



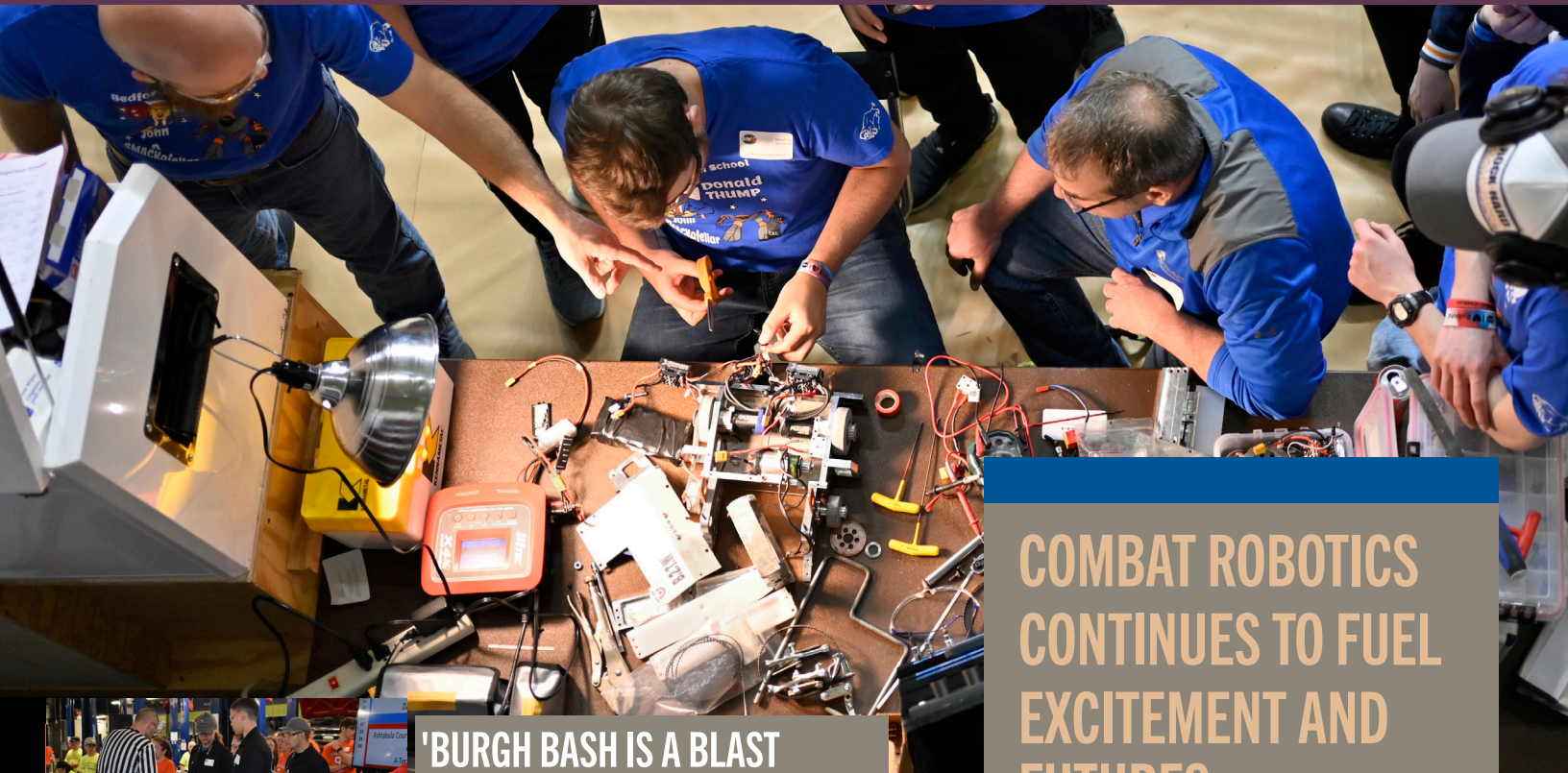
NTMA

PITTSBURGH

CHAPTER

SHAPING THE FUTURE OF SOUTHWESTERN PENNSYLVANIA MANUFACTURING WITH CUTTING-EDGE PRECISION.

JUNE 23



COMBAT ROBOTICS CONTINUES TO FUEL EXCITEMENT AND FUTURES

Sparks flew at PennWest California April 28-29, 2023 as 63 BotsIQ teams faced off with their combat robots in gladiator-style competition.

