Phillips® FEDERAL DIVISION

MISSION LINK

JULY 2025

Linking you to the future of federal manufacturing with Phillips Federal insights & updates.

FEATURED INSIDE

1. Events & Feature Story
2. Phillips Update
3. Digital Systems & Haas Maintenance Training

UPCOMING EVENTS

July - Sep
Haas Maintenance & Repair Training
Classes are held in Mooresville, NC & Knoxville, TN

June 24 - 26
Haas Operator Mill/Lathe Training
Harrisburg, PA

July 3
Haas Certification
Harrisburg, PA

July 16 - 17
Reindustrialize
Detroit, MI

July 25
Mastering Mastercam Series
Via Teams

Sep 3
Dyndrite Workshop
Rock Island Arsenal, IL

Sep 8 - 11
Fabtech
Chicago, IL

Sep 9 - 11
Jdammit
Harrisburg, PA

Click here to see more events

EVENTS

EMPOWERING FEDERAL MANUFACTURING: PHILLIPS FEDERAL PARTNERS WITH BIGREP AMERICA

Phillips Corporation, Federal Division, is proud to announce a new strategic partnership with BigRep America, a global leader in large-format additive manufacturing. This collaboration marks a major milestone in our mission to provide the U.S. government with the most advanced and scalable manufacturing technologies. As BigRep's primary federal reseller, Phillips Federal will now deliver cutting-edge, industrial-grade 3D printing solutions to defense, military, and government agencies across the nation.

This partnership brings together the unmatched experience of Phillips Federal in federal procurement and BigRep's pioneering large-format additive manufacturing systems. It unlocks new opportunities for federal agencies to produce mission-critical parts on demand—reducing downtime, increasing operational readiness, and driving innovation across aerospace, energy, research, and defense sectors.

"At Phillips, we're focused on accelerating sustainment solutions that strengthen warfighter readiness. Our partnership with BigRep brings large-format additive capabilities directly to the mission enabling agile, on-demand support for critical defense systems." — Kelley Padham, President of Phillips Federal.

Together, Phillips and BigRep are meeting the government's growing demand for adaptable, efficient, and sustainable manufacturing technologies. With BigRep's proven technology and Phillips Federal's trusted support infrastructure, agencies can now confidently adopt additive solutions that align with evolving mission objectives and modern manufacturing goals.

This collaboration reaffirms Phillips Federal's commitment to delivering transformative technologies that shape the future of federal manufacturing. We're not just offering equipment—we're enabling a smarter, more agile way to build the tools that serve and protect our nation.

Ready to learn more about our partnership and larg-format addtive solutions? Click the button below and complete the form and a Phillips expert will connect with you.

LEARN MORE

TOP PAGE

PHILLIPS UPDATE

PHILLIPS CORPORATION & MX3D UNITE TO ACCELERATE WAAM ACROSS US DEFENSE

As part of our ongoing mission to deliver advanced manufacturing solutions to the U.S. Federal Government, Phillips Corporation is proud to announce a strategic partnership with MX3D, a global leader in robotic Wire Arc Additive Manufacturing (WAAM) technology. This collaboration represents a major step forward in expanding metal 3D printing capabilities across key sectors such as defense, aerospace, maritime, energy, and heavy industry.

The partnership was initiated with a handshake agreement at RAPID + TCT 2025 in Detroit and formalized with a signed contract in June. Together, Phillips and MX3D are aligning their strengths to advance Direct Energy Deposition (DED) applications, combining Phillips' deep expertise and established network in U.S. federal manufacturing with MX3D's cutting-edge robotic WAAM systems and proprietary MetalXL software.

"We are excited to partner with MX3D on robotic wire arc DED solutions for the U.S. market," said John Harrison, President of Phillips Global Additive. "My visit to their headquarters confirmed their deep welding expertise—an essential capability for DED—and their system's unique intellectual properties position them to deliver high-quality parts for mission-critical applications."

MX3D's award-winning M1 and MX Metal AM Systems are built for medium-to-large-scale metal parts, trusted globally by leaders like the U.S. Army, BMW, and EMPA. These turnkey systems integrate seamlessly with MetalXL, MX3D's end-to-end WAAM control and monitoring platform, enabling real-time process control, print analytics, and certification-ready traceability. Partnering with Phillips Corporation offers a great chance to speed up the adoption of MX3D technology in the USA," said Gijs van der Velden, CEO of MX3D. "Their strong network and ability to provide high-quality, localized support is critical as more customers shift to 24/7 qualified metal AM production."

