

2021

Annual Report

The Alliance for Working Together Foundation



WORKING TOGETHER TO PROMOTE REWARDING CAREERS IN MANUFACTURING





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WHO WE ARE

The Alliance for Working Together was started in 2002 as a small, informal group of manufacturers, who met to discuss topics of interest and as a way to reach out to other manufacturers in the region. Finding skilled workers was quickly identified as one of the top challenges for our manufacturers. Promoting rewarding careers in manufacturing became the core mission of the organization. In 2012, the AWT Foundation became a 501-(c)3 non-profit.

OUR SUCCESS

With the help of our strategic partners, the AWT Foundation has placed more than 1,000+ students into manufacturing careers. We have exposed over 300 5th and 6th grade students to careers in local communities. We have facilitated over 1,200 student, teacher, and parent tours of manufacturing facilities. We have been instrumental in access to transportation for manufacturing employees. By 2023, we will have trained 288 apprentices in the Northeast Ohio region

A SPECIAL THANK YOU TO OUR PLATINUM SPONSORS









CPAs and Consultants

BOARD OF DIRECTORS



Alyson Scott President

Fredon Corporation



Sara Spence Vice President Spence Technologies



Colin Cutts Secretary G&T Manufacturing



Roger Sustar Treasurer Fredon Corporation



Amy Harker Director ESC Northeast Ohio

Jen Rhone

Director Avery Dennison



Ryan Ellis Director Lincoln Electric



Kristin Jenkins Director Universal Metal Products



Roxanne Putnam

Director Swagelok



Rossmald Heredia Director

STERIS Corporation



John Ribic Director **Rimeco Products**



Joel DiMare

Director The Office of the Lake Co.



Comissioners



Chad Sanders Director Habco Tool & Dev Corp

Dr. Joe Glavan Director Lake Shore Compact & Mentor Public Schools



Rich Wilson Director Matrix Tool



Mike Mulroy

Director Eaton Corporation



Al Adams Director Ohio Ordnance Works





Teresa Simons Executive Director



Rachel Metcalf Education Director



Steven Dohm Technology & Operations Assistant



Matt Kulbis Instructor & Curriculum Developer & Instructor for Lake Shore Compact



Colin Cutts Instructor & VP of G&T Manufacturing



Maria Triozzi Bookkeeper



Committees and Committee Chairs

Executive Board Alyson Scott Fredon <u>Marketing</u> Chris Trombley Deepwood Industries

Membership Teresa Simons AWT Foundation Education Rachel Metcalf AWT Foundation

Programs & Outreach

Lake & Geauga SMI

Roxanna Putnam, Swagelok Margo Reda, OhioMeansJobs Geauga Co. <u>Opportunity Lake County:</u> <u>Communicating & Connecting</u> Teresa Simons AWT

RoboBots

Alyson Scott Fredon

Think Manufacturing Expo

Karen Tercek, WWLCC Chris Weber, Mentor Chamber Kelly Donahue, ELC STEAM-to-Career

Roxanne Putnam, Swagelok Tony Marinelli, PSE/W.E.Schools <u>JuniorBots</u> Rich Wilson, Matrix Tool

>>> OUR FOCUS & STRATEGY



Advance the Image of Manufacturing Careers

Promoting manufacturing careers is our mission and priority. Marketing and Education Committees are responsible for this priority.

Develop A Sustainable Organizational Framework

AWT began as an informal consortium in 2002. As our mission became clearer, we've grown and adapted to the needs of our members. As the skills gap becomes wider and more of us retire, our organization is poised for growth. The skills gap is a big issue and gaining more attention throughout Northeast Ohio and the United States. AWT will be able to scale up and is dedicated to continous improvement.

Form Strategic partnerships to Develop A Prepared Workforce

We're not the only group working to promote manufacturing. Coming up with strategic partnerships and discovering what those like us need - with other membership organizations, schools, workforce organizations - is our cause here. We're pleased to be able to collaborate and we would like to develop structure and expectations to make sure that it works for everyone. Working together makes us stronger.

ENGAGE & GROW MEMBERSHIPS TO SUPPORT THE MISSION

As a membership organization, we need to be able to explain your return-on-investment, and we need to also sustain our organization financially. But we also need volunteers like manufacturing ambassadors, 'Bots coaches and judges, and event help. Finding ways to get our members involved, finding new companies and people that want to help, and matching them with opportunities is essential to our growth. Membership & Finance Committees are responsible.

