

**WOODINGS**  
INDUSTRIAL



# THE HYDRAULIC DISTRIBUTOR







# PROUDLY INTRODUCES THE HYDRAULIC DISTRIBUTOR



## EXCLUSIVE SOURCE FOR BETTER BURDEN DISTRIBUTION

An exclusive Woodings design, the Hydraulic Distributor (HD) is the next generation replacement for traditional bell-less tops. The HD--the jewel of Woodings Hydraulic Charging Unit--provides more precise, repeatable burden distribution. Designed with fewer moving components, the technologically superior unit functions with greater reliability and longevity.



Through a joint Technology Cooperation Agreement with Baotou Iron and Steel (Group) Co., Ltd, Woodings has exclusive rights to deliver this technology to blast furnace facilities anywhere outside mainland China.

## BETTER IDEA, BETTER BENEFITS

One of the truly unique features of the Hydraulic Charging Unit system is the Hydraulic Distributor design, which is interchangeable with existing bell-less top gearboxes as an upgrade/retrofit.

In this design, hydraulic cylinders replace the traditional mechanical function for tilting the revolving chute. Rotation of the chute is accomplished with a simple gearbox and electric motor. This eliminates all complex tilt drives and gear reducers and provides a more accurate method of controlling burden distribution in the blast furnace which, ultimately, provides a more stable operation.



The Hydraulic Distributor design includes a reliable and effective shower water cooling system with a proven operating record of reliability under extreme blast furnace top conditions.

The benefits of this system are impressive:

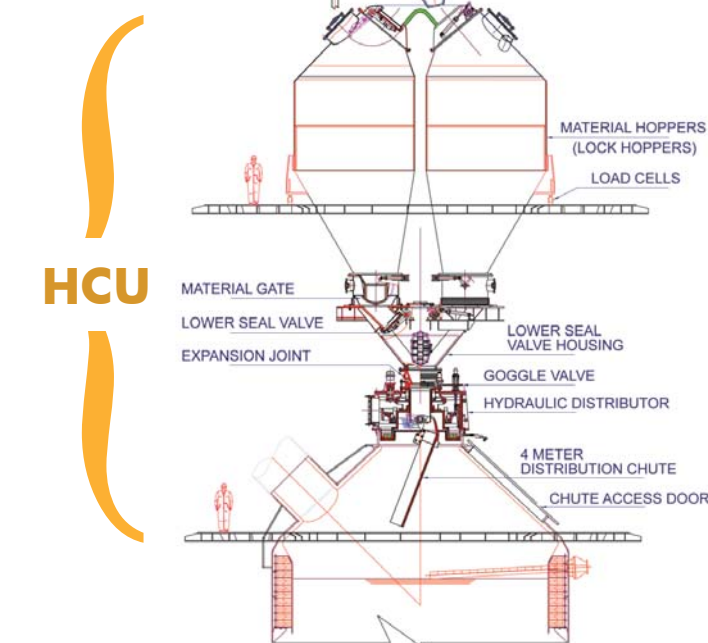
- **Better furnace reliability**
- **Increased furnace top pressure**
- **More consistent operation**
- **Less maintenance**
- **Increased fuel savings**
- **Improved gas and heat protection**

## BETTER DESIGN, BETTER SAVINGS

The Hydraulic Distributor and the overall HCU system offers substantial Capital Expenditure (CAPEX) and Operational Expenditure (OPEX) savings when compared to other systems. This is mainly due to a more modern design that utilizes efficiencies of electro-hydraulic technology.

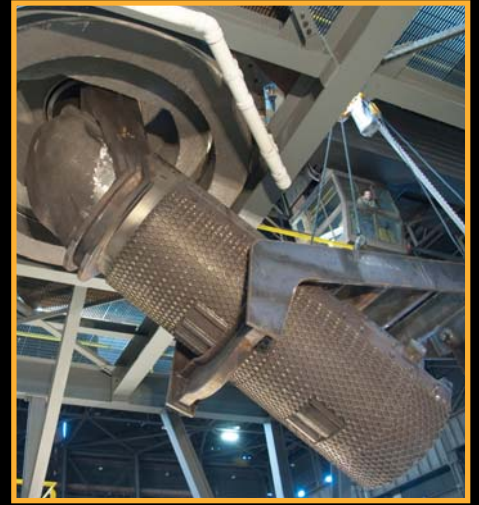
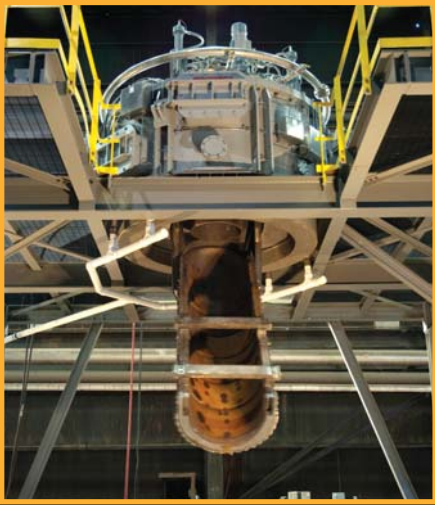
Bottom line: Woodings can provide you with a system that is truly a better alternative.

### HYDRAULIC CHARGING UNIT



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## WORLD CLASS EQUIPMENT FOR THE WORLD

**Bringing the most reliable, most innovative hot metal equipment to applications throughout the world.**

With extensive global experience and technical expertise, Woodings Industrial offers innovative solutions for virtually any hot metal need and delivers reliable equipment for the world's most demanding applications.

Utilizing the most current technologies, Woodings designs, engineers and manufactures a complete line of traditional and not-so-traditional hot metal equipment that will achieve greater productivity and increased profitability.

When you need a proven, reliable source, Woodings is ready. With a dedicated network of sales, service, and working offices worldwide, as well as global joint venture partners, we can immediately respond to your needs with speed, accuracy and a full capability.



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