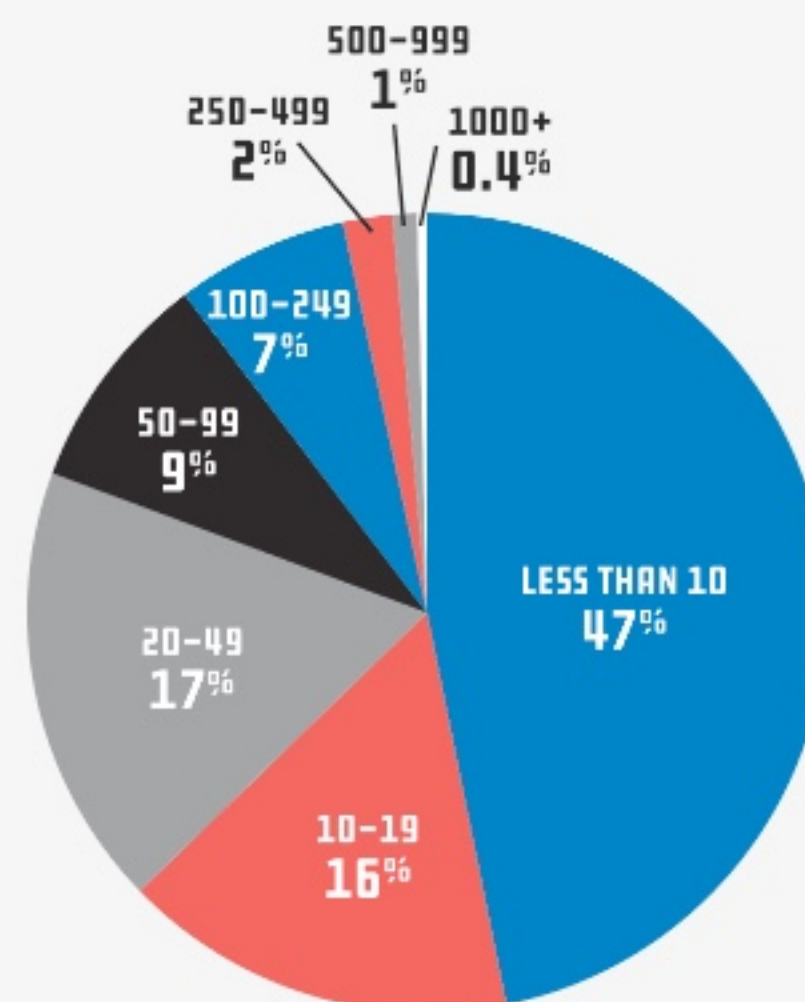


Discover the diverse roles for manufacturing workers.

MANUFACTURING FOR THE MODERN AGE

Modern manufacturers use equal parts brainpower, technology, and tenacity to design and fabricate high-precision parts and products for the necessities of today and the innovations of tomorrow.

ALMOST 50% OF OHIO MANUFACTURING FIRMS EMPLOY FEWER THAN 10 PEOPLE, WHILE 0.4% OF FIRMS EMPLOY 1,000 OR MORE PEOPLE.



Distribution of Ohio manufacturing firms by number of employees

JOB DESCRIPTIONS

Challenging. Technical. Satisfying. Find a manufacturing job that matches your interests.

LEARN MORE

CAREER PATHWAYS

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EARN & LEARN

Learn about innovative strategies that let you earn a living wage and avoid debt while completing your education.

