



# Custom Cylinder Manufacturing

---

## Hydraulic Press Cylinder Business Case

**LPR GLOBAL**

*Your Connection to Korean Manufacturing and Industrial Equipment.*

[www.LPRGlobal.com](http://www.LPRGlobal.com) | [www.USKoreaHotlink.com](http://www.USKoreaHotlink.com)



# Custom Hydraulic Press Cylinder

## Replacement Hydraulic Press Cylinder

As a Tier 1 vendor to POSCO Steel, our custom cylinder supplier relationship with the leading steelmaker began with a single order for **replacement hydraulic cylinders**.

At the time, POSCO worked with a German supplier whose lead time was 6-10 months. During an emergency, POSCO reached out to our Korean manufacturer for **hydraulic press cylinders**. We manufactured the replacement hydraulic cylinders with significant lead time reduction.

Since then, clients like POSCO and Hyundai Steel have been choosing our cylinders over German, U.S., and Italian suppliers for our price and lead time advantages.



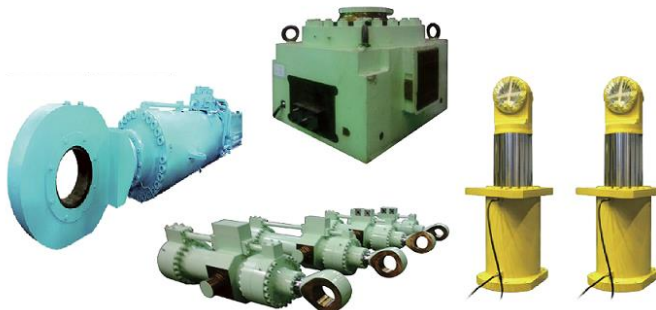
**Hydraulic Forging Press Cylinder**

Press Capacity: 5000 Tons



**Hydraulic Steel Slag Compression Cylinder**

Bore Diameter: 21" / 532mm



Contact us at: +1 416-423-5590 | [info@lprglobal.com](mailto:info@lprglobal.com)

<https://www.uskoreahotlink.com/products/manufacturing/steel-mill-large-bore-cylinders/>



# Custom Hydraulic Press Cylinder

## Long-Term Advantages of Our Custom Heavy-Duty Cylinders

Short Lead Time

Competitive Pricing

Superior Quality

Initially, the client was attracted to our short lead time, competitive pricing, and prompt aftersales support. After purchasing and installing our LPR Global's replacement hydraulic cylinders, **high manufacturing quality** became a top reason for the ongoing partnership.

Since our first replacement order in 2016, POSCO Steel has been a repeat client for our custom hydraulic press cylinders. They benefit from the wide array of auxiliary options, including:

- Depth control
- Pressure reversal
- Position sensing

Hitachi Zosen Corporation (HITZ) and a U.S. Marine Engineering Firm are amongst our notable **repeat clients for hydraulic press cylinders**. We have been fulfilling repeat cylinder orders of 21-in. (532 mm) for Hitachi Zosen and 14-in. (350 mm) large bore cylinders for the U.S. Marine Firm for several years.



Contact us at: +1 416-423-5590 | [info@lprglobal.com](mailto:info@lprglobal.com)

<https://www.uskoreahotlink.com/products/manufacturing/steel-mill-large-bore-cylinders/>



# Custom Hydraulic Press Cylinder

## Hydraulic Press Cylinder Specification Ranges

From a single hydraulic press cylinder to several dozens of cylinders, we manufacture any order quantity for our OEM clients.

Our typical hydraulic press cylinder falls within the following range:

	Imperial Units	Metric Units
<b>Bore Size (Inner Diameter)</b>	11 inches to 28 inches	300 mm to 700mm
<b>Stroke Length</b>	3 ft. to 36 ft.	1 m to 11 m
<b>Operating Pressure</b>	Up to 5,000 PSI	Up to 350 bar

Our heavy-duty cylinders are used in hydraulic press machines of up to 10,000-ton capacities. Our typical cylinder fluids include VG46 mineral-based hydraulic oil (high performance oil), water glycol, and bio-based hydraulic oils, and we can accommodate to our clients' specific requests.



**Main Cylinders for Hydraulic Forging Press**

Press Capacity: 5000 Tons





# Custom Hydraulic Press Cylinder

## Chrome and Nickel Plating for Corrosion and Heat Resistance

We offer **chrome plating for corrosion resistance**, as well as nickel and ceramic plating for heat and corrosion resistance.

Our custom hydraulic press clients typically request chrome plating, or **nickel-chrome plating**, to a thickness of 30  $\mu\text{m}$  – 50  $\mu\text{m}$ .

Our plating is included in our rigorous [quality control process](#) to ensure the highest quality cylinders for our clients' demanding applications.



## Hydraulic Forging Press Cylinder Installed at Client's Site

Press Capacity: 800 Tons | Servo-Hydraulic Forging Press

Contact us at: +1 416-423-5590 | [info@lprglobal.com](mailto:info@lprglobal.com)

<https://www.uskoreahotlink.com/products/manufacturing/steel-mill-large-bore-cylinders/>



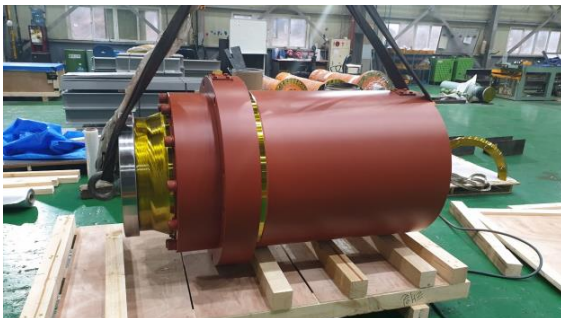
# Custom Hydraulic Press Cylinder

## Heavy-Duty Application-Based Experience

Custom hydraulic press manufacturers have been a primary client base since LPR Global began manufacturing heavy-duty hydraulic cylinder in 2014. Since then, we have established ourselves as a top supplier for hydraulic press cylinders for OEMs specializing in **baler machines, filter press, metal scrap press, hydroform** and **hydraulic forging press machines**.

Our OEM clients serve a variety of end-user press manufacturers in the shipbuilding, metal recycling, wastewater treatment, automotive, and steel mill industries.

In addition to custom heavy-duty hydraulic cylinders, we also provide **Counterbalancing Air Cylinders** and Hydraulic Power Units (HPUs) upon request.





**Contact us at:**

+1 416-423-5590

[info@lprglobal.com](mailto:info@lprglobal.com)

**LPR GLOBAL**

*Your Connection to Korean Manufacturing and Industrial Equipment.*

[www.lprglobal.com](http://www.lprglobal.com) | [www.uskoreahotlink.com](http://www.uskoreahotlink.com)

**Headquarters:**

607-344 Bloor St W.  
Toronto, ON M5S 3A7  
Canada