ISC UDYOG LIMITED

Scrap Lifting Magnet

Product Overview

Heavy-duty electromagnetic lifting solution designed for efficient handling of scrap metal in steel plants and recycling facilities. Built with robust construction to withstand continuous industrial operations.

Engineered for maximum lifting capacity and reliability, ensuring safe and efficient material handling in demanding environments.

High Capacity

Powerful magnetic force for heavy scrap

Durable Design

Built for continuous operations

Billet Lifting Magnet

Precision Handling

Lifts billets with accuracy

Safe Operations

Secure grip, controlled movement

Product Overview

This magnet is designed for lifting billets in steel production. It offers precise and safe handling of hot or cold billets, even in high-temperature factory settings.

Furnace Scrap Poker

Product Overview

Robust mechanical tool designed for pushing and positioning scrap material inside furnaces during steel melting operations. Essential equipment for optimizing furnace charging and improving melting efficiency.

Constructed with heat-resistant materials to withstand extreme furnace temperatures while providing operators with safe, effective control over scrap positioning.

Heat Resistant

Withstands extreme furnace temperatures

Operator Safety

Designed for safe remote operation

Efficient Charging

Optimizes furnace loading process

Electro Hydraulic Grab

Product Overview

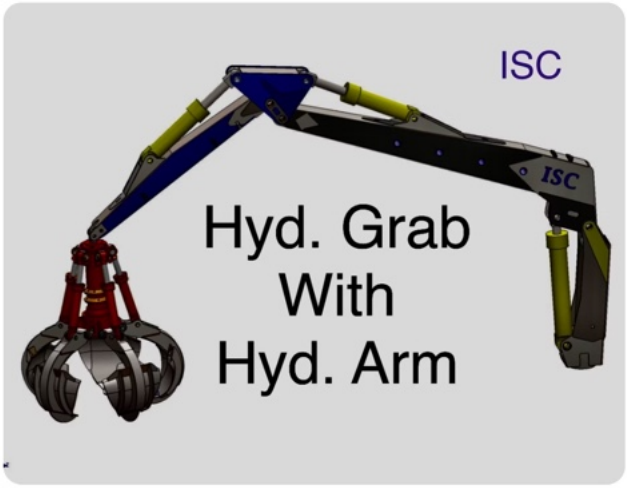
The Electro Hydraulic Grab is a high-performance material handling solution designed for steel plants and heavy industrial applications. This robust grab combines electrical and hydraulic systems to deliver powerful gripping force and precise control for handling bulk materials, scrap metal, and other industrial loads.

Engineered with European technology standards, this grab ensures reliable operation in continuous duty cycles and harsh working environments.

Key Features

- Heavy-duty construction for continuous operations
- Electro-hydraulic control system for precision
- High gripping force capacity
- Suitable for various bulk materials
- Low maintenance design
- Proven performance in steel plant environments

Grab for use on Excavator



Product Overview

The Grab for use on Excavator is a versatile attachment designed to transform standard excavators into powerful material handling machines. This grab is specifically engineered for steel plants, scrap yards, and industrial facilities where efficient loading and sorting of materials is critical.

Compatible with various excavator models, this grab attachment provides exceptional gripping power and durability for demanding applications.

Key Features

- Universal mounting system for excavators
- Robust construction for heavy-duty use
- Excellent material retention capability
- Ideal for scrap handling and sorting
- Quick attachment and detachment
- Optimized jaw design for maximum efficiency

Grab Bucket Used for Mill Scale Removal

Product Overview

The Grab Bucket Used for Mill Scale Removal is a specialized industrial tool designed specifically for steel manufacturing facilities. Mill scale, the flaky surface of hot rolled steel, requires efficient removal and handling, and this grab bucket is engineered precisely for this challenging application.

This equipment ensures clean and efficient mill scale collection, contributing to improved plant operations and material recovery processes.

Key Features

- Specialized design for mill scale handling
- High-strength construction for abrasive materials
- Efficient material collection and retention
- Reduces manual labor and improves safety
- Durable wear-resistant surfaces
- Optimized for steel plant environments

Hot Billet Shear – Horizontal

The Horizontal Type Hot Billet Shear is engineered for precision cutting of hot billets in continuous casting operations. This robust machine features a horizontal blade configuration that delivers clean, accurate cuts with minimal material deformation, ensuring optimal billet quality for downstream processing.

Designed for heavy-duty steel plant environments, this shear handles high-temperature billets with exceptional reliability and minimal maintenance requirements. The horizontal design provides excellent accessibility for operation and maintenance while maintaining the structural integrity needed for continuous production cycles.

Heavy-Duty Construction

Built to withstand continuous high-temperature operations in demanding steel plant environments

Precision Cutting

Horizontal blade configuration ensures clean cuts with minimal material waste and deformation

Easy Maintenance

Accessible design allows for quick servicing and blade replacement with minimal downtime

Hot Billet Shear – Vertical

The Vertical Type Hot Billet Shear offers a space-efficient solution for cutting hot billets with a vertical blade movement system. This configuration is ideal for facilities with limited floor space while maintaining the cutting power and precision required for high-quality billet production.

