



York Precision
MACHINING & HYDRAULICS

Building exceptional People-Products-Place-Partners

yorkpmh.com

706 Willow Spring Lane
York, PA 17406

(717) 408-6001

NEWS

ISSUE NO 3 | Q3 2023 | VOLUME 4

"Without continual growth and progress, such words as improvement, achievement, and success have no meaning."

– Benjamin Franklin

This Quarter's Theme:

Growth



Customers are drawing on our years of experience in hydraulics for custom solutions to tough challenges.

How YorkPMH Builds Solutions

What do we mean when we say that virtually all of the work we do in design and manufacture of hydraulic components is custom? We don't have standard products sitting on the shelf. We design and build to customer requirements. We create solutions to customers' challenges. Our work might begin in the design phase, or we might be called upon to retrofit a solution into an existing design. Either way, customers are drawing on our years of experience in the hydraulics space, serving military and commercial customers with critical safety and performance needs. Here's a closer look at our solutions- built process.

1. Customer requests a custom hydraulic actuator or Bear-Loc®, typically with a load-holding or locking requirement. Our online engineering form gathers all the information needed to provide a Rough Order of Magnitude (ROM) or quote. At this stage, a YorkPMH distinctive is that, pre-sale, our Engineering team will schedule a call to answer questions and discuss the best approach to achieving a successful solution.

2. Engineering design. Upon the customer's order, most projects require engineering to design a concept and the parts to achieve the customer-approved concept. Another YorkPMH engineering distinctive is that all products are 100% tested in-house and certified that they meet customer requirements prior to shipment.

3. Project management is active in the quoting process, sourcing raw materials and pricing and accurately pricing design, machining and other services. Upon the customer's order, the Project Management team initiates a project start meeting, scoping out the entire plan and anticipating any potential challenges along the way. A YorkPMH project management distinctive is the high caliber of our communications. We keep the customer informed, take the time to answer questions, and partner with the customer to work through any unanticipated circumstances.

4. YorkPMH manufacturing. We are known for our precision, as well as for large parts and complex components machining capability. We can machine and inspect to "a thou", or a thousandth of an inch, about the width of a human hair. In terms of our machining scope, for example, with our failsafe BEAR-LOC® load-holding and locking solution, rod diameters have ranged from 1 inch to 27 inches, sleeve lengths from 2.75 inches to seven feet and lock capacities up to 4 million pounds.

5. YorkPMH quality. Our Quality team inspects to the same exacting standards. We are ISO 9001:2015 certified. Our extensive quality resources include both portable and large-scale Coordinate Measuring Machine (CMM) technologies. A YorkPMH quality distinctive is that we provide in-house non-destructive testing services, some of which—such as our water brake test stand, capable of 90,000 psi-- are unavailable elsewhere.



Q & A with Members of our Engineering and Project Management Teams

By Lauren Fisher, Administrative Support Specialist

Recently we spoke with Rob, our Engineering Manager, and Marcel, one of our Project Managers, to get an insider's view of what's special about our approach to serving customers. Here's what they had to say.

What are some ways you are able to contribute to our reputation for precision in your role?

Rob: *"For engineering, we design a long-lasting, top-quality product that meets all requirements the customer lays out. A perfect example would be an actuator that we had designed for a military customer. This customer came to us with a request for a prototype design. We sent the prototype, and the customer came back to us with feedback on how we could make the design even more efficient for them. We completed the final design, went through production and all qualifications testing, and we have now been shipping this product to this customer for years. They are really happy with it."*

Marcel: *"For project managers, the way we contribute to the reputation of precision is to ensure all outside vendors involved in the project and all materials for the project meet the spec within the drawings provided by engineering. A huge part of our role is to follow the drawings and ensure everything meets the requirements. Also, we focus on precision in timeliness. We do everything within our power to stay on-track with the project timeline and shipment."*

What is an example of a recent product/project that showcased our commitment to arriving at a great solution to a customer's challenge?

Rob: *"We had a job request for a military launcher. We had to design and manufacture this quickly because the customer was on a tight timeline. We managed to design it and get all the parts made, assembled, and tested in time for the customer. The customer was so happy with the performance*

of the product that they have already reordered, and we've even had a job request from a different customer because of how well this launcher has performed."