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TURING VIDEO

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CAREER P

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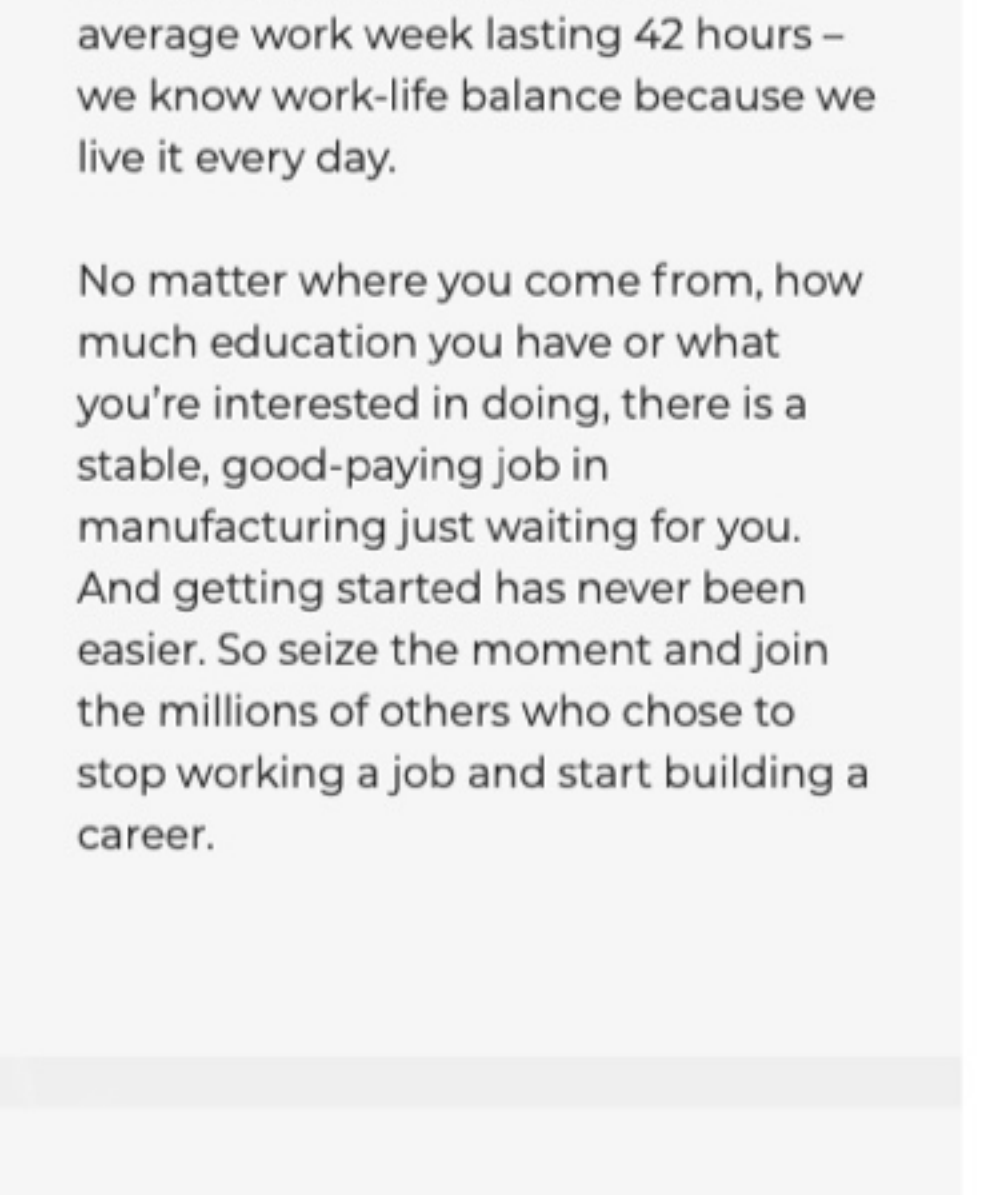
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Healthcare professionals can find many opportunities in manufacturing.

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Number of Employees	Percentage
LESS THAN 10	47%
10-19	16%
20-49	17%
50-99	9%
100-249	7%
250-499	2%
500-999	1%
1000+	0.4%


Distribution of Ohio manufacturing firms by number of employees



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MAKING
OHIO
OHIO MANUFACTURING



CAREERS



Manufacturing Video
Job Descriptions
Career Pathways

EDUCATION & TRAINING

EARN & LEARN

RESOURCES

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SEE WHAT'S POSSIBLE

Career opportunities in manufacturing today are challenging and diverse.



MANUFACTURING VIDEO JOB DESCRIPTIONS CAREER PATHWAYS

ADD MANUFACTURING TO YOUR PLAYLIST

Seeing is believing. Watch these short videos showcasing some of today's most exciting careers in modern manufacturing for ideas and inspiration.



Business Excellence Awar...



Lorem Ipsum dolor sit amet

BARBCO INC. 2020



Ohio: Excellence in Manuf...



Lorem Ipsum dolor sit amet

OHIO: EXCELLENCE IN MANUFACTURING
OHIO DEVELOPMENT SERVICES



Manufacturing Virtual To...



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MCGREGOR METALWORKING SPRINGFIELD



Manufacturing Virtual To...



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LIBRA INDUSTRIES MENTOR



Manufacturing Virtual To...



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NOBLE TOOL DAYTON




Manufacturing Virtual To...




Lorem Ipsum dolor sit amet

DETAILED MACHINING SIDNEY




Rapid-Line Kinetiq Teachi...




Lorem Ipsum dolor sit amet

ROBOTICS AUTOMATION YASKAWA
MOTOMAN MIAMISBURG




Welcome to PPT.



Lorem Ipsum dolor sit amet

FLEXIBLE PACKAGING PLASTIC
PACKAGING TECHNOLOGIES
COLUMBUSHTTPS



Lorem Ipsum dolor sit amet

COMPLETE METAL PRODUCT
MANUFACTURING BANNER METALS
GROUP COLUMBUS

1 2 3 ... 5 next »

Get Involved

ARE YOU A MANUFACTURER INTERESTED IN GETTING INVOLVED IN MAKING OHIO?

LEARN MORE



FIND YOUR FIT

Match your skills and talents with today's most in-demand manufacturing jobs



MANUFACTURING VIDEO

JOB DESCRIPTIONS

CAREER PATHWAYS

**DO WHAT YOU LOVE.
LOVE WHAT YOU DO.**



Not only does manufacturing provide many foot-in-the-door opportunities, but there are countless areas from which you can choose. From aerospace and food production to textiles and pharmaceuticals, there's a manufacturing career that fits your passion.

NOT SURE WHERE TO BEGIN?

Click on the links below for job descriptions, educational requirements, and more.

AUTOMATION AND ROBOTICS

ROBOTICS ENGINEER

Research, design, develop, or test robotic applications.

ROBOTICS TECHNICIAN

Build, install, test, or maintain robotic equipment or related automated production systems.