CREATE, EVALUATE, & PROMOTE PROGRAMS THAT ADVANCE THE MISSION

We are optimists. We get excited about big ideas. We must make sure that AWT is evaluating existing and proposed programs to be sure that they are working as well as they should be, and whether we are the right organization to take on proposed projects. Program Committee is responsible for evaluation tools & annual process. Page 6

Financial 2021 Revenue

Program	FY'21
RoboBots and JuniorBots	\$144,624
Golf Outing	\$71,875
Events	\$22,175
Think Manufacturing Expo	\$8,676
Apprenticeship	\$331,852
Lake and Geauga SMI	\$28,792
Ashtabula SMI	\$35,272
STEAM Outreach	\$27,048
Scholarship	\$4,981
Membership	\$93,045
Training Center	\$2,352,082

AWT Receives Stock Donations

A special thank you to Randy Carver and his team at Carver Financial Services. AWT is now able to receive stock donations through our brokerage account. Donating stock is a great way to support the initiatives you care about while saving on your taxes. Through the direct transfer of stock from your broker to ours you avoid capital gains taxes and you are able to take an income tax deduction. For additional information or to initiate a gift today contact Teresa Simons, AWT Executive Director teresa_simons@thinkmfg.com.

>> FUNDING SOURCES

SCALING APPRENTICESHIP GRANT

The U.S. Department of Labor has decided to revitalize apprenticeship programs in America. Through the Department of Labor Scaling Apprenticeship Grant, the State of Ohio has been tasked with training 5,000 manufacturing apprentices from 2020 to 2024. With The Ohio Manufacturers' Association acting as the Project Manager and Lorain Community College serving as the Fiscal Agent for this grant, The AWT Foundation has been chosen as the Sector Partner for manufacturing apprenticeship training for Lake, Ashtabula, and Geauga counties. Within the grant timeframe, the AWT Foundation in partnership with Manufacturing Works has committed to training 288 manufacturing apprentices to upskill our Northeast Ohio workforce.

INDUSTRY SECTOR PARTNERSHIP

The Industry Sector Partnership Grant provided AWT with \$250,000 to support a collaborative effort between local businesses, education and training providers, and community stakeholders that are invested in improving their region's workforce.

STEM-to-CAREER GRANT

AWT received a grant of \$320,000 to support STEM initiatives in Ashtabula, Cuyahoga, Geauga, Lake, Portage, and Trumbull counties to provide students with early access to programming, engineering design, and problem-solving skills, the goal of which is to build a strong regional pipeline of future manufacturing workers who can fill high-paying, sustainable positions in the automated manufacturing industry.

2020 STATE CAPITAL FUNDS

The AWT Foundation received \$500,000 in State Capital Funds that went towards the construction of the AWT Transformation Training Center.

OHIO DEFENSE MANUFACTURING COMMUNITY (ODMC)

AWT submitted a proposal for \$90,000 to offer Industry 4.0 manufacturing technical assistance and workforce training for small and mid-sized defense manufacturers.

INTERNATIONAL PAPER

AWT Foundation has been awarded a \$3,500 grant from International Paper's Madison Mill and the International Paper Foundation. Funds will support AWT's combat robotics competition, RoboBots.

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>>> APPRENTICESHIPS



Students will have handson instruction one day a week to complete machining projects and work on various machining processes.

ONLINE INSTRUCTION

Our program is geared toward equipping apprentices with the necessary technical skills that meet the requirements of businesses in the trade.

ON-JOB TRAINING

Through the earn-and-learn model, employees will spend normal workdays learning their craft at the workplace, completing jobs related to the apprenticeship occupation.

TERMS OF APPRENTICESHIP

- 4-year training program
- 8,000 hours on-the-job training
- 576 hours related instruction online
- \$2,000 per employee per year reimbursable through Tech-cred
- Wage increases to the apprentice
- Employees will receive their Journeyman Certificate upon completion

EMPLOYER BENEFITS

- Employees will learn customized skills
- Build a pipeline of skilled workers
- Boost retention/reduce employee turnover
- Make a positive return on investment

For more information on the AWT apprenticeship go to: thinkmfg.com/apprenticeships

>>> AWT TRANSFORMATION TRAINING CENTER

The AWT Northeast Ohio Transformation Training Center will be a world-class, industry 4.0/SMART Manufacturing training center and a hub for education and industry sector collaboration. The AWT Northeast Ohio Workforce Transformation Facility will fill a gap in the training available for in-demand manufacturing careers with training options during the day and in the evening. Northeast Ohio manufacturing businesses need skilled workers now and are willing to train the workers they need—the AWT/Northeast Ohio Workforce Transformation facility will allow businesses to take the lead in training the manufacturing employees of tomorrow.