CONTINUED ON PG.12



'BURGH BASH IS A BLAST

Pittsburgh rises to the occasion and hosts national competition. [pg. 2](#)



THERE'S STILL TIME Play or sponsor this month. [pg. 3](#)



APPRENTICE NEWS Competition winner, graduates and a new way to register your program. [pg. 4&5, 10](#)

ALSO IN THIS ISSUE:

- 6 BOTSIQ IN THE CLASSROOM
- 8 NTMA CONNECT
- 10 OPERATING COST SURVEY
- 14 OPERATING COST SURVEY
- 15 SCHOLARSHIP WINNER
- 16 GET READY FOR MFG MONTH

'BURGH BASH

by Kevin Hartford, president, PGH NTMA/NTMF

The Pittsburgh Chapter NTMA takes great pride in being the most dynamic chapter in the country. Over the past few years we've accomplished a great deal and have helped to advance the precision manufacturing industry— particularly here in southwestern Pennsylvania. Whether it's our workforce development initiatives or our other high value programs, we have raised the level and knowledge of our industry.

Earlier this year, the National Robotics League (NRL), a program of the NTMA, announced it would not be hosting a national combat robotics competition this year as the organization restructured under new leadership. Chapter Executive Ed Sikora suggested that we host the event and discussed it with the board of directors and Michel Conklin, director of BotsIQ.

Initially, pulling off a large scale event like this on short notice seemed challenging. It required funding, a venue and the buy-in of other combat robotics teams that may or may not be able to make a trip with little lead time.

Conklin spoke with the other combat robotics program managers and the consensus was that a national event for students to bring the best of the bots

together to battle would be great, but no one had the resources to put on an event in short order.

I'm proud to say that our BotsIQ team and Pittsburgh Chapter leaders did what we do best— we got to yes— we made it happen.

The group of program managers decided that it made sense to host the competition the same weekend it had originally been planned for, May 19-20. It was agreed that Pittsburgh would be a good location since it's central to most of the programs. Since it was being hosted here in Pittsburgh,



we decided to call it 'Burgh Bash.

After looking at several locations, we decided to host the competition at Rosedale Technical College in Crafton. Its close proximity to the airport and highways seemed ideal for our out-of-town friends. Rosedale was thrilled to host the event and did not charge for part the space.

Kudos to our staff and volunteers for designing and hosting a national competition in less than three months. Teams from across the country battled it out and built friendships. It was a great opportunity to share Pittsburgh ingenuity with the precision manufacturing community. We illustrated once again how we "get things done" in southwestern PA.



We also want to extend a big thank you to Rosedale Technical College and our sponsors who made this event possible.

HATS OFF TO THE WINNERS OF THE FIRST EVER 'BURGH BASH:

GRAND CHAMPION:

Knockback

Fox Chapel Area HS

DOCUMENTATION:

RoboSpartans

Hempfield Area HS

Space Whale

Punxsutawney Area HS

COMPETITION:

John D. SMACKafellar

Bedford Area HS



Teams from across the country battled it out and built friendships. It was a great opportunity to share Pittsburgh ingenuity with the precision manufacturing community.

-- Kevin Hartford, president, PGH NTMA/NTMF



FOURSOME COST: \$860.00

Your entry fee includes: Golf Fees · Cart Fees · Practice Range · Putting Green · Bag Drop · Locker Room Facility · Boxed Lunch · Unlimited water, beer & Gatorade on the course · Cookout Dinner · Awards



SPONSORSHIPS AVAILABLE:



RED LEVEL: \$1500 Listed on Promotional Materials • Logo on Banner • Listed on PGHNTMA.org • Listed in PGH NTMA Newsletter • Tee Box Sign

WHITE LEVEL: \$750 Logo on Banner • Listed on PGHNTMA.org • Listed in PGH NTMA Newsletter • Tee Box Sign

BLUE LEVEL: \$250 Tee Box Sign

RESERVE YOUR PLACE TODAY.
www.PGHNTMA.org

CONGRATULATIONS APPRENTICES

“This year's apprenticeship program graduates are ready for what the future holds.”
—Liz Blashock
PGH NTMA/PGH NTMF Program and Events Coordinator

June 7, 2023, at Stratigos Banquet Center in North Huntingdon, our newly named graduates celebrated their accomplishment with families, employers, peers and friends.

Brandon Schoonmaker acting manager, Mechanical and Fluid Systems at Astrobotic, delivered keynote remarks.

Astrobotic specializes in making space missions feasible and more affordable for science, exploration and commerce. As a lunar logistics company, the company offers end-to-end delivery services for payloads to the Moon. Their 47,000 square-foot Pittsburgh complex is the largest private facility in the world dedicated to lunar logistics.

Schoonmaker's responsibilities include oversight for design, structures, thermal, propulsion, and mechanism aspects for the landers and spacecraft division.