The vertical design provides superior force distribution and excellent cutting efficiency, making it particularly suitable for processing various billet sizes and grades. Its compact footprint combined with robust construction makes it a preferred choice for modern steel plants optimizing their production layouts.

Space-Efficient Design

Vertical configuration minimizes floor space requirements while maximizing cutting capability

Superior Force Distribution

Vertical blade movement ensures optimal cutting force application for clean, precise cuts

Versatile Operation

Handles multiple billet sizes and steel grades with consistent performance and reliability

Hot Billet Shear – Diagonal

The Diagonal Type Hot Billet Shear represents an advanced cutting solution that combines the benefits of both horizontal and vertical configurations. The diagonal blade movement provides enhanced cutting efficiency and reduced material stress during the shearing process, resulting in superior billet quality.

This innovative design minimizes cutting forces while maximizing precision, making it ideal for high-volume production environments where billet quality and operational efficiency are paramount. The diagonal approach reduces blade wear and extends service life, lowering overall operating costs.

01

Advanced Blade Geometry

Diagonal cutting action reduces material stress and improves cut quality compared to traditional designs

02

Extended Blade Life

Optimized force distribution minimizes blade wear, reducing maintenance frequency and costs

03

High-Volume Efficiency

Designed for continuous operation in demanding production environments with minimal downtime

Scrap Charging Trolley for Induction Furnace

Efficient Scrap Material Handling

The Scrap Charging Trolley for Induction Furnace is a specialised material handling solution designed to efficiently load scrap metal into induction furnaces. Featuring a large metal hopper and powerful blue hydraulic cylinder system, this trolley streamlines the charging process and enhances operational efficiency.

Built with robust orange-painted steel construction, the trolley can accommodate large volumes of metal scrap, including rectangular blocks and containers. The hydraulic tilting mechanism ensures controlled, safe discharge of materials into the furnace, minimising manual intervention and improving workplace safety.

Hydraulic Tilting System

Powerful advance hydraulic cylinder enables smooth, controlled material discharge

Large Capacity Hopper

Accommodates substantial volumes of scrap metal for efficient batch processing

Industrial-Grade Construction

Heavy-duty design withstands demanding factory environments and continuous use

Ladle Transfer Car

Robust Material Handling Solution

The Ladle Transfer Car is engineered for safe and efficient transportation of molten metal ladles within steel plants. Built with heavy-duty industrial-grade materials, these transfer cars ensure smooth movement of extremely heavy loads across production floors.

Designed for continuous operation in high-temperature environments, our transfer cars feature precision control systems and robust construction that guarantees reliability and safety in critical steel manufacturing processes.

Heavy Load Capacity

Engineered for extreme weights

Precision Control

Smooth, safe operation

Durable Design

Built for continuous use

Ladle Sequence Car

Advanced Ladle Management System

The Ladle Sequence Car represents a sophisticated solution for organizing and managing multiple ladles in steel production facilities. This complex metal structure is designed to work seamlessly with overhead crane systems, enabling efficient sequencing and positioning of ladles throughout the manufacturing process.

> **Our Ladle Sequence Cars are built to withstand the most demanding steel plant environments, ensuring optimal workflow and maximum productivity.**

01

Seamless Integration

Works perfectly with existing crane systems and plant infrastructure

02

Efficient Sequencing

Optimizes ladle positioning for streamlined production workflows

03

Heavy-Duty Construction

Engineered to handle extreme loads and high-temperature operations

Vibro Feeder for Furnace

Precision Material Feeding Technology

The Vibro Feeder for Furnace is an advanced material feeding system designed to deliver consistent, controlled flow of raw materials into furnaces. Painted in distinctive green and yellow industrial colors, this machine combines a robust hopper with a sophisticated vibrating conveyor mechanism mounted on precision tracks.

The system features a large, curved dark conveyor belt that uses vibratory motion to ensure uniform material distribution. This technology eliminates bridging and ensures continuous, reliable feeding, which is critical for maintaining optimal furnace performance and product quality in steel manufacturing operations.

Key Advantage: The vibratory feeding mechanism prevents material bridging and ensures consistent flow rates, eliminating production interruptions and optimising furnace efficiency.

Permanent Magnet – Tramp Iron Separator

Product Overview

Advanced permanent magnet system designed to remove tramp iron and ferrous contaminants from material streams. Ensures product purity and protects downstream equipment from damage caused by unwanted metal particles.

Energy-efficient solution requiring no electrical power, utilizing high-strength permanent magnets for continuous, maintenance-free operation in industrial processing lines.

Equipment Protection

Prevents damage to crushers, mills, and processing equipment

