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Phillips Education Community Newsletter

January 2024

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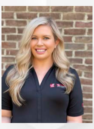
Meaghan's Message



Dear Phillips Education Community,

It is a pleasure to write the first letter of 2024 & welcome you to the New Year! It is hard to believe it has been almost a year since I began this role as your education coordinator.

2023 flew by and as we reflect on how much we have learned and the great educators we have met – it is easy to realize how truly blessed we all are and how appreciative we are of you and your hard work. I am also appreciative of the opportunity to have met and began working with Lindsay Cline in 2023 – she brings out the best in me and together, we have accomplished so much and we look forward to continuing to do so!

Along with Lindsay, ALL Phillips Partners have been extremely gracious and generous – 2023's accomplishments would not have happened without them!

Also, let's take a moment to thank the following who help make this newsletter a success month after month:

- Lauren Ramsey, who provides marketing expertise and advice and keeps you updated on the latest from Markforged!
- Cole McCormick, who is a technology wizard and ensures this newsletter and other marketing emails make their way to your inbox!
- Ken Potts, who provides the latest Haas Technology Updates for this newsletter!
- Meg Rose, who keeps us on brand and is the mastermind of this latest layout!
- Parisa Kiani, who provides information on educational packages for Automation!
- Lindsay Cline, who motivates us all and is kind enough to share her letter space with me this month – she will be back next month!
- Our educators and schools, who provide summaries of their careers and programs to share with you all!

This role began on February 1st, 2023, with very little knowledge regarding advanced manufacturing – especially CNC Machining but I knew I wanted to work with great people like you all and assist you with your needs. Fast forward to December 21st, 2023 - I was running a Haas VF4 and made an air piston engine, thanks to the America's Cutting Edge (ACE) program at North Carolina A&T State University! Before the ACE program, it was evident you all were rock stars, but after experiencing what it is like being a student myself, it really put into perspective how important a passionate and great instructor is to manufacturing education. My main instructor was Mama Salla, a student herself, but you would never know it. She was confident, passionate and exuded a willingness to help create the next generation of machinists. Those qualities made learning so much easier and FUN! Each of you exhibit these qualities in your teaching and that is why this community is the best! Along with Mama, Larry Johnson from our Phillips Service & Training Team, has also been a wealth of Haas CNC knowledge and has committed to help expand my knowledge in 2024!

In 2023, not only did I become a student in machining, but with the help of our sales managers and local sales teams, we planned 3 HTEC Conferences (2 Regional & 1 National), attended my first SkillsUSA & Project MFG competitions, worked the Phillips Education Community booth at Southtec, attended my first Formula 1 race in Miami and met many of you along the way!

As we look forward to what is in store this year, it is going to be packed and go by fast – you will be reading the 2025 letter before you know it!

There will be more Regional HTEC Conferences and the National HTEC Conference will be held at Dunwoody College of Technology from July 22-25, 2024. If you have any session/topic ideas that you would like to see at your Regional HTEC, please email me (mwidenhouse@phillipscorp.com).

Planning executing HTECs with amazing Phillips Partners and having the chance to meet many of you in person is always a highlight but I also enjoy coordinating and attending contests where I can meet your students and cheer them on! In 2024, we will still be involved with SkillsUSA, Project MFG and the Phillips Machinist Contest. If you have not signed up for the Phillips Machinist Contest, the deadline is tomorrow (Jan. 4) – see details in the upcoming events section below.

One of my main goals for 2024 is to be on a first-name basis with all of you, so please do not hesitate to contact me! I love hearing about your program, your students and am willing to help with any concerns or issues you may have.

Thank you for all you do to inspire students to become the BEST in manufacturing and be proud ambassadors for the Phillips Education Community!

Cheers to a successful 2024,

Meaghan

ACE
Restoring U.S. machine tool prominence
AmericasCuttingEdge

Group photo of the 2023 December ACE Participations at North Carolina A&T State University!

Educators of the Month

Mark Wells

Secondary Educator of the Month

Mark Wells, an esteemed metals manufacturing educator at Salisbury High School, brings a wealth of experience and expertise to the classroom with 30 years in the trade. He holds a bachelor's degree from Wright State University and received his journeyman Tool and Die from Lincoln Electric.