He is a mechanical engineer with a background in dynamics and vibrations analysis of mechanical, civil-structures and electrical components for both nuclear and aerospace applications.

Upon joining Astrobotic, he developed the Peregrine lander finite element analysis model through qualification and environmental testing. He also serves as the technical lead of the structures team. Brandon has developed/analyzed nearly all metal-based Peregrine components, of which 95



percent are machined here in Pittsburgh, primarily using NTMA member shops. His experience and vision for innovation inspired the new graduates.

Chapter Executive Ed Sikora served as master of ceremonies. The Pittsburgh Chapter awarded certificates of completion to 20 graduates and recognized the winners of the annual Pittsburgh Chapter NTMA/MSC Apprentice Competition.

CONTEST WINNER NAMED

February's contest boasted a field of exemplary up-and-coming talented machinists. Congratulations to Jacob Koelsch of Penn State Tool & Die Corporation (pictured left) for being named the PGH NTMA/MSC Apprentice Competition winner. He was awarded an H. Gerstner & Sons toolbox for his performance.

Second place went to Timothy Sheffler of Kiski Precision Industries and Shane Feher of Hamill Manufacturing Company placed third.

This annual competition tests hands-on performance in setting up and operating machine tools, including a manual milled part and a manual turned part produced to specifications. A written examination assesses content knowledge.

Participation is open to ALL apprentices-- both those who attend classes through the Pittsburgh Chapter NTMA Apprenticeship Program and also any apprentice employed at a NTMA Member company being trained through an employer sponsored program.

Contestants were scored by a point system based on knowledge, skill and efficiency. Thank you to our panel of judges for their time and expertise.



CENTRAL WESTMORELAND CTC

DIANE AMOS
Instant Brands LLC

MICHAEL J. BAUMAN
General Carbide Corporation

RUSSEL S. BURKHOLDER III
Summit Machine Co., Inc.

BRENT R. MCDOWELL
Dura-Metal Products Corporation

CODY SCOTT MILLER
Product Evaluation Systems, Inc.

CHRIS J. MOSKAL
General Carbide Corporation

ELIJAH RACH
Summit Machine Co., Inc.

ZACHARY SMITH
Precision Defense Services Industries

NORTHERN WESTMORELAND CTC

SHANE FEHER
Hamill Manufacturing Company

JOSHUA FISHER
Chelsea Building Products

JEROD M. KEYS
Versatech, Inc.

RICHARD MACIOCE
Accrotool Enterprises, Inc.

TRAVIS SMITH
E. H. Schwab Co.

NCC ANSELMO TRAINING INNOVATION CENTER

GRANT CRAIG
Detroit Switch, Inc.

NICHOLAS GNIEWKOWSKI
VEKA, Inc.

STEFAN MISSELWITZ
Penn Drill

DOMINICK RUCKER
CP Industries Holdings, Inc.

RICHARD R. SIMPSON
Shea Manufacturing

RYAN A. SZYNBORSKI
Quality Code Consulting & Mechanical

ZAIAH ZIEGER
Jatco Machine & Tool Co., Inc.

SPEED • POWER • PERFORMANCE





Superior Quality and Service

The support you need to Make What Matters

Allegany Machine Tool Systems, Inc.
632 E. McMurray Rd. • McMurray, PA 15317
Phone: (724) 942-4451 • Toll Free: (800) 269-4090 • Fax: (724) 942-4453
www.allegmach.com

BotsIQ Mini-Classes FOR FUTURE BOT BUILDERS

by Molly West, PGH NTMA

It's called BotsIQ in the Classroom. The goal: to expose younger students to STEM activities and encourage them to consider all the possibilities that manufacturing holds. Fifteen years ago, BotsIQ set out to show southwestern Pennsylvania high school students that manufacturing careers are high-tech, interesting and offer a competitive salary. The program met with unparalleled success—expanding every year to serve more students and offer even greater challenges.

As the BotsIQ team considered new opportunities for growth, it became apparent that the students who joined BotsIQ teams already had an interest in STEM activities. During elementary school, they showed an interest in science and technology. They were naturally math students. It raised the question—how can we reach a larger audience?

The answer came from BotsIQ Director Michel Conklin. She suggested that reaching a younger

audience would broaden the pool of interested students. The team recognized that by the time students are in high school they have already decided which clubs to join and what careers interest them. If students learned more about innovative STEM possibilities while they are forming their sense of self and exploring their strengths, they would be more likely to pursue those programs throughout their education. The hypothesis: by targeting a younger audience, BotsIQ can drive more students to participate in their high school programs and expose more young people to manufacturing careers and opportunities.