INDUSTRIAL MAINTENANCE

MACHINING

WELDING

MORE OPPORTUNITIES

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AUTOMATION AND ROBOTICS

INDUSTRIAL MAINTENANCE

See where these jobs fit in industrial maintenance career pathways

ELECTRICAL ENGINEER

Research, design, develop, test, or supervise the manufacturing and installation of electrical equipment, components, or systems for commercial, industrial, military, or scientific use.

ELECTRICAL MAINTENANCE TECHNICIAN

Operate, test, maintain, or adjust unmanned, automated, or electromechanical equipment. May assist engineers in testing and designing robotics equipment.

INDUSTRIAL ENGINEER

Design, develop, test, and evaluate integrated systems for managing industrial production processes, including human work factors, quality control, inventory control, logistics and material flow, cost analysis, and production coordination.

MACHINE MECHANIC

Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. May also install, dismantle, or move machinery and heavy equipment according to plans.

MAINTENANCE TECHNICIAN

Keep machines, mechanical equipment, or the structure of a building in repair. Duties may involve pipe fitting; HVAC maintenance; insulating; welding; machining; carpentry; repairing electrical or mechanical equipment; installing, aligning, and balancing new equipment; and repairing buildings, floors, or stairs.

MACHINING

WELDING

MORE OPPORTUNITIES

Get Involved

ARE YOU A MANUFACTURER INTERESTED IN GETTING INVOLVED IN MAKING OHIO?

LEARN MORE

DISCOVER YOUR PATH TO SUCCESS

Whether you're just getting started or changing careers, there's a logical entry point for you into manufacturing.

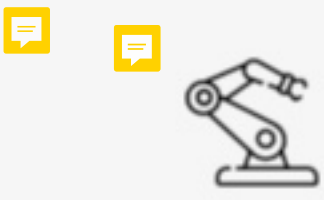

[MANUFACTURING VIDEO](#)
[JOB DESCRIPTIONS](#)
[CAREER PATHWAYS](#)

EXPLORE YOUR OPTIONS



With few barriers to entry, there are lots of opportunities for growth and advancement in manufacturing. And once you're inside, you can develop your technical expertise, hone your leadership skills, and take on new roles as your skills and interests change. Career pathways within each manufacturing company will differ, but the pathways tools below show how you might move from entry-level to more advanced careers by earning credentials, completing work-based learning, or enrolling in college courses.

WHICH PATH WILL YOU CHOOSE?



These pathways represent a few examples of the careers you might find in Ohio manufacturing. As a dynamic industry, manufacturing will continue to grow and evolve as new innovations emerge—creating new job types and functions. No matter what path you choose, getting started and getting paid is easier than ever.





INDUSTRIAL MAINTENANCE


MACHINING

WELDING

AUTOMATION & ROBOTICS



Get Involved

ARE YOU A MANUFACTURER INTERESTED IN GETTING INVOLVED IN MAKING OHIO?

[LEARN MORE](#)

Discover Your Path To Success



WHETHER YOU'RE JUST GETTING STARTED OR CHANGING CAREERS, THERE'S A LOGICAL ENTRY POINT FOR YOU INTO MANUFACTURING.



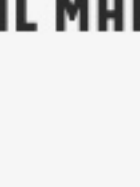
MANUFACTURING VIDEO JOB DESCRIPTIONS CAREER PATHWAYS

EXPLORE YOUR OPTIONS

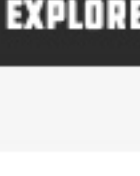
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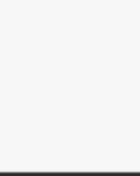
INDUSTRIAL MAINTENANCE



EXPLORE



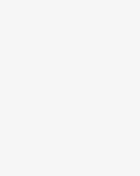
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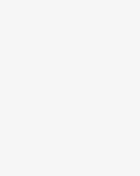
WELDING



EXPLORE



AUTOMATION & ROBOTICS



EXPLORE

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LEARN MORE



CAREERS

Manufacturing Video
Job Descriptions
Career Pathways

EDUCATION & TRAINING

EARN & LEARN

RESOURCES

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STOP WORKING A JOB

Today's modern opportunities are anything but dull. And once you're in, there are many opportunities for growth.