ROBOBOTS & JUNIORBOTS



The Alliance for Working Together Foundation (AWT) works to promote rewarding manufacturing careers for the long term economic success of Northeast Ohio. Our largest program, RoboBots, enables students to gain experience and an understanding of manufacturing while having fun.

Our 2021 competition was a little different than previous years due to covid-19 restrictions. The competition took place at Fredon Corporation and only the team members, coaches, and sponsors could participate and spectate. We hosted two separate competitions for RoboBots and JuniorBots to limit the amount of people in one area at the same time.

The 2022 RoboBots competition will go back to taking place at Lakeland Community College; and RoboBots and JuniorBots will again be a combined event. Team members will get a certain amount of tickets for guests, allowing spectators but having the event closed to the general public. We look forward to increasing the scale of the competition in years to come in order to give the team members a greater audience to appreciate their year's worth of hard work.

2021 ROBOBOTS Results

AWARD	SCHOOL	TEAM	BOT NAME	SPONSOR
1 st Place	A-Tech	A-tech Machinist	Clash	
2 nd Place	Beaumont	Beaumontsters	Maverick	Christopher Tool
3 rd Place	Riverside	RoboSide	Pfizer & Moderna	G&T Manufacturing
Best Interview	Cuyahoga Valley Christian Academy	CVCA Royal Technic Robotics	Ginger- Snapped	Akron Makerspace
Best Documentation	Beaumont	Beaumontsters	Maverick	Christopher Tool
Best Engineered	A-Tech	A-tech Machinist	Clash	

Stay up to date on RoboBots at: awtrobobots.com





SUMMER MANUFACTURING INSTITUTE

The Summer Manufacturing Institute camp connects Science, Technology, Engineering, and Mathematics (STEM) concepts to local careers. Campers complete hands-on STEM projects and go on tours to local manufacturers. In 2021, AWT hosted 3-weeks of camp in Lake and Geauga County at Auburn Career Center and 3-weeks of camp in Ashtabula County at A-tech. The program targets 5th and 6th graders to get students interested in STEM and Manufacturing at a young age.

For more information go to: thinkmfg.com/smi



Lake & Geauga County

- Girls on the Go (Girls only): Transportation Manufacturing 6/7/2021-6/11/2021
- RoboTech Week (Co-ed): 6/14/2021-6/18/2021
- Mad Scientist (Co-ed): Chemical Manufacturing 6/21/2021-06/25/2021

Ashtabula County

- Mad Scientist Week (Girls only): Chemical Manufacturing 7/12/2021-7/16/2021
- RoboTech Week (Co-ed): 7/19/2021-7/23/2021
- Food & Ag. Production Week (Co-ed) : 7/26/2021-7/30/2021





For the eighth year, the Lake County Chambers and the AWT Foundation partnered to host the Annual Lake County "Think Manufacturing" Summit on October 7th, 2021 from 8 am- 1:00 pm at Mentor High School.

Recognizing the great need of our county manufacturers to find new qualified employees and recognizing the economic impact of the manufacturing industry in Lake County, we created this event to better serve our manufacturers and students in Lake County. The Think Manufacturing Student Expo will give teachers, guidance counselors, principals, students, and parents the opportunity to learn more about the various high-tech careers, other rewarding career opportunities, the very competitive pay and other benefits manufacturing offers. We look forward to providing the annual comprehensive "Think Manufacturing" Student Expo again on October 6, 2022.

For more information go to: thinkmfgexpo.com



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OUR MANUFACTURING MEMBERS

Absolute Machine Tools Accurate Metal Machining ACO. Inc Advanced Controls Inc Akron Steel Treating All Metal Sales Alloy Precision Technology Anchor Manufacturing Group Earle M Jorgenson Co Apex Paper Box Co. Apollo Manufacturing Arc Drilling Arch Cutting Tools Astro Manufacturing AT&F Automation Tool & Die Avery Dennison Bamboo Software, LLC Bendix Corporation Beverage Machine & Fabricating Bickford Flavors Big Kaiser Precision Tooling GearTec Inc. Blatt welding Bodycote Bowden Manufacturing **BOXit Corporation** Brennan Industries **Burton Industries Buyers Products Company** C&P Grinding Cast Nylons Christopher Tool & MFG Clark Oil Competitive Carbide Component Repair Technologies Conn-Selmer, Inc. Concentric Corporation Cone Drive CRES COR Criterion Tool CW Grinding