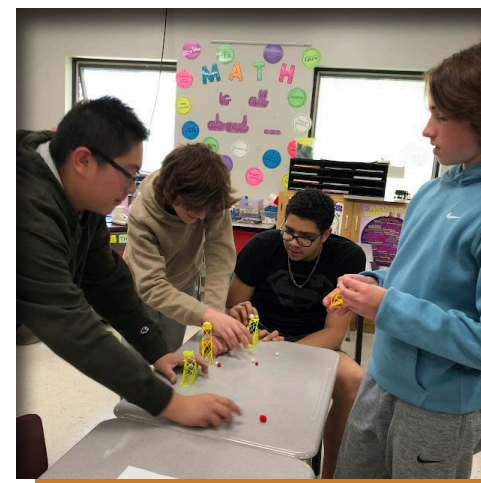
Oula Ghani, the BotsIQ teaching fellow, began reaching out to teachers in elementary and middle schools with a list of available classes. The BotsIQ



team visits classrooms to share hands-on lessons about 3D design, circuits and precision. The list is expanding all the time. Not only does the BotsIQ team work to make these lessons interesting—they're fun.

To date, Ghani has taught 45 classes and reached approximately 735 students at schools in Beaver, Westmoreland, Greene, Allegheny, Fayette, Washington and Indiana counties.

“Every teacher I reach out to is



“*I would love to reach more teachers and schools. Since any of my classes can be adapted to fit any subject and standard, I can go to all classrooms.*”
—Oula Ghani
BotsIQ Teaching Fellow



concerned about the fee associated with this. Once they know it is free, they book a class right away and discuss future opportunities and more programs with us,” Ghani explained.

“I would love to reach more teachers and schools. Since any of my classes can be adapted to fit any subject and standard, I can go to all classrooms.

So far, I have reached math, science, gifted, and STEM classrooms, but I would love to get in non-traditional classrooms like ELA or art classrooms.”

If you know a teacher who would like to learn more about BotsIQ in the Classroom, please email:

ghani@botsiqpa.com.

Today's students are tomorrow's bot builders and your future workforce.

MetPlas
INCORPORATED



toll-free: **800-827-1900** email: mikec@metplas.com

Celebrating **42** in business!
YEARS

Providing precision machining and fabrication of plastics and non-ferrous alloys since 1981.

Specializing in:

- Milling
- Turning
- Water Jet Cutting
- Turret Punching
- Busbar Punching and Forming
- Die Cutting
- 3D Printing
- Assembly

www.metplas.com

27 Years of Membership



3 Acee Drive, Natrona Heights, PA 15065

NTMA CONNECT

FROM THE NATIONAL NTMA OFFICE

YOUR NTMA MEMBERSHIP MAKES YOU ELIGIBLE FOR THIS VALUABLE EXPERIENCE.

Earlier this year, the National Tooling & Machining Association launched the all-new, members-only, online community: NTMA Connect. You're invited to participate in forums, network with industry peers and ask the questions only your fellow machine shop leaders can answer.

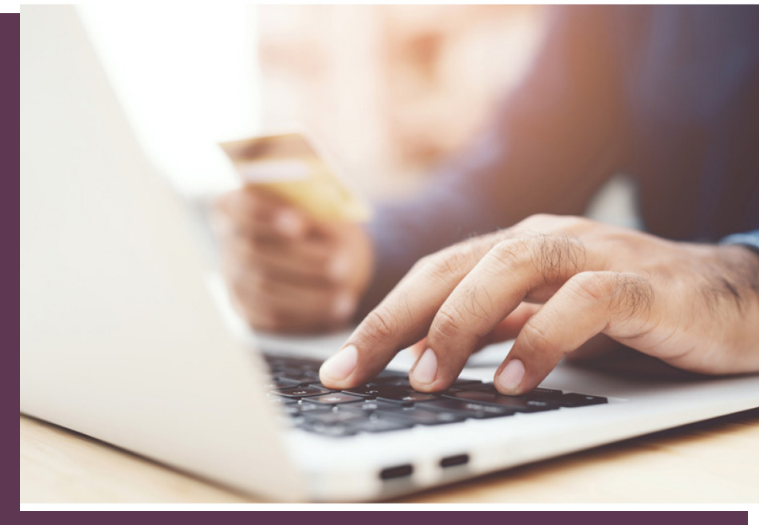
Year after year, at the ENGAGE conference, roundtable discussions are acclaimed as the event's most enriching experience. NTMA Connect aims to bring the roundtable format to NTMA members every day of the year.

NTMA Connect benefits members with 24/7 access to ongoing roundtable discussions, accessible from work or home.

Are you a new owner with questions about how to run a machine shop? An experienced manufacturer seeking tips for growing your business? A shop floor supervisor

looking to improve manufacturing processes?

