

# Manufacturing Means **MORE**

**OPPORTUNITY.**

**GROWTH.**

**PROSPERITY.**





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## BUILDING A SOLID FOUNDATION: INVESTING IN THE FUTURE

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The Dayton Region Manufacturers Association (DRMA) Foundation is dedicated to building and sustaining a qualified workforce for the region's advanced manufacturing industry – an industry with significant economic impact throughout southwest Ohio. **We recognize that opportunities for growth in manufacturing create opportunities for a prospering community.**

We are dedicated to responding to the challenges the industry faces. New and advanced technologies of today's innovative manufacturing demand a workforce of individuals who are trained, skilled and committed. The "nuts and bolts" of our industry's past have been replaced by a level of high-tech sophistication. Fulfilling the workforce requirements of this new age requires an advocate and expert to pave a path for individuals to funnel into this workforce. Dayton Region Manufacturers Association serves as that advocate and expert.

Guided by a volunteer board of directors made up of industry representatives who understand these challenges, the DRMA Foundation maintains its own 501c3 status apart from the Association. We are meeting the needs of the manufacturing industry by supporting the DRMA's daily activities and efforts which translate to individual opportunity, manufacturing growth and community prosperity.





## About the Dayton Region Manufacturers Association (DRMA)

The DRMA has served as the primary advocate for our region's manufacturing industry since 1934.

We serve our region by offering opportunities for our members and partners which include peer-to-peer connectivity, career awareness, education and economic development.

As your region's expert of the manufacturing industry, we serve as the connector of all relevant and effective best practices. These connections have the ability to create a direct path for individuals to become viably employed in our growing industry and a key contributor to a prospering community.





# Manufacturing Means

## MANUFACTURING PAYS INDIVIDUALS

Nearly

**\$60K**

Annual average salary for entry-level manufacturing engineers

More than

**\$77K**

Annual average salary of manufacturing workers in the U.S.

# MORE Opportunity

## What are companies manufacturing today?

Computer technology, heavy equipment, medical devices, medicines, food and beverages, planes, trains, automobiles and more.

MANUFACTURING  
SUPPORTS MORE THAN  
**18.5** MILLION  
U.S. JOBS

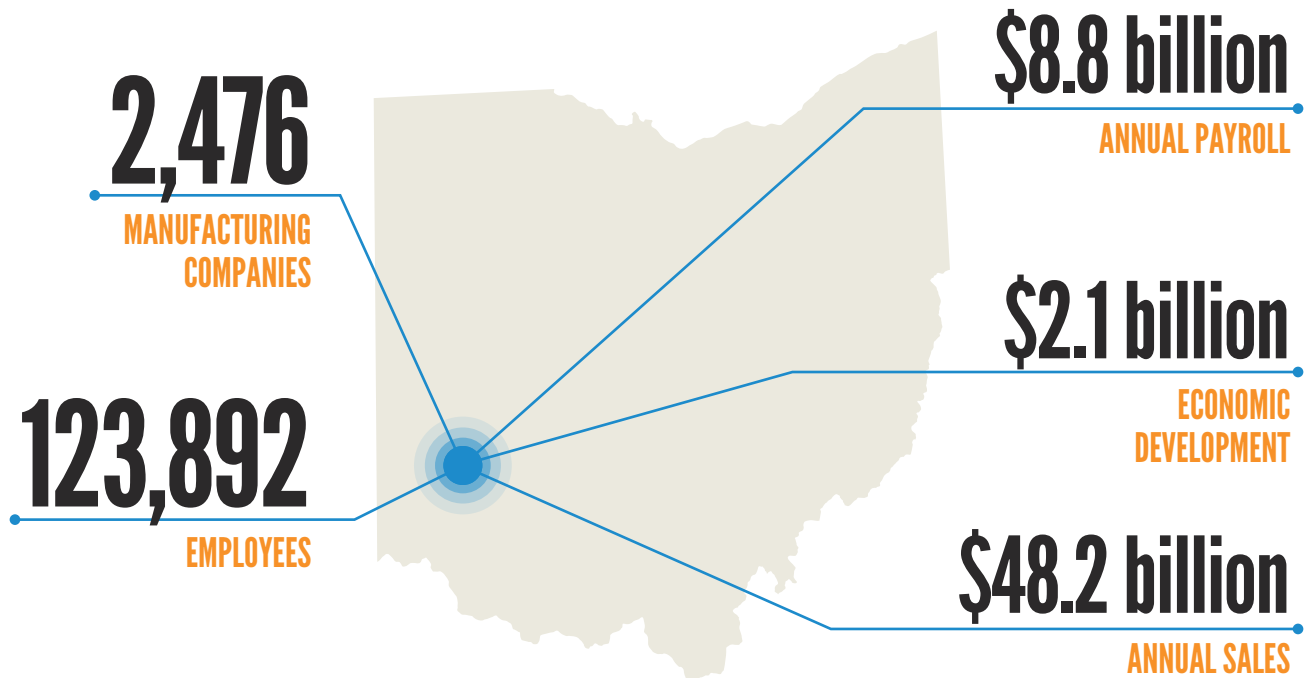
**\$1.00 = \$1.40**  
\$1.00 SPENT IN MANUFACTURING CREATES  
\$1.40 FOR THE U.S. ECONOMY