De Nora Tech LLC DeMilta Iron & Metal Die Co., Inc. Diversified Fittings Eaton Corporation E Manufacturing Co. Inc. Enterprise Welding & Fabricating Lubrizol Corporation Engineered Tooling Solutions IIC Etna Products Inc. Ettkin Scrap Iron and Metal Co Euclid Heat Treating Exact Tool & Die Inc. Fargo Machine Company Federal Gear Federal Hose Fischer Special Tooling Firstar Precision Group Fredon Corporation G&T Manufacturing Gent Machine Grand Rock Company Godfrey & Wing LLC Gosiger Machine Tools Gotta Groove Records Inc Habco Tool and Dev. Corp Heatmax Heaters Hose Master Highland Products HI TecMetal Group International Paper Industrial Mold & Machine Iron Mountain Processing Jergens Jergens Industrial Supply JM Performance Products Inc. Jorgenson Steel Kerr Lakeside Inc The Kennedy Group Kinetico

K-J Fasteners Kowalski Heat Treating Co. Kvocera SGS Precision Tools Lakeview Industries, Inc Libra Industries Lincoln Electric MakerGear LLC Malish Corporation Mar-Bal Matrix Tool & Machine Inc Mavfran International MC Group MCM Inc. Co., Inc. Micro Laboratories Molded Fiber Glass MSC Industrial Supply Co. MTD Products Inc MUM Industries North American Coating Labs Torque Transmission Numerequip Ohio Broach & Machine Ohio Ordnance Works Inc OMCO Roll Forming Plus OmegaOne ORBIS Ordnance Technology Service Volk Optical Pace Engineering Parker Hannifin Corporation Parker Precision Path Technologies Inc Paulich Specialty Co Inc PCC Airfoils Mentor PCC Mold Masters Intl. Performance 1 Polychem Precision AG Automation Premalux LLC Process Technology Profile Grinding, Inc Progage

QP Manufacturing

Quick Turn Machining LLC RB Sigma LLC Reynolds Machinery Rimeco Products Inc. Roll-Kraft SC Industries Inc Shaker Numeric Inc. Short Run Machine South Shore Controls Spee-D Metals Spence Technologies Inc STERIS Corporation Stripmatic Products Sunset Industries Inc. Swagelok Talan Products Tech Tool Akron Inc. Tendon Manufacturing Thermotion LLC Truline Industries Inc. TT Electronics Turner Construction Co. Tyke Machine LLC Universal Metal Products Vita-Mix Corporation William Sopko & Sons Co Yarde Metals Zagar Inc Zinkan Zeolites LLC



OUR EDUCATIONAL MEMBERS

Akron Garfield High School All Saints of John Vianney Andrews Osborne Academy Ashtabula After School Discovery (ASD) Heights High School Ashtabula County Young Marines Assumption Academy A-tech Auburn Career Center Beaumont School Bay Institute of Science & Engineering Benedictine Berkshire Schools **Bio-Med Science Academy** Cardinal Schools Chagrin Valley Career Academy Chardon Public Schools **Cleveland Central Catholic Cleveland Heights Schools** Cleveland Industrial Training Center Conneaut Public Schools **Cornerstone Christian Academy** Crawford County Career Center Crestwood High School Cuyahoga Falls High School Cuyahoga Valley Career Center Cuyahoga Valley Christian Academy Davis Aerospace and Maritime High School East CLC Eastlake Middle School Edufactor Educational Service Center of Northeast Ohio Elyria Catholic Euclid High School Fairport Schools Garfield Heights Schools Gilmour Academy Grand Valley Schools

Grand River Academy Harvey High School Hawken School Heritage Middle School Hershey Montessori School iSTEM Geauga Early College High School Kenston High School Kenston Middle School Kent Roosevelt High School Kirtland Local School District Lake Catholic Lake Erie College Lakeland Community College Lake Shore Compact LaMuth Middle School - Riverside Madison High School Madison Middle School Madison Public Library Maplewood Career Center Mater Dei Academy Max S. Hayes Schools Mayfield High School Memorial Middle School - Mentor Public Schools Mentor High School Mentor Public Library Montressori High School at University Circle Nextwork North Coast Tutoring Services Northern Career Institute Notre Dame-Cathedral Latin Painesville City Schools Partners in Science Excellence (PSE) Perry High School Perry Middle School Polaris Career Center Rittman High School **Riverside Schools** Shaker Heights School St. Albert

