



Technical Capacity Report

Juding Heavy Industry | 2026

Technical Capacity

Manufacturing Capability	Maximum Capacity	Manufacturing Capability	Maximum Capacity
Hard Chrome Plating	Ø2,500 × 6,000 mm; Ø1,000 × 23,000 mm	CNC Vertical Machining (3+1 Axis)	2,000 × 1,500 × 1,000 mm × 10 t
Nickel-Boron Plating	Ø1,000 × 23,000 mm	CNC Vertical Machining	1,000 × 600 × 800 mm × ±100° × 0.001° × 2 t
Stress Relieving	2,000 × 2,000 × 2,000 mm @ 650°C; Ø1,500 × 16,000 mm, 350°C	Vertical Turning	Ø1,600 × 1,000 mm
Internal Honing	Ø2,000 × 20,000 mm	Conventional Turning	Ø1,600 × 6,000 mm × 6 t; Ø1,000 × 14,000 mm × 10 t
External Honing	Ø1,000 × 20,000 mm	Deep Hole Drilling & Boring	Ø100–250 × 3,000 mm; Ø100–350 × 12,000 mm; Ø150–1,500 × 18,000 mm
Belt Grinding	Ø2,500 × 20,000 mm	Overhead Crane Capacity	Up to 150 t
Cylindrical Grinding	Ø2,500 × 20,000 mm	Welding	Up to 1,250 A
CNC Turning	Ø3,500 × 20,000 mm × 200 t; Ø2,500 × 16,000 mm × 40 t; Ø1,400 × 5,000 mm × 6 t	Hydraulic Testing	350 bar @ 1,000 L/min
CNC Horizontal Machining	3,000 × 10,000 mm × +15°/-100° × 0.001° × 200 t	Non-Destructive Testing (NDT)	PT, MT, UT, VT — Level 2

Quality Assurance & Innovation

Quality-driven manufacturing, innovation-led development.

Integrated Management System AND Patented Hydraulic Technologies

Our quality management system is certified to ISO 9001, supporting consistent manufacturing processes, quality control and continuous improvement.

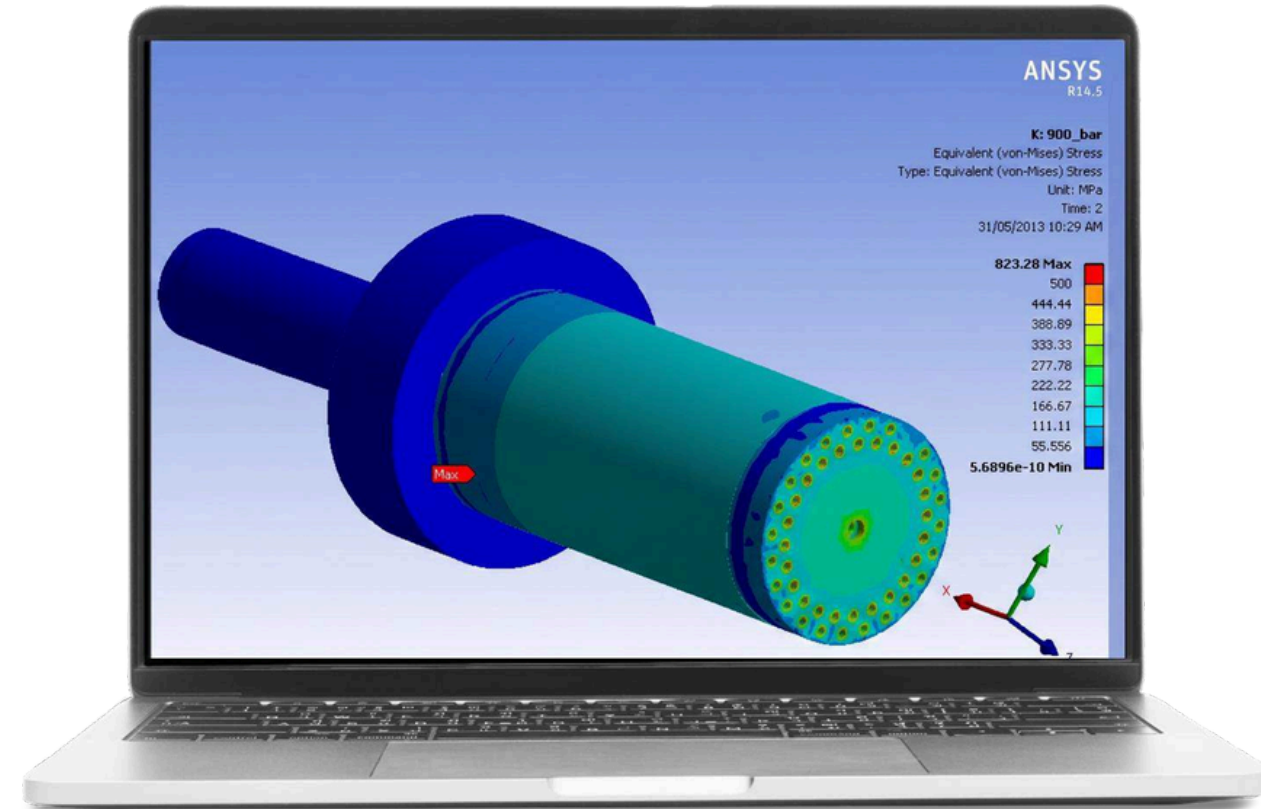
Through continuous engineering development, Juding has also obtained multiple patents covering hydraulic cylinder design, manufacturing processes and related technologies.





Design & Analysis

CAD: SOLID WORKS, AUTOCAD, SPACECLAIM
CAM: SOLID CAM, FUSION 360, CIMATRON
FEA: ANSYS MECHANICAL
CFD: CFX / ANSYS FLUID
MANUS SIM





Precision Under Pressure
Let's talk about your next challenge.

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