MANUFACTURING VIDEO

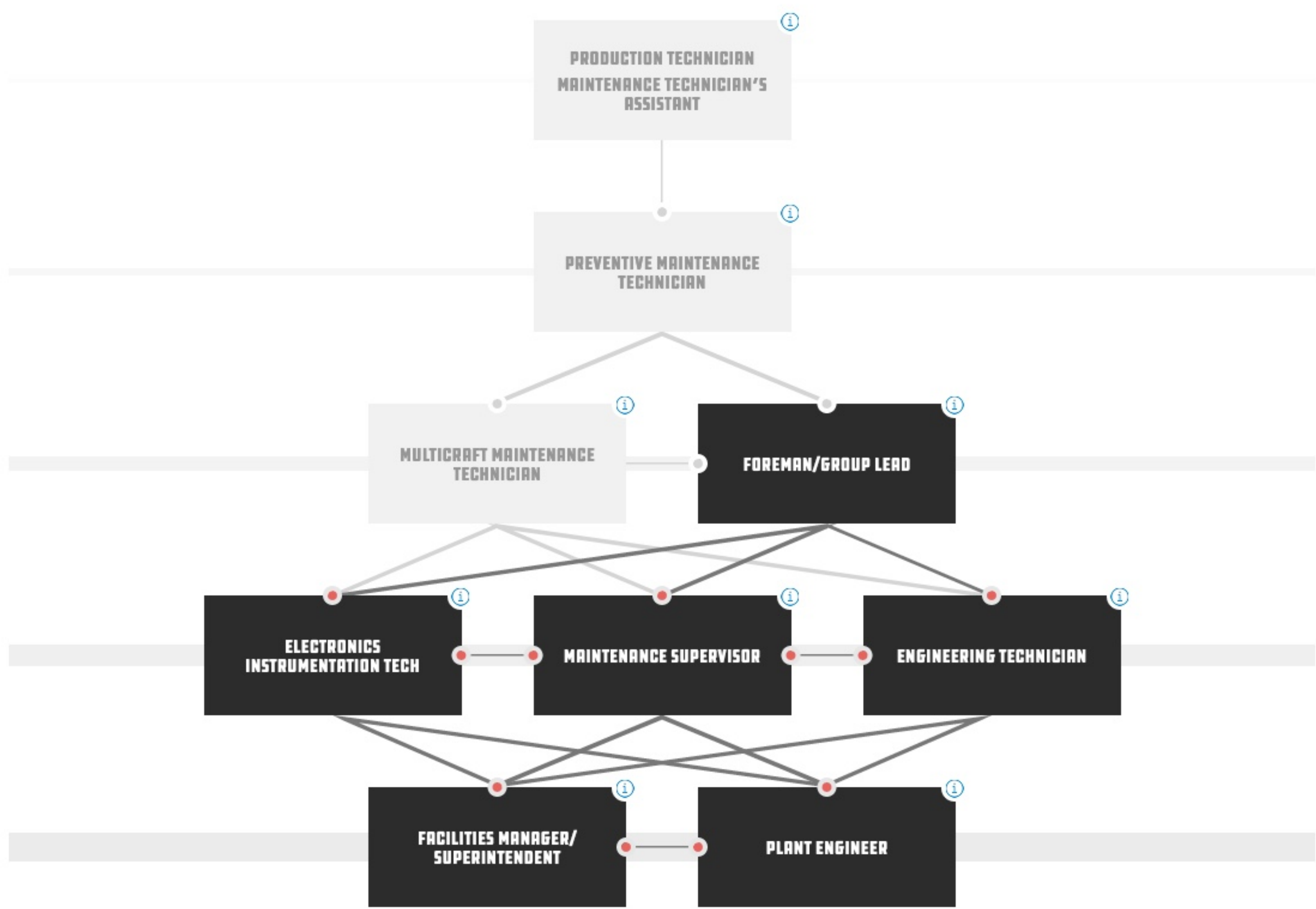
JOB DESCRIPTIONS

CAREER PATHWAYS



INDUSTRIAL MAINTENANCE PATHWAY

Play a key role by installing machines and equipment and routinely inspecting and maintaining equipment to ensure the facility runs smoothly. Duties may involve installing or repairing electrical and mechanical equipment, preventive maintenance of machines, tools, and equipment, and installing and aligning new equipment.



MULTI-CRAFT MAINTENANCE TECHNICIAN:

EDUCATION & TRAINING

Associates Degree or Apprenticeship

INDUSTRY RECOGNIZED CREDENTIALS

[NIMS Industrial Technology Maintenance](#)

MEDIAN WAGES

\$50,946

EDUCATION PROVIDERS

Ohio Technical Centers
community colleges
various vendors

COMPETENCIES/CREDENTIALS

- All from the above positions, plus:
- Adhere to mechanical power transmission / electrical power and control system safety rules
- Use dimensional measurement tools
- Install and align power transmission systems, gear drives, and bearings
- Properly use hand tools for equipment troubleshooting activities
- Interpret electrical control and power schematics
- Adjust limit switches and electronic systems
- Select, install, and test AC and DC electric motors
- Install and test electrical components and circuits
- Replace electrical control wiring using terminal or solder attachments
- Troubleshooting and root cause analysis
- General knowledge of PLC and Ladder Logic
- Advanced knowledge of electrical schematics
- Technical competencies as demonstrated by one or more of the following: **NIMS Basic Mechanical Systems, Electrical Systems, Basic Hydraulic Systems, Pneumatic Systems, Electronic Control Systems, Process Control Systems, Maintenance Welding, Maintenance Piping**

ALL LEVELS:

Foundational employability skills, basic math and computer skills, written and verbal communication skills; safety and environmental awareness

Note: each position must demonstrate the competencies and credentials of the previous position

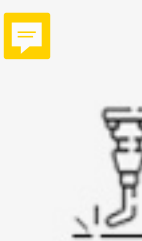


EXPLORE OTHER PATHWAYS



Set up and operate a variety of machine tools to produce precision parts and instruments.

EXPLORE



Use hand-welding or flame-cutting equipment to weld or join metal components.

EXPLORE



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EXPLORE

Get Involved

ARE YOU A MANUFACTURER INTERESTED IN GETTING INVOLVED IN MAKING OHIO?

