



Our Custom Hydraulic Cylinder Manufacturing Process

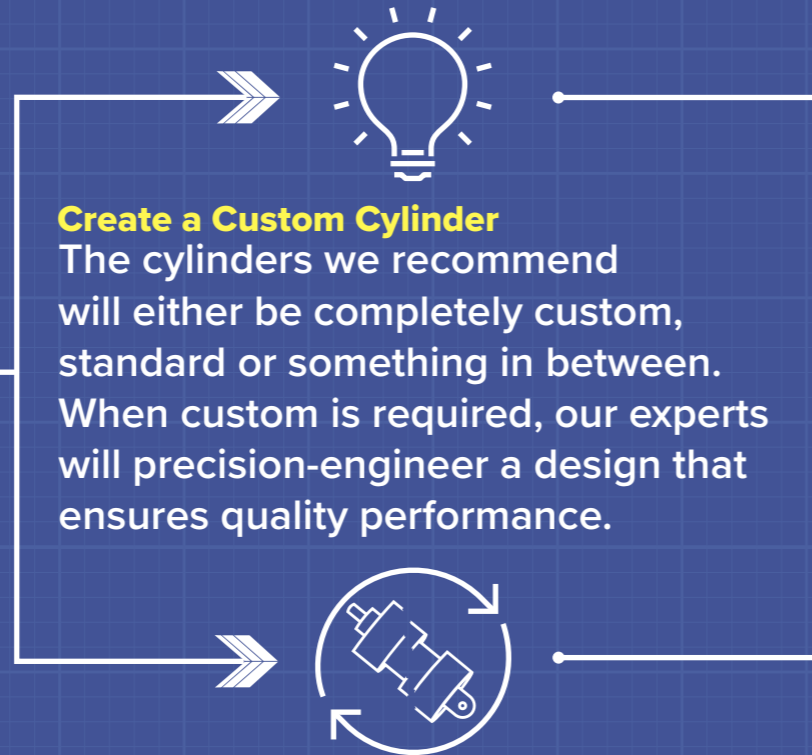
How our cylinder engineering, repair and quality departments take you from inquiry to solution.

Bore up to 30,00mm
Rod up to 2,500mm
Stroke up to 20,000mm
Pressure up to 700bar



Engineering Consultation

Our engineers and draftsmen collaborate with you right from the beginning to understand your exact cylinder requirements.

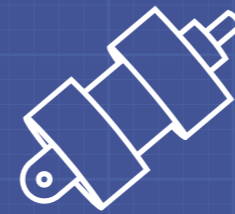


Create a Custom Cylinder

The cylinders we recommend will either be completely custom, standard or something in between. When custom is required, our experts will precision-engineer a design that ensures quality performance.

Repair & Rebuild an Existing Cylinder

Sometimes your existing cylinder is right for the job. We can repair, rebuild and refurbish it to meet the most stringent OEM specifications, regardless of manufacturer. During these early discussions, we'll identify deficiencies that, if corrected, could increase the cylinder's service life significantly.



Final Design Adjustments & Part Production

After our engineers make final design adjustments, we rely on our comprehensive machining capabilities to produce precision, high-quality cylinders and parts that will stand up in the most grueling applications.



Pre-Assembly Quality Check

A cornerstone of the entire process, these quality checks include extensive part measurement and testing to ensure total precision and ongoing performance. We follow dedicated quality control standards for the manufacture and testing of every cylinder.



Shipping

After each cylinder is built exactly to spec, tested and finished, we can set up shipping for you or contact your shipping department to make sure your cylinder arrives in a timely manner.



Painting & Finishing Services

Aesthetics and details matter. We will provide any painting and finishing services you may need right here in our own facility. Specialty paints and packaging for export shipments are available upon request.



Testing & Quality Inspection

We follow dedicated quality control standards, administer stringent functionality and pressure tests and conduct total testing on all of our finished products.



Assembly

Each precision part is assembled precisely to spec within our 38,000-square-meter production facility.