As MX3D's exclusive distributor and service provider in the U.S., Phillips is uniquely positioned to deliver this next-generation technology to its federal and commercial partners—backed by expert integration, training, and ongoing technical support.

LEARN ABOUT MX3D

FABTECH EXPO 2025 WE'RE READY. ARE YOU?

The Phillips Federal team is gearing up for FABTECH 2025, happening September 8–11 at McCormick Place in Chicago. As North America's largest event for metal forming, fabricating, welding, and finishing, this is where innovation meets opportunity—and we're bringing both. With decades of experience supporting the U.S. government and partnering with top OEMs, our team is ready to dive into your biggest challenges and boldest ideas around advanced manufacturing.

If you plan to attend Fabtech 2025, don't miss the chance to connect with Phillips experts one-on-one. Click the link below to schedule a meeting with our team,

BOOK YOUR MEETING

TIPS FOR TOOLS - DRILL ANGLES MADE EASY

presented by Application Team

Have you ever struggled to get your drill angles just right? Or wondered whether to use a spot drill or a center drill for a specific job? Getting these details right can make all the difference in achieving precision, efficiency, and tool longevity. Phillips Federal is here to break down the essentials so you can confidently tackle your next project and achieve mission success, the first time. Here are a few tips to keep in mind next time you're wondering what to do and when to do it.

Spot Drill Angles – Know When to Use What:

- 82° – Perfect for countersinking flat-head screws in softer materials like aluminum.
- 90° – A versatile workhorse, ideal for general chamfering and precise starts.
- 120° – Great for steel and cast iron, helping with chip flow in deeper holes.
- 142° – Built tough for stainless steel and titanium, preventing drill wander.

Spot Drill vs. Center Drill:

- Use spot drills in CNC or manual drilling to create accurate starting points and chamfers.
- Use center drills in lathe work to make conical holes for tailstock alignment.

Have more questions?
We'd love to hear them. We'll break them down and share the answer with you so that you can achieve your goals. Click the button below and send in your questions.

Send Your Questions

DON'T FORGET TO REGISTER FOR THE NEXT MASTERING MASTERCAM SESSION

Phillips

HAAS MAINTENANCE AND REPAIR TRAINING

TOP PAGE

Roll into the 4th quarter of FY25 trained in

HAAS MAINTENANCE & REPAIR TRAINING

Phillips Education is hosting a Haas Maintenance & Repair Training course in **Mooresville, NC.** This hands-on course is designed to build confidence in troubleshooting, reduce costly downtime, and strengthen your team's in-house maintenance capabilities - all led by instructors with over a century of combined field experience.

AUGUST	SEPTEMBER
AUG 4-8	SEP 8-12
AUG 11-15	SEP 15-19
AUG 18-22	SEP 22-26
AUG 25-29	

Seats fill fast - secure yours today and register for HMRT

REGISTER TODAY

AVOID DISRUPTIONS IN YOUR PRODUCTION WITH PERFORMANCE ASSURANCE.

As the seasons change, so do the demands on your equipment. Did you know that fluctuations in temperature can cause your OMAX's high-pressure lines and fittings to expand and contract, leading to leaks, wear, or even sudden failure? Now's the perfect time to take action.

The Phillips Federal Life Cycle Team is here to keep your OMAX system in optimal condition. From expert inspections to reliable replacement parts, we're your partners in protecting uptime and avoiding costly repairs. Whether you're preparing for the season or already seeing early warning signs, we've got your back. Reach out today to schedule your seasonal maintenance check

Here are a few proactive steps you can do to keep your system running strong:

- **Inspect high-pressure lines and fittings** for signs of leaks, cracks, or loose connections.
- **Tighten and replace any worn or damaged parts** to maintain peak safety and performance.
- **Schedule Preventive Maintenance** to reduce the risk of unplanned downtime and extend your machine's lifespan.

Email **FederalLifeCycle@phillipscorp.com** to connect with Life Cycle associaite Bryce McClanahan who represents the east coast.

We partner with the world's leading manufacturers to deliver the highest quality solutions for your mission-critical needs.

Together we are empowering your success and driving innovation in every aspect of manufacturing

Haas F1 Team OFFICIAL MACHINE TOOL

Phillips ADDITIVE HYBRID POWERED BY HAAS

EOS

Markforged

OMAX A Hypertherm Associates Brand

Sodick

Bystronic

materialise

Mastercam

AURA TECHNOLOGIES

SIEMENS

3YOURMIND

InssTek

bigrep

trilogy machinery

MX

UNITED PRECISION

VERISURF 3D Measurement Solutions

Bel Air FINISHING

DELTA H

ZEISS

willi

GMA

TIMESAVERS