Sure, you can search Google and sort through thousands of results. But NTMA Connect links you directly to your NTMA peers. On NTMA Connect, you'll find real-life



manufacturing professionals who can speak directly to your questions and offer trustworthy advice.

You no longer need to be in the same time zone—let alone the same room—to learn and grow alongside other NTMA members. Whether you're a night owl, an early bird, or a bit of both, you'll always find someone ready to talk shop.

Follow your preferred forum topics and stay updated on the threads you've participated in with your choice of a daily or weekly email digest. You won't miss a question or comment.

Our broad base of individual and company memberships means more than 5,000 manufacturing professionals are automatic members of NTMA Connect.

Through an introductory open forum, you'll learn the platform and get to know fellow NTMA members. As the platform grows, NTMA Connect will expand with topic-specific forums, themed groups, and engaging "microsites" to help you build your network.

NTMA has always been THE modern machine shop's resource for learning, training, networking, and belonging. Now, NTMA is bringing the community to you.

Join in to compare challenges and share success stories. You'll never be alone with NTMA Connect at your fingertips.



IT'S NEVER BEEN EASIER TO GET AUTOMATED

Labor shortages, optimizing productivity, and increasing efficiency are just some of the reasons to automate your production. From big to small, every shop should be investing in automation. It's easier (and more affordable) than you think.



WHICH AUTOMATION SYSTEM IS RIGHT FOR YOU?

Haas Factory Outlet Pittsburgh offers many different options for automating your shop, from automatic part loaders and pallet pools, to fully integrated robot systems. Depending on your shop's needs, there's an automation system that's right for you.



Haas Factory Outlet - Pittsburgh
549-A Keystone Drive
Warrendale, PA 15086

800-358-6959
WWW.HAASFACTORYOUTLET.COM

FEDERATED INSURANCE
It's Our Business to Protect Yours

Help Your Employees Make it Home Safe Today

Federated DriveSAFESM Telematics helps your employees improve their daily driving habits and return home safe at the end of the day.



Scan to learn more about **DriveSAFE TELEMATICS**.

The content of this publication is for general information purposes only. Consult with a qualified professional when you have detailed questions regarding any topic in this publication.



Commercial Insurance Property & Casualty | Life & Disability Income
Workers Compensation | Business Succession and Estate Planning | Bonding
Federated Mutual Insurance Company and its subsidiaries** | federatedinsurance.com
*View A.M. Best Rating Guide information at www.ambest.com. **Not licensed in all states.
23.01 Ed. 4/23 © 2022 Federated Mutual Insurance Company

Minimizing Risks in an Ever-Changing Market

Frost Brown Todd is a full-service law firm serving some of America's top corporations. Our manufacturing attorneys excel in areas such as:

- Labor & Employment
- Litigation
- Antitrust
- Intellectual Property
- Supply Chain
- Transactions
- Construction
- Environmental
- Real Estate
- Government Relations

Jordan S. Blask | Member | Pittsburgh
412.513.4268 | jblask@fbtlaw.com



frostbrowntodd.com

Union Trust Building | 501 Grant Street | Suite 800 | Pittsburgh | 412.513.4300
©2020 Frost Brown Todd LLC. All rights reserved. ADVERTISING MATERIAL.
Legal services may be performed by other lawyers at the firm.

WHAT'S THE COST OF BUSINESS?

by John Mackay, Mackay Research Group

It's a benefit of your membership. The NTMA Operating Costs Report is a financial analysis of the custom tooling & machining industry. It can help you improve your financial results by establishing typical financial performance targets

and by analyzing how high-profit companies in the industry achieve their success.

The NTMA Operating Costs Dashboard is a profitability analysis of NTMA members designed

to analyze and understand best practices of precision machining companies.

THIS FINANCIAL BENCHMARKING TOOL ADDRESSES CRITICAL BUSINESS QUESTIONS LIKE:

- What is the profitability gap between high profit shops from the rest of the pack?
- What is a competitive gross margin in the precision machining industry?
- What type of productivity should I expect out of my employees?
- Are my payroll expenses in line with industry benchmarks?

What's in it for you? In addition to the full report, survey participants also receive an Individual Financial Performance Report analyzing your company. This report compares your financial performance to industry standards. In order to protect your confidential data, Mackay Research Group sends this report directly to you.

Deadline for participation:

June 30, 2023

You'll find the survey at:

<https://pghntma.org/wp-content/uploads/2023/06/2023-NTMA-Operating-Costs-Survey.xlsx>

Please note the report is FREE to participants only.