LEARN MORE



MACHINING PATHWAY

Make precision parts using machine tools such as lathes, milling machines and grinders using computer-controlled (CNC) machines and manual equipment. Responsibilities include fabricating, modifying or repairing mechanical instruments, applying knowledge of mechanics, mathematics, metal properties, layout, and machining procedures.



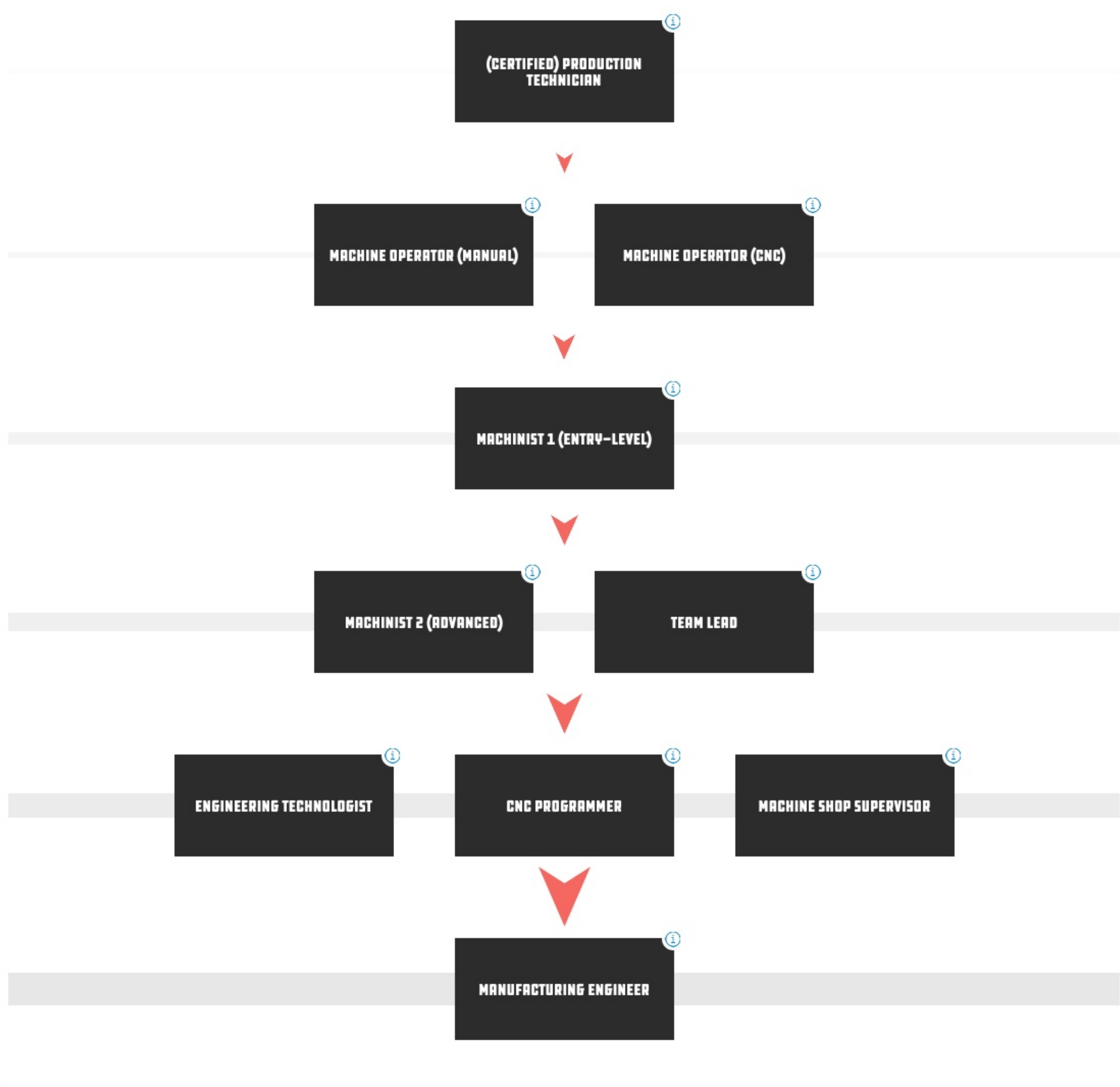
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LEARN MORE

WELDING PATHWAY

Fabricate and assemble metal structures and equipment through the use of welders, cutters, shapers and measuring tools.