Mark is fueled by a genuine passion for teaching, finding immense joy in those moments when students grasp the material. Devoted to passing down his extensive knowledge, he is driven by a mission to ensure a strong presence of skilled professionals in the world of tooling and machining, shaping the future of the industry through dedicated education and mentorship.

Phillip Calhoun

Postsecondary Educator of the Month

Phillip Calhoun, program director and instructor of machine tool technology at Piedmont Technical College. He brings over 27 years of experience to the classroom, from entrepreneur, tool-and-die, pattern-making, research and development, and manual/CNC machining. He earned his AAS degree in machine tool technology from Piedmont Technical College. The decision to start attending PTC after a plant closure in 2010 was the right decision, and it was during this time that his instructors encouraged him to think about teaching. He started at PTC in 2014, and now in his 10th year, the passion to spark the next generation of machinists is his goal. When former students call to tell him about their accomplishments, it is his greatest joy. Passing on the wealth of knowledge to the next generation of machinists to help transform their lives and help shape the future of the industry is his passion.

School Spotlights

Salisbury High School

Secondary School of the Month

Salisbury High School's Career and Technical Education (CTE) Metals Manufacturing class is an immersive program catering to 45 students across three classes per semester. The curriculum centers on hands-on projects, introducing students to fundamental metalworking skills through the creation of a bench block, tapping block, and a more complex C Clamp. Emphasizing safety and precision, students become proficient in operating milling machines, lathes, and surface grinders.

Throughout the course, students not only acquire technical skills such as metal cutting, shaping, threading, and grinding but also develop critical thinking and problem-solving abilities. Safety protocols are a priority, ensuring that students can confidently operate metalworking machinery. The curriculum is designed to provide a well-rounded understanding of the industry, exposing students to potential career paths in metals manufacturing.

Assessment involves project completion, adherence to safety guidelines, and tool proficiency. Regular evaluations and feedback sessions ensure continuous improvement. Overall, the Salisbury High School CTE Metals Manufacturing class aims to prepare students for success, whether they choose to pursue further education or enter the workforce directly. The combination of theoretical knowledge, practical projects, and real-world applications equips graduates with the skills needed to excel in the field.

Piedmont Technical College

Postsecondary School of the Month

Piedmont Technical College is a comprehensive two-year college offering university-level education and hands-on career training. Piedmont Tech has locations in each of the seven counties it serves—Abbeville, Edgefield, Greenwood, Laurens, McCormick, Newberry, and Saluda—as well as an online campus. PTC's Institutional Mission is to transform lives and strengthens communities by providing opportunities for intellectual and economic growth.

The machine tool technology program is an introspective look at the area of machining with practical hands-on experience in best practices for entry-level machinists and machine operators. Courses are structured for experienced and non-experienced individuals to get the best training possible for success. Learning to operate the machine tools safely and effectively is the number one goal. Students will learn to operate manual and CNC milling machines and lathes, manual surface grinders, and various types of high-end inspection equipment.

The focus is to develop well-rounded individuals with an understanding of the machining trade and, at the same time, build the confidence to be successful. We provide several program options to assist students, starting with our AAS degree two-year term. We also offer a CNC certificate (two semesters), a precision metrology certificate (two semesters), and a machine operator certificate (two semesters). All the certificate courses can be applied toward the AAS degree. Courses are offered in two locations: Greenwood, SC (morning and evening offerings) and Laurens, SC (mornings only).

Grant Opportunity

Exelon Corporate Contributions Program:

Geographic area: Company communities in DE, IL, MD, NJ, PA, and DC

Description: Exelon's Corporate Contributions Program offers grants to nonprofit organizations in the communities Exelon serves. Those areas include Delaware, Maryland, New Jersey, Pennsylvania, and Washington DC. Grants may be awarded for Building Exelon's Future Workforce, including programs that encourage students to stay in school, promote math and science, improve workforce skills, and encourage personal development through scholarships, mentoring, and internships.

There is no application deadline. Visit HERE

Upcoming Events

Today (Jan. 3rd) is your last day to register for a chance to win an all-access VIP Package to the Coca-Cola 600m Stewart Haas Racing and Haas F1! Click Here to register - All that is required is to design and manufacture a unique part using a Haas CNC Machine with optional 3D Printing and/or Welding! Join the Facebook group and see the excitement by clicking here to join!