MANUFACTURING  
COMPRISES NEARLY  
**12%** OF OUR  
GDP

U.S. MANUFACTURING IS THE  
**9TH** LARGEST ECONOMY  
IN THE WORLD

Source: National Institute of Standards and Technology, August 2016

# Manufacturing Means



*Source: All numbers are based on 2015 statistics. Research conducted by Wright State University's Applied Policy Research Institute.*

# MORE Growth

## FUTURE GROWTH

The four areas of manufacturing concentration expected to add significant numbers of jobs in the next ten years include: aerospace; computer/electronics; chemical, plastic and rubber; and metalworking and machining. To ensure the Dayton area is ready to prosper from advanced manufacturing strategic growth initiatives, the region's academic, public, and private sectors are collaborating to align workforce education and training programs.

# Facing the CHALLENGE

A top concern facing DRMA members and the manufacturing industry is the lack of a qualified workforce. DRMA faces this challenge head on by driving and supporting numerous initiatives to promote careers in manufacturing. Efforts to date have successfully increased awareness and identified qualified candidates for DRMA members. Current programs include:

**Manufacturing Day** – DRMA is the local organizer for MFG Day, a nationwide event where students tour manufacturing facilities teaching them about careers in the industry. The Dayton region is one of the most successful MFG Day sites in the nation.

## 2017 STATS:

**3,600** students participated  
**60** schools represented  
**10** home school groups  
**64** manufacturing companies hosted events



*All 4th grade students in the Dayton Public School system experienced a hands-on manufacturing activity*

*Special visits by Patrick Ross, Chief Communications Officer, at the U.S. Office of Patents and Trademarks made special visits to several of the events*



**Power Lunches** – The DRMA holds power lunches for middle and high school students. DRMA volunteers set up eye-catching exhibits showcasing various careers in manufacturing - highlighting wage and salary information, and training and education paths. The DRMA partners with FASTLANE, the Montgomery County Education Service Center, and the Aerospace Professional Development Center on this initiative.



Conducted **20** Power Lunch exhibits

GEMCITY CEO, Rick Wiegand kept a group of Carlisle school students engaged as they toured the plant during MFG Day. The bomb-disposal robots used extensively by the U.S. military were a highlight for many students. "The robots were definitely a good creation," said Jake Glover, a Carlisle High School senior.

**Manufacturing Fundamentals Training/CPT** – DRMA is working with a number of schools and organizations to launch training programs covering manufacturing fundamentals to prepare students and adults for entry-level manufacturing jobs. Successful students earn the Manufacturing Skills Standards Council's (MSSC) Certified Production Technician (CPT) certification.