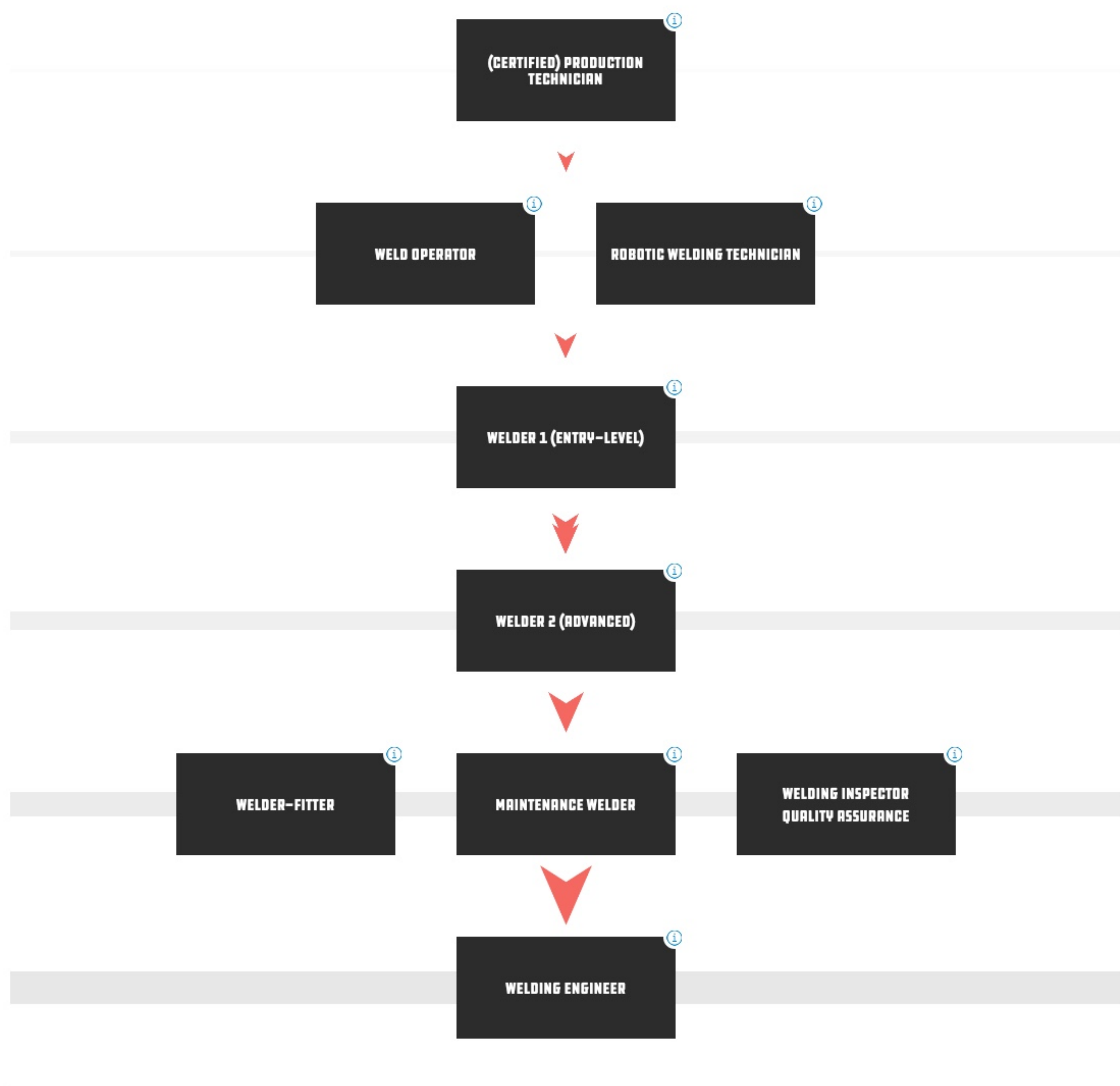
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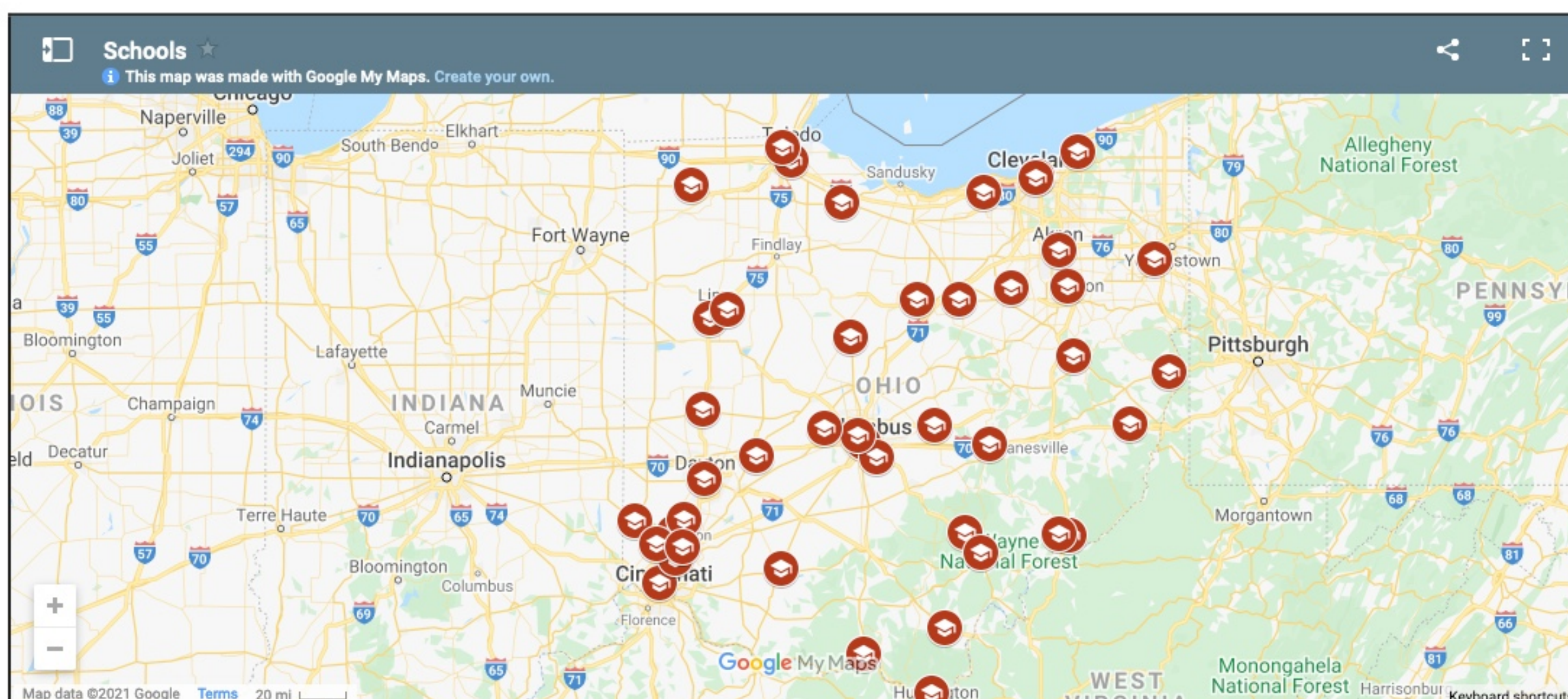
BUILD A FUTURE *Not Debt*