KISKI PRECISION INDUSTRIES

Industry-specific expertise, proven reliability and an unwavering commitment to quality—we're the partner you want for all your industrial service needs.



Precision Machining and Grinding ■ Welding ■ Fabrication ■ Wire and Conventional EDM ■ Assembly ■ Wiring ■ Engineering

kiskiprecision.com

NEW OPPORTUNITY FOR TRAINING YOUR APPRENTICES

We have great news for Pittsburgh Chapter NTMA member companies interested in establishing an apprentice training program.

The Pittsburgh Chapter NTMA is finalizing approval to become a Group Sponsor of Apprenticeship through the Pennsylvania Department of Labor and Industry's Apprenticeship & Training Office.

Once this program is finalized, Pittsburgh Chapter NTMA employers will not need to register their individual apprenticeship programs with the Pennsylvania Department of Labor and Industry's Apprenticeship & Training Office. They can be registered through the

chapter. The chapter will handle all registered apprentice tracking and reporting with the state.

Now you can avoid the cost and time of managing self-run apprenticeship and let the Pittsburgh Chapter handle the details while you focus on moving your entry level workers to advanced level jobs.

Final approval of the Pittsburgh Chapter's Group Sponsor Program is expected in June. Watch email and future newsletters for additional details.

You may also reach out to

Liz Blashock, events and program coordinator at:

blashock@pghntmf.org



Pittsburgh Chapter NTMA Apprenticeship Program

Enrollment opens in July!

LET US TRAIN YOUR APPRENTICES TO BE JOURNEYMAN MACHINISTS

Apprenticeship Programs lead to a safer workplace, help to enhance employee retention, reduce turnover rates, increase productivity and lower the cost of recruitment.

We look forward to training your workforce!



For more information, visit www.pghntma.org or call: 412-212-6868, e-mail: blashock@pghntmf.org

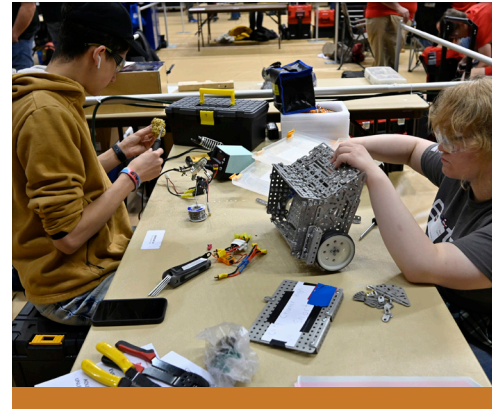
COMBAT ROBOTICS CONTINUES TO FUEL EXCITEMENT AND FUTURES

by Michel Conklin, executive director, BotsIQ

(Continued from page 1)

The annual BotsIQ Finals brought together forty-five schools from across the region, including rookie schools, City Charter High School, Cornerstone Prep, North Allegheny Intermediate High School, Marion Center Area Junior/Senior High School and River Valley High School. While the battles are over, BotsIQ's mission continues. As the workforce development program of the

Pittsburgh Chapter NTMA, BotsIQ was created to provide a pathway for youth to explore rewarding careers in manufacturing. The program has been effective year after year in developing students' technical skills and knowledge. More than 90 percent of students reported gaining at least one technical skill this year from their BotsIQ participation. However, the most valuable experience came

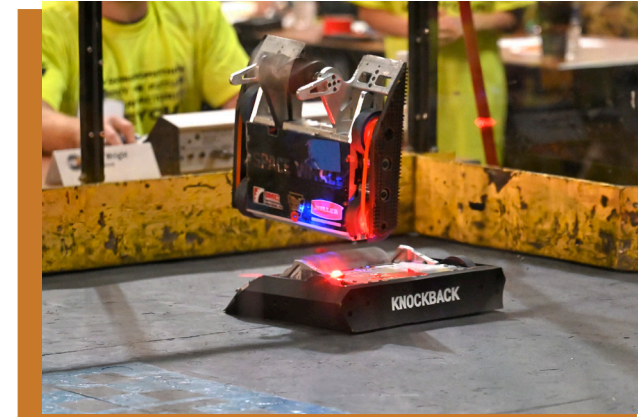


from their connections with local manufacturers. More than two-thirds of students had an opportunity to tour a local company and nearly all reported that it increased their understanding of manufacturing careers.

Last October, Cornerstone Prep had the opportunity to tour Kurt J. Lesker Company. When asked what he liked most about BotsIQ, senior team member Daniel commented, "I liked

touring our industry partner the most because it gave me the opportunity to see a variety of types of engineering that I wasn't aware of." Daniel is pursuing a future in electrical engineering following graduation.