St. Anselm St Edward St. Gabriel St Helen St. Mark St. Martin De Porres High School St Mary of the Assumption St. Mary Chardon Tallmadge High School Upper Arlington City Schools Vanguard-Sentinel Career & Tech. Centers VASJ Wadsworth Schools Wellington Exempted Village Schools West Geuga High School West Geauga Middle School Western Reserve Educational Service Center Wickliffe High School Wickliffe Middle School Willoughby-Eastlake North High School Willoughby Eastlake Public Library Willoughby-Eastlake South High School Willoughby-Eastlake School of Innovation Willowick Middle School

OUR COMMUNITY MEMBERS

100+ Women Who Care Lake Co. Activities Press Advanced RV All Choices Matter American Precision Museum (APM) ApprenticeOhio Area 19 Workforce Board (Ashtabula, Geauga, & Portage Co.) Ashtabula County Commissioners Ashtabula County Job & Family Services Ashtabula Foundation Association for Manufacturing Technology Buckley King, LPA Calfee, Halter & Griswold LLP Cardinal Community Credit Union Casco USA Cintas City of Mentor City of Painesville City of Painesville Economic Development Civista Bank Clear Process Solutions LLC Cornerstone IT Corrigan Krause CPA Country Neighbor **Deepwood Industries** Dollar Bank Dworken & Bernstein Co. LPA Eastern Lake County Chamber of Commerce EDGE ERC Frie Bank E Solutions LLC Express Employment Professionals Federated Insurance First Federal Lakewood First National Bank FMC Architects LLC Gazette Newspapers

Geauga Growth Partnership (GGP) Geauga Maple Leaf Global Real Estate Advisors, Inc Grainger Greater Cleveland Partnership (GCP) Group Management Services Growth Partnership for Ashtabula Co. OhioMeansJobs Ashtabula County HOLA Ohio Insurance Partners JobsOhio Junction Auto Family KeyBank Kirtland Capital Partners Lakeland Construction Group Lake County Captains Lake County Commissioners Lake County Development Council Lake County Ohio Port and Economic Team NEO Development Authority Lake County Workforce Development The Business of Good Board Lake Health Laketran Leadership Lake County Fund Magnet Magnus International Group Manufacturing Works Mentor Area Chamber of Commerce Mentor Economic Assistance Corporation Mentor Chamber Educational Foundation Mentor Rotary M Mark Weaver Memorial Foundation Vector Technical Inc. Inc Murch Foundation National Robotics League (NRL) **NEO** Manufacturing Experts News Herald Nottingham Spirk Design Associates NTMA Akron Chapter NTMA Cleveland Chapter

Nuts, Bolts & Thingamajigs Ohio Aerospace Institute (OAI) Ohio Department of Job & Family Services (JFS) OhioGuideStone Lake County Ohio Manufacturers' Association OhioMeansJobs Geauga County OhioMeansJobs Lake County Oswald Companies Painesville Community Improvement Corp. Paulich Specialty Co Inc PHASTAR Corporation Precision Metalforming Association Premier Power Solutions Team IBB TG Sparc The Office of Congressman Dave Joyce The Reserves Network The Sustar Agency Timeless Photography Ohio Lake / Geauga Educational Assistance Torchlight (Formerly Big Brothers, Big Sisters) Torque Transmission Total Technical **Turner Construction** Sand & Sebolt, LPA Shop Supply & Tool Company Skylight Financial Group Somich & Associates U.S. Bank VantageOne Vocational Guidance Services Wells Fargo Western Reserve Junior Service League Willoughby Western Lake County Chamber Youth Opportunities Unlimited (YOU) Zito Insurance

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AWT CALENDAR OF EVENTS

2022



1/1 1/11 February AWT Apprenticeship Cohort II Con. 2/10 AWT Apprenticeship Cohort IV Launch 2/8

March

AWT Annual Meeting 3/22



April Robobots Interview/Safety Check <u>RoboBot</u>s Competition Day

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4/29 4/30

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10/6

10/24

10/26

May AWT Apprenticeship Webinar 5/18 Golf Outing 5/23

June

Minutes 1

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Lake & Geauga SMI Camp 6/13-6/17 Lake & Geauga SMI Camp 6/20=6/24

July

August

AWT Apprenticeship Cohort I Con.8/22AWT Apprenticeship Cohort III Con.8/24AWT Apprenticeship Cohort V LaunchTBD

11/2

September

October Think Manufacturing Expo

RoboBots Kick-off

JuniorBots Kick-off

November AWT Apprenticeship Webinar

December Holiday Mixer 12/15

REGISTER TO ATTEND, SPONSOR, OR VOLUNTEER AT OUR AWT EVENTS BY VISITING <u>WWW.THINKMFG.COM/EVENTS</u>

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The Alliance for Working Together Foundation Thinkmfg.com

Thank You