Get an education without having to
take a lifetime of loans.

REACH FOR THE STARS

With industry training, degrees, and apprenticeships available for less, modern manufacturing offers flexibility and hands-on training you can't get at most four-year schools. Ohio is home to a wide variety of public schools and training facilities where you can take your skills and employability to the next level.

Use the map below to find schools with training programs for the next-gen of Ohio manufacturers.



OHIO TECHNET



Developing innovative manufacturing training programs in Ohio for recent graduates, incumbent workers, transitioning adults, and the unemployed.

VISIT THE SITE

OHIO DEPARTMENT OF HIGHER EDUCATION

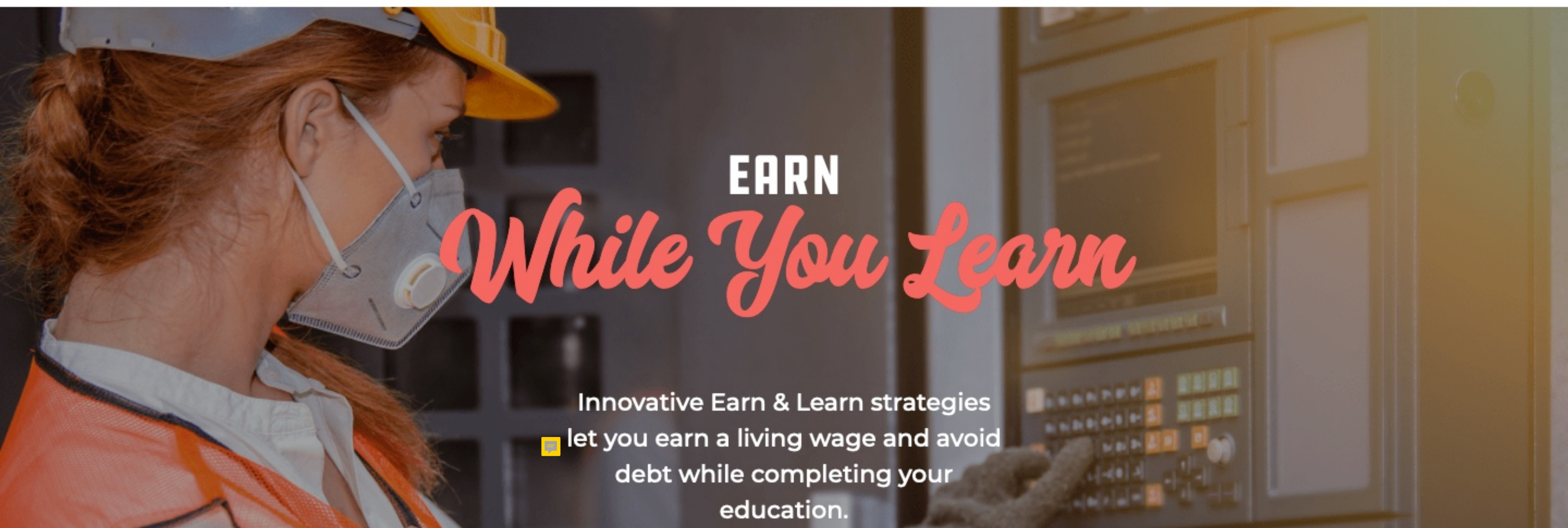
The state agency responsible for higher education is committed to increasing manufacturing education, training, and resources in Ohio.

VISIT THE SITE

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LEARN MORE



EARN & LEARN

Earn-and-learn programs, like apprenticeships, internships, and co-ops, let you earn a living wage while completing training. Skip the student loans while getting the skills you need.

Other benefits include:

ACCELERATE LEARNING.

By combining instruction with on-the-job training, earn-and-learn increases relevancy and ensures you are mastering the essential skills as quickly as possible.

MASTER IN-DEMAND SKILLS.

Manufacturers have helped design the training programs to meet their specific needs, so you will learn relevant skills.