Congratulations to all the students and schools who participated this year. Check out our list of 2023 winners below.



2023 BotsIQ Winners

GRAND CHAMPION:

PLUM HIGH SCHOOL - TEAM 1 - R.A.M.; INNOVATIVE CONTROLS

1ST PLACE COMPETITION WINNER:

PLUM HIGH SCHOOL - TEAM 1 - R.A.M.; INNOVATIVE CONTROLS

2ND PLACE COMPETITION WINNER:

BEDFORD AREA HIGH SCHOOL - TEAM 2 - DONALD THUMP; KENNAMETAL, ROCKLAND, CELL-CON

BEST ENGINEERED BOT:

HEMPFIELD AREA HIGH SCHOOL - CAPO; COMPOSIDIE EDM, PES TESTING

1ST PLACE ENGINEERING DOCUMENTATION:

HEMPFIELD AREA HIGH SCHOOL - CAPO; COMPOSIDIE EDM, PES TESTING

2ND PLACE ENGINEERING DOCUMENTATION:

FOX CHAPEL AREA HIGH SCHOOL - KNOCKBACK; AEROTECH, INC.

ENGINEERING DOCUMENTATION HONORABLE MENTIONS:

3RD - SOUTHMORELAND HIGH SCHOOL - SHAKE 'N BAKE; PENN STATE TOOL & DIE, REYNOLDS MACHINE SHOP, TECH MET CHEMICAL MILLING, KAF-TECH, QUALITY TRUCKING

4TH - PENNS VALLEY JR/SR HIGH SCHOOL - BUTTERFINGERS; XACT METAL

5TH - CORNERSTONE CHRISTIAN PREPARATORY ACADEMY - RAMBONI; KURT J. LESKER

6TH - THE GOW SCHOOL - TEAM 1 - MUNCH; MOOG, STEEL AND O'BRIEN MANUFACTURING

7TH - PLUM SENIOR HIGH SCHOOL - TEAM 1 - R.A.M., INNOVATIVE CONTROLS

8TH - CHARLEROI AREA HIGH SCHOOL - TEAM 1 - CHAD 8, DMI COMPANIES

9TH - PINE-RICHLAND HIGH SCHOOL - TEAM 2 - FRANKY, JV MANUFACTURING

10TH - THE GOW SCHOOL - TEAM 2 - DUCKIE-POBLOCKI; MOOG, STEEL AND O'BRIEN MANUFACTURING

BEST SPORTSMANSHIP:

PUNXSUTAWNEY AREA HIGH SCHOOL; MILLER FABRICATION, JEFFERSON MACHINE COMPANY

KING OF THE RING:

PUNXSUTAWNEY AREA HIGH SCHOOL - TEAM 1 - DARK STAR (WEATHER CAPITAL ROBOTICS); MILLER FABRICATION, JEFFERSON MACHINE COMPANY

ROOKIE OF THE YEAR:

CORNERSTONE PREP - RAMBONI; KURT J. LESKER

COOLEST BOT:

CHARLEROI AREA HIGH SCHOOL - TEAM 1 - CHAD 8, DMI COMPANIES

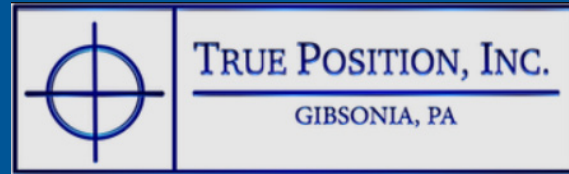


Chick Machine, Columbia Gas, PDS Industries, Pittsburgh Robotics Network & Product Evaluation Systems, Inc.

For more information about supporting BotsIQ, visit www.botsiqpa.org

WELCOME NEW MEMBERS

WELCOME TRUE POSITION, INC.



Established on Pittsburgh's North Side in 1985 by John Z. Spudic, True Position, Inc. (TPI) is a family-run business now under its third generation of leadership. TPI is a flexible, precision contract manufacturing facility, specializing in custom parts for the Department of Defense and power generation industries.

The company is a growing supplier to the steel manufacturing industry by reverse engineering outdated equipment, providing repairs and collaborating with engineers to improve on existing designs. TPI also works with various local companies to repair and replace heavy equipment parts.

Now located in Gibsona, their 11,000 sq ft facility includes seven CNC Mills and Lathes, a Ø60" VTL with live tooling, manual machining and grinding, welding, sandblasting, CMM inspection equipment, painting capabilities and a 7 ton overhead crane. In addition to precision CNC turning and milling, TPI offers welding, painting and fabrication services. TPI has US Navy approved procedures for welding carbon, stainless and aluminum and experience with machining a variety of materials, from nylon to nickel.