*Teamed up and launched a successful pilot manufacturing fundamentals training program designed to fast-track adults in the workforce pipeline.*

# in **COLLABORATION**



**Summer Camps** – The DRMA and the City of Dayton Parks and Recreation Department conduct a week-long activity program to teach 6 to 12 year-old children about manufacturing. DRMA volunteers develop and deliver the curriculum at two recreation centers during the summer.

*Extended our outreach to younger children by delivering a manufacturing summer camp with the City of Dayton for the third year.*

**Dream It. Do It.** – The DRMA holds the Dayton region license for Dream It. Do It., a national network of like-minded organizations focused on attracting talent to the manufacturing workforce.

*Participated in the national “Dream It. Do It.” manufacturing career awareness program to share resources and ideas from organizations across the country.*



### **Training/Education Program Advisory Committees –**

DRMA staff and volunteer members serve on advisory committees at high schools and colleges across the region to convey the needs of manufacturers and to ensure their curriculum produces graduates with the skills needed by manufacturers.

*DRMA staff and DRMA members from various companies are currently involved in advisory committees at 4 high schools and 3 colleges.*



**Workforce Collaboration** – The DRMA collaborates with numerous schools and organizations to advocate for members' workforce needs.

*Collaborated with Learn to Earn to establish education and career pathways for manufacturing.*







# Our PARTNERS

Our robust partnerships allow us to foster collaborative relationships with local non-profit organizations, educational institutions, and other organizations relevant to the growth of the manufacturing industry. These collaborations are specifically address the need to fill the funnel of our manufacturing workforce. Examples include:

- ✓ **Participated** in the Ohio Manufacturing Careers Council to develop state-wide messaging regarding manufacturing careers.
- ✓ **Initiated** a job shadowing and internship program with DRMA members to expose students to exciting careers in manufacturing.
- ✓ **Communicated** to members various government workforce funding, training, and hiring opportunities.

## Our Partners Include:

Learn to Earn  
Dayton Regional STEM Collaborative  
Montgomery County Workforce Investment Board  
Goodwill/Easter Seals Miami Valley and Miami Valley Works  
Big Brothers/Big Sisters  
Ohio Board of Regents  
Fabricators & Manufacturers Association  
The Manufacturing Institute  
Ohio Robotics/Xtreme Bots  
Boonshoft Museum of Discovery  
Aerospace Professional Development Center  
Wright-Patterson Air Force Base  
Associated Builders and Contractors  
UpDayton

Graduation Alliance  
Sinclair Community College  
Clark State Community College  
Wright State University  
Montgomery County Education Services Center  
Warren County Education Services Center  
Miami Valley Career Technology Center  
Springfield-Clark Career Technology Center  
Greene County Career Center  
Upper Valley Career Center  
Dayton Region STEM School  
Stebbins High School  
*and many others, both locally and nationally*

# Manufacturing Means

Our initiatives create awareness of opportunities and enhance the lives of individuals who choose careers in manufacturing. Because these opportunities are projected to grow over the next ten years, expanding our efforts will positively impact the Dayton region's economy by creating a more robust workforce and a more vibrant and prosperous community.

# MORE Prosperity

**We invite you to partner with us. Our *\$300,000 Manufacturing Means More* initiative will allow us to:**

## **Create greater opportunity**

- to join our industry by growing our programming impact which will create greater awareness.
- by enhancing our partnerships with educational institutions so they can develop a curriculum which is directly relevant to immediate and ever-evolving industry needs.

## **Spawn a growth in a skilled workforce**

- by streamlining the pipeline between our educational partners and our manufacturing membership.

## **Contribute to the prosperity of our community**

- by fueling our economy with a vibrant workforce filled with individuals who choose a career in manufacturing.

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PLEASE JOIN US FOR **MORE...**

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## DRMA BOARD OF TRUSTEES

*Jim Zahora, Chairman, Noble Tool Corp.*

*Jim Bowman, Past Chairman, Rack Global Enterprises*

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*John Bertsch, Trustee, Detailed Machining Inc.*

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