EARN A NATIONALLY RECOGNIZED CREDENTIAL.

At the end of the training, you'll demonstrate your skills to earn a credential that can help you advance with your current employer and will be accepted by manufacturers across the country.

START YOUR CAREER PATH.

Earn-and-learn opens the way to continuing education and training opportunities as you advance in your career. The coursework you complete can sometimes even lead to a college degree.

START BUILDING YOUR FUTURE TODAY

If you're interested in participating in an Earn & Learn program, complete the form below for more information.

All items are required.

FIRST NAME *

Enter First Name



LAST NAME *

Enter Last Name

DATE OF BIRTH *

mm / dd / yyyy

EMAIL ADDRESS *

Enter Email Address

PHONE NUMBER *

Enter Phone Number

OHIO COUNTY OF RESIDENCE *

List2



SUBMIT

Get Involved

ARE YOU A MANUFACTURER INTERESTED IN GETTING INVOLVED IN MAKING OHIO?

LEARN MORE



GET YOUR HANDS ON THE TOOLS YOU NEED TO *Build Your Future*

Find resources for job training,
educational programs, and more.

OHIO TO WORK

Find your way to a good career in manufacturing through Ohio To Work partner organizations that help unemployed and underemployed workers find jobs fast with a mix of job training, tools and resources. See what's available in your area.

LEARN MORE

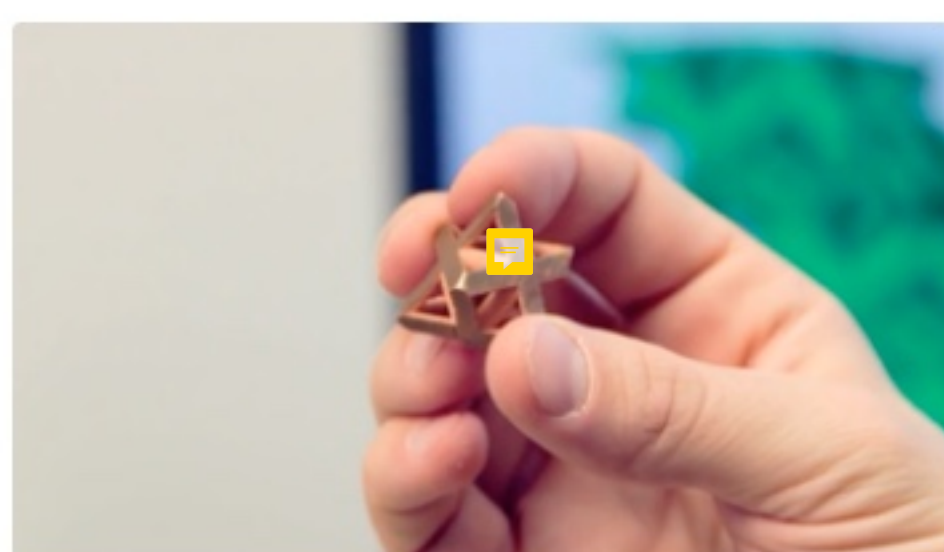
OHIO MEANS JOBS

Search for jobs, learn career skills, and much more. Sign up today!

LEARN MORE

EDUCATOR RESOURCES

Your work helps launch the next generation of manufacturers. Find a variety of classroom activities that can help introduce students to meaningful career opportunities.



ADDITIVE MANUFACTURING: 3-D PRINTING BEYOND PLASTIC

Teach about 3-D printing – known among engineers as additive manufacturing – with copper, a widely used conductor in electronics.

National Science Foundation



CAREER PATHWAYS

A look at education and training, wage, and outlook information for related occupations, including manufacturing.

Ohio Department of Education



CAREER PATHWAYS - MANUFACTURING

Discover how manufacturing careers can unfold in key areas such as welding, machining, and industrial maintenance.

The Ohio Manufacturers' Association



JUNIOR ACHIEVEMENT

Find tips for engaging students during manufacturing month.

Dayton Regional Manufacturers Association (DRMA)



MACHINING

Evaluation Instructions

Evaluation Instructions



MAKING THEIR FUTURES: OHIO'S MANUFACTURING INDUSTRIES

A practical guide for educators

National Alliance for Partnerships in Equity/Ohio Department of Education



MANUFACTURING QUIZ

Interactive game that allows students in grades 6 to 12 to learn more about manufacturing careers.

Columbus State Community College



MANUFACTURING TEACHER RESOURCES

Find a wide range of manufacturing lesson plans and worksheets

Lesson Planet



MANUFACTURING TECHNICIAN GAME

Math game for kids and students in grades 5-8 to learn what happens on the manufacturing line

Honda



MANUFACTURING TECHNOLOGIES CAREER PATHWAY

Learn about career options and the required coursework

Ohio Department of Education



MFG DAY TEACHER TOOLKIT

Find MFG Day events, access virtual tours and more

National Association of Manufacturers/Manufacturing Institute



TRY ENGINEERING

Curated creative resources including lesson plans, activities and featured engineers

IEEE



WHAT'S SO COOL ABOUT MANUFACTURING LESSON PLANS

A series of videos teachers can use in lesson plans

PBS Learning Media



WHAT'S UP IN FACTORIES

Teach about how things are made by studying the concepts of manufacturing

PBS Learning Media

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