Marcel: "A great solution isn't always a really big thing. Sometimes it's small little things. We had a customer that needed a part to not reflect light. We came up with a manufacturing solution for how we can process the part differently, so it was not shiny. This was a big commitment on our end that took teamwork and innovation. We'll see in the future if this solution will be implemented by this customer or maybe someone new."

Another example would be a customer request for a BearLoc® with huge load holding capacity within a very small space. Part of the solution was for us to use two BearLoc®s in parallel with the cylinder in order to hold the enormous load."

What are some initiatives you are excited about that will continue to enhance our capabilities?

Rob: "We're expanding with new machinery in the shop. This will allow us to manufacture more parts in house that we were sending out of house."

Marcel: "The project management team is going to be utilizing a new software that will help us become even more efficient. It will help streamline a lot of our project management. I'm looking forward to that."

Rob: "As we continue to grow our company, we can take on more work. The larger our team is, the greater our capabilities are for production. However, we can only grow at a certain rate in order to maintain healthy growth. We're enhancing our capabilities as we grow as a company which is always exciting."





Here is the custom trunnion that is part of our new CNC mill. A trunnion holds work for 4th axis machining. It allows for lots of holding/machining variations (supported, unsupported, one sided, and multiple sides). It allows parts to be rotated to combine operations. Bottom line: the trunnion will make possible easier and faster setups.

Quality Corner - Five S

By Jeff Shellenberger, Quality Manager

We are thrilled to share a success story that has revolutionized our company's operations and empowered our teams to reach new heights.

From the very beginning, we recognized the importance of fostering a culture of continuous improvement and creating an environment that supports efficiency, productivity, and employee well-being. That's when we discovered the power of 5S—a methodology derived from Lean principles that focuses on organizing and optimizing the workplace. So, what exactly is 5S? It stands for Sort, Set in Order, Shine, Standardize, and Sustain.

Sort: We embarked on a journey of decluttering and eliminating unnecessary items from our workspaces. By organizing and categorizing equipment, tools, and materials, we created a streamlined environment that helped us identify waste, reduce costs, and save time.

Set in Order: With a clear understanding of what we needed, we designed a structured system for arranging items and creating logical layouts. Everything now has a designated place, making it easy for our employees to locate and access the tools they need promptly.

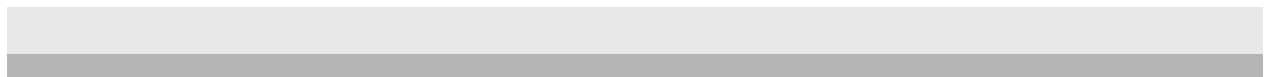
Shine: Cleanliness and maintenance play a vital role in any workplace. By instilling a sense of ownership and pride in our teams, we have created a habit of regular cleaning and equipment maintenance. The result? A sparkling and safe environment that fosters efficiency, minimizes errors, and enhances employee morale.

Standardize: To ensure consistency and sustain the gains we've made, we established standardized procedures and visual controls. Through clear visual cues, our employees can easily understand how to maintain the organization and cleanliness we have achieved. Standardization has empowered our teams to work collaboratively and continuously improve our processes.

Sustain: Change is not a one-time event; it is a journey. To sustain the positive effects of 5S, we have cultivated a culture of continuous improvement and employee engagement. Regular audits, training sessions, and feedback loops ensure that 5S remains at the forefront of our operations, driving ongoing progress and innovation.

The impact of embracing 5S has been nothing short of remarkable. Our employees feel more empowered and focused on delivering their best work. Our productivity has soared, leading to shorter lead times, increased customer satisfaction, and a significant reduction in errors and defects. Our commitment to 5S has even spilled over into our daily lives, making us more organized, efficient, and mindful individuals.

Today, we are proud to say that 5S has become an integral part of our company's DNA. It has created a solid foundation for growth, innovation, and sustainable success. We encourage you to explore the power of 5S and witness the incredible transformations it can bring to your organization. Embrace the journey, empower your teams, and unlock a world of possibilities!





New Employee and Intern at York Precision

Please join us in welcoming our new employee and intern at YPMH! From top we have Chuck, Inspector, and Daniel, Pre CNC Machinist Intern.