True Position, Inc. is thankful for the past 35 years and the countless customers that have relied on the company to meet their needs, and they look forward to continuing to provide excellent service to new customers.



WELCOME XCELICUT

Established in 2019, Xcelicut is a contract machine shop focused on medium volume production turning. They are located in Latrobe, PA and serve customers in a variety of industries including defense, heavy equipment, electrical infrastructure and more. Xcelicut specializes in utilizing simple automation to manufacture complex turned parts. Their lathes feature sub-spindles, live tooling, bar feeders and cobot machine tending systems to maximize efficiency by completing parts in a single operation with minimal manual effort.

The Xcelicut team is made up of highly skilled machinists who are bound by a shared passion for continuous improvement and process optimization. Everyday before the machines are turned on the team is given time to focus on organizing and improving their workspace. This culture of improvement drives everything Xcelicut does from how the shop is laid out to how they program their parts. It allows Xcelicut to provide customers with high quality parts at a great value.

JIM BOYLE SCHOLARSHIP WINNER

The Pittsburgh Chapter National Tooling & Machining Foundation awards an annual scholarship to a graduating senior who participates in BotsIQ. This year, for the first time, the scholarship was given in memory of the late Jim Boyle, long-time NTMA member, precision manufacturer and friend to many.

The recipient may use the \$1,000 scholarship toward educational training or purchasing of tools for a career in manufacturing, the trades or engineering.

CONGRATULATIONS TO OUR 2023 WINNER:

LAYNE RICHARDSON
Bedford Area High School

OUR CUSTOMERS KEEP COMING BACK. FIND OUT WHY.

- | | | |
|--------------------------------|-----------------|--------------------|
| TRUST US
WITH YOUR: | ▪ Mold Making | ▪ Small Parts |
| | ▪ CNC Machining | ▪ Close Tolerances |
| | ▪ Engineering | ▪ Laser Welding |
| | ▪ EDM | ▪ Laser Engraving |

WE'RE NOT JUST CREATING PARTS. WE'RE CREATING RELATIONSHIPS.

JATCO
MACHINE & TOOL CO., INC

www.jatcomold.com ▪ 412.761.4344 ▪ sales@jatcomold.com



PETERS'
HEAT TREATING, INC.



**A HEAT TREATING
PARTNER THAT GIVES A
HOT DAMN**

CONTACT US

814-333-1782

11010 MCHENRY STREET, MEADVILLE, PA 16335

sales@petersheattreat.com | petersheattreat.com

WHY CHOOSE US

- Local Pickup & Delivery Service
- Fast Turnaround and Delivery
- ISO 9001:2015 Certified
- Nadcap Accredited for Aerospace
- Turn Key Solution Provider
- Woman-Owned & Operated
- Real Time Job Tracking System
- Our Customers LOVE us

OUR SERVICES

- | | |
|-----------------------------------|--------------------------|
| • Age Hardening | • Normalizing |
| • Air Hardening | • Oil Hardening |
| • Aluminum Alloy Processing | • Rust Preventative |
| • Annealing | • Sandblasting |
| • Black Oxide Coating | • Selective Hardening |
| • Carbonitriding | • Shotblasting |
| • Carburizing | • Solution Hardening |
| • Cryogenics | • Straightening |
| • Ferritic Nitrocarburizing (FNC) | • Stress Relieving |
| • Gas Nitriding | • Tempering |
| • High-Speed Steel Hardening | • Tool Steel Hardening |
| • Hot Working Steels | • Metallography |
| • Induction Hardening | • Metallurgical Analysis |
| • Laser Heat Treating | • Microhardness Testing |
| • Neutral Hardening | • Vacuum Hardening |





PITTSBURGH

CHAPTER

107 FREEDOM COURT
MOON TOWNSHIP, PA 15108
PHONE: (724) 601-6008

E-MAIL: OFFICE@PGHNTMA.ORG

PRST STD
U.S. POSTAGE
PAID
PERMIT NO. 130
GREENSBURG, PA

PARTNER WITH BOTS IQ TO HOST YOUR MFG EVENT



PGH NTMA CALENDAR:

- 06/26 PGH NTMA/Kurt J Lesker Manufacturing Open
- 07/15 Apprenticeship Program Registration Opens
- 08/03 PGH NTMA/NTMF Board Meeting
- 10/01 MFG Month Begins
- 10/18 NTMA Engage 2023
- 11/02 PGH NTMA/NTMF Board Meeting

For times, locations and details, please visit:

www.PGHNTMA.org

Open your doors & engage with local students!

Email Maria Campieri to begin planning your
MFG DAY Event in October 2023
campieri@botsiqpa.com