Do you have students who have a passion for CNC Technology & Design? If so, this is the contest for you! Please visit here to learn how to submit your students creations! All entries must be submitted by January 8th, 2024. To learn more, please visit here!

Registration is opening for SkillsUSA State Competitions! To submit your state competition registration, Click Here to find your state director and request information on your state competition.

Phillips Technology Updates

HAAS TOOLING
HAAS TESTED.
HAAS PROVEN.

Educators' Guide to Order Tooling:

Did you know new products are added weekly to the Haas Tooling Website and that ordering Haas Tooling from the Haas website is easy? Our goal is to make sure our educators receive the correct discount and parts. To do so, follow these easy steps:

1. Go to www.haascnc.com and create an account if you have not already done so.

2. Make sure you register with your school email ending in ".edu" to get the 25% off educators' discount!

3. Once you are signed in, click on the Haas Tooling section.

4. Start Shopping! Add the items you want to your cart and when you are done, go to your cart and click "share cart." In the recipient email line, send to either: pcservice@phillipscorp.com or pcsales@phillipscorp.com

5. Once received, you will be contacted to make sure the discounting and parts are correct and then your order will be placed!

Great News! HFO Phillips can now honor additional discounts featured on the Haas Website! However, these discounts cannot be applied on top of the 25% discount educators already receive. Contact your local HFO Phillips sales representative

for more information.

Haas Spotlight:

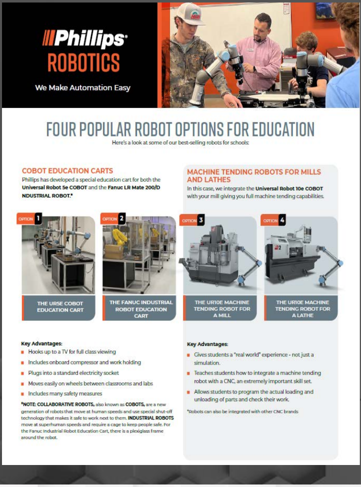
Haas HC10 Cobot

The Haas Cobot is now available for $35,000! You must purchase one of the following machines to be able to purchase: VF-1, VF-2SS, UMC-500m ST-10, ST-20Y & DM-2.

Learn More Here!

Purchase of a Cobot Incudes:

- One-year warranty
- HC10 Cobot
- 1 Meter Light Curtain
- Compatible Cables



Phillips ROBOTICS

We Make Automation Easy

FOUR POPULAR ROBOT OPTIONS FOR EDUCATION

Here's a look at some of our best-selling robots for schools:

COBOT EDUCATION CARTS

Phillips has developed a special education cart for both the **Universal Robot 5e COBOT** and the **Fanuc LR Mate 200/D NDUSTRIAL ROBOT.***

OPTION 1 THE UR5E COBOT EDUCATION CART

OPTION 2 THE FANUC INDUSTRIAL ROBOT EDUCATION CART

Key Advantages:

- Hooks up to a TV for full class viewing
- Includes onboard compressor and work holding
- Plugs into a standard electricity socket
- Moves easily on wheels between classrooms and labs
- Includes many safety measures

***NOTE: COLLABORATIVE ROBOTS,** also known as **COBOTS,** are a new generation of robots that move at human speeds and use special shut-off technology that makes it safe to work next to them. **INDUSTRIAL ROBOTS** move at superhuman speeds and require a cage to keep people safe. For the Fanuc Industrial Robot Education Cart, there is a plexiglass frame around the robot.

MACHINE TENDING ROBOTS FOR MILLS AND LATHES

In this case, we integrate the **Universal Robot 10e COBOT** with your mill giving you full machine tending capabilities.

OPTION 3 THE UR10E MACHINE TENDING ROBOT FOR A MILL

OPTION 4 THE UR10E MACHINE TENDING ROBOT FOR A LATHE

Key Advantages:

- Gives students a "real world" experience - not just a simulation.
- Teaches students how to integrate a machine tending robot with a CNC, an extremely important skill set.
- Allows students to program the actual loading and unloading of parts and check their work.

*Robots can also be integrated with other CNC brands

Want **Ready-To-Go proposals** of our top-pick robot packages for Education?

Click Here

Markforged University

Did you know Markforged offers a comprehensive additive training program for modern manufacturing? Click below to visit Markforged University and learn more today.

Visit Markforged

Phillips proud partners with Markforged

Think Additive Think Phillips

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