Chuck brings a lot of experience to his role. As an Inspector, Chuck works with other members of our team to ensure our products meet customer requirements and our ISO 1900:2015 Standard. Outside of work, Chuck likes working in his vegetable garden and cooking a variety of foods in his smoker. He has been married for 43 years and has 2 children. He also makes and plays wooden box drums!

Daniel is our Pre CNC Machinist Summer Intern. He recently graduated from Northeastern High School and comes to us highly recommended by his machining courses instructors. Outside of work, he is in the Pennsylvania Army National Guard. He also plays guitar, is good with computers and speaks Russian!



Employee Activities and Outreach

We Value the People in Our Workplace!

Our mission emphasizes trust and respect. We are also a work hard play hard culture, and we value partnerships!



Cinco De Mayo with a Twist - We had a great time during our "May the Fourth De Mayo Be With You" event this past May. This celebration on May 4th combined "May the Force (4th) be with you" and "Cinco De Mayo" for an amusing mid-day party organized by our FUN Team. We had catering from Moe's Southwest Grill and a cornhole tournament while enjoying quality time with our colleagues.

York County Economic Alliance Tours YorkPMH

We were pleased to host York County Economic Alliance (YCEA) staff members for a tour. From left to right, Michele Baker Thomas (YorkPMH), Sully Pinos (YCEA), Dan Baker (YorkPMH), Casey Nixon (YCEA) and Silas Chamberlin (YCEA).





Student Tours at YorkPMH

We enjoyed our visit with Ryan Ames of York Country Day School, class of 2023, headed to Rensselaer Polytechnic Institute for an engineering degree. Educators, remember to send us your best and brightest, like Ryan! We are invested in the next generation of manufacturing professionals, and we are happy to be a part of their career journey and exploration of this study through meaningful tours like this. We welcome groups as well as individuals!

New Lathe, New Banner

Thank you to Precision Machine Tool Solutions, LLC, who partnered with us to install and commission a new mill and lathe in the first half of this year. Celebrating this milestone in our lean transformation, Jason Stewart from PMTS presented to our Quality Manager, Jeff (left), and President, Dan (right), a banner sporting both of our logos.





YorkPMH Attends Sophomore Interview Day

YorkPMH was invited to participate in “Sophomore Interview Day” at Dallastown Area High School. Educators note, this is a terrific idea, especially for a year-end activity. A host of professionals volunteered to do practice job interviews with sophomores. The students were talented and well spoken. Kudos to the team that organizes this annually including (pictured, left) Kim Delp, College and Career Secretary, and Bill Probert, Supervisor of Secondary Programs and Services.



Congratulations!

Employee Anniversaries this Quarter

April, 2023

Michele, Business Manager, 5 years

June, 2023

Jake, Project Management Supervisor, 5 years

Jeff, Production Supervisor, 5 years



York Precision in Fluid Power Journal

Our Rotary Bear-Loc® was featured in June's issue of Fluid Power Journal, and Bear-Loc®'s application in missile launchers was featured in the July issue - both cover stories!

"When it comes to hydraulic load holding and locking, the engineering community is likely more familiar with rod locking devices. Much less known is a rotary type of hydraulic lock. In this case study, we will describe a recent application and discuss various other applications."

Supplier Highlight

This quarter we highlight a supplier who went above and beyond requirements to provide excellent service! Thank you! We value your partnership!



By Lauren Fisher, Administrative Support Specialist

This quarter we highlight a supplier who went above and beyond requirements to provide excellent service. Our highlighted supplier this quarter is RG Group, located in York, PA. RG Group designs, manufactures, sells and services fluid handling and motion control solutions and products to a broad base of customers. Their distribution and service market is the Mid-Atlantic United States and their manufacturing market is global.

YorkPMH utilizes RG Group for plugs and O-rings. Our project managers note that they are always very responsive to inquiries and the deliveries are always on time. They also provide knowledgeable and friendly customer service. You can reach RG Group at 1-800-340-0854 or visit their website <https://www.rg-group.com/>.

The tans will fade but the memories will last forever.

Wishing you and yours a very sunny and joy-filled summer!

- The York PMH Team



York Precision
MACHINING & HYDRAULICS



York Precision Machining & Hydraulics
706 Willow Spring Lane
York, PA 17406

© 2018-2023 York PMH. All Rights Reserved. |

www.yorkpmh.com