



Excellent Performance
Under Pressure

About O.E.

Founded in 1996, OE Manufacturing is one of the most established hydraulic cylinder manufacturers in the region.

For more than 20 years, our customer-centric focus and commitment to quality has garnered the recognition in the hydraulic industries.

Now, with the advent of technology, innovation is absolutely essential, hence, significant investment has been made on R&D initiatives in O.E. Manufacturing, with a successful breakthrough in developing smart cylinders by incorporating high pressure proximity sensors into hydraulic cylinders and in developing ceramic coated cylinders after a series of tests and research as testament to its R&D capabilities.

The O.E. Mission

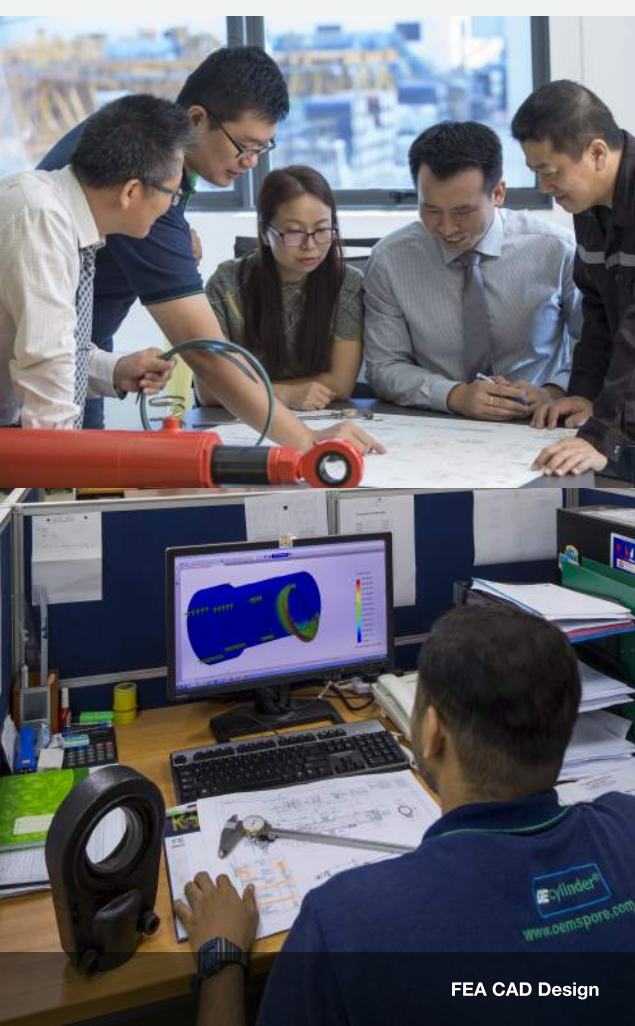
O.E. is committed to creating a sustainable business by being customer focussed. Through this, we strive to maintain leadership in the market place.

The O.E. Vision

OE shall extend its global presence by reaching out to the world. We will continue to invest in R&D to bring about better products for our customers.



ecylinder®
www.oemcylinders.com



FEA CAD Design

From Concept to Design

Our engineers use top-end 3D CAD software with FEA (Finite Element Analysis) function to design our cylinders and simulate the actual load condition of a component to reduce the risk of failure from concept to design.

Our Manufacturing Process

The production process elaborately includes CNC machines. The combination of the best machines and a well-trained workforce ensures the manufacturing of the best products. It enforces consistent and high quality standards on each and every cylinder from our factory to our clients. Furthermore, all our welding processes are qualified and approved by DNV, the external third party.



Honing machine



Quality Assurance - From Us to You



At OE Manufacturing, we take pride in our Manufacturing Process. At every step of our process, we emphasize on critical inspection and total traceability.

Our raw materials are sourced from reputable and approved vendors who are subjected to stringent vendor approval processes.



Every cylinder then goes through a series of quality assurance tests and checks to ensure dimensional conformance and high operational performance exceeding quality expectations.

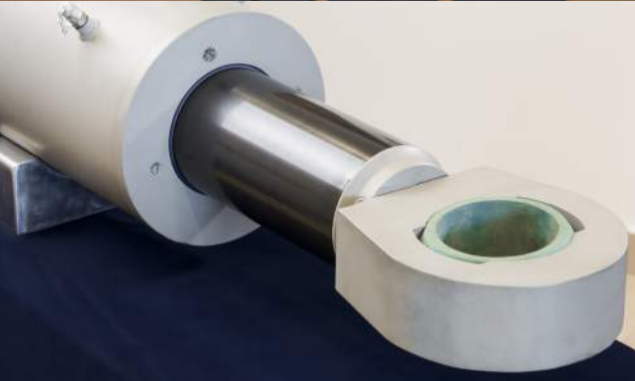


We use Coordinate Measuring Machines (CMM) to inspect complicated cylinder parts for dimensional conformance.



Every finished cylinder undergoes a leak-free pressure test and finally gets stamped with a unique serial number as our promise of assurance to our clients for total traceability.





Ceramic coating



Into the Sustainable Future...

At O.E., we strongly believe that innovation is critical in staying ahead of the game in the hydraulic cylinder industry. With a dedicated in-house R&D lab equipped with essential testing equipment, including a corrosion testing unit which goes in accordance to world standard – ASTM B117, we are well prepared to break new frontiers and building an innovative culture within the company.

Ceracote Technology – A Ground-breaker in the Hydraulic Cylinder Industry

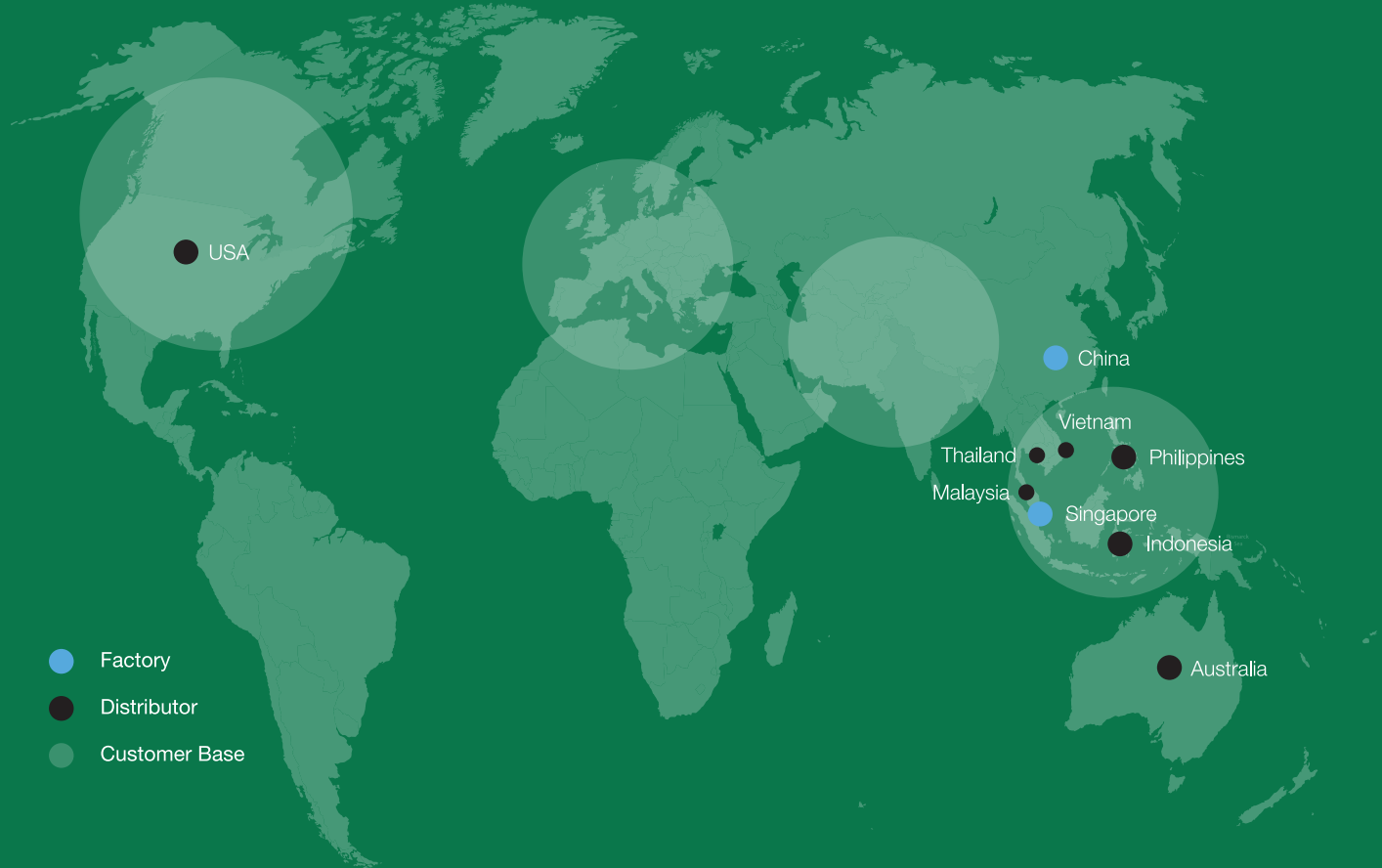
As part of our R&D efforts, we have collaborated with government research agencies to develop Ceracote, a ceramic coated hydraulic cylinder built to withstand high corrosion.

Using advanced surface coating technology to coat ceramic on the piston rod, we are able to produce cylinders with extremely high resistance to corrosion attacks and wear by abrasion. Such cylinders are especially useful in marine and offshore applications.

Our tests have shown that our ceramic-coated piston rods on our cylinders are able to achieve a corrosion resistance of a minimum of 1000 hours and up to 2000 hours, about 20 times for resistant than traditional coatings like hard chrome

Our Reach

Our geographical reach extends all boundaries. In addition to a regional office in Wuxi, China, we have distributors and clients in different regions like Western Europe, Scandinavia, North America, Middle-East and South-East Asia, amongst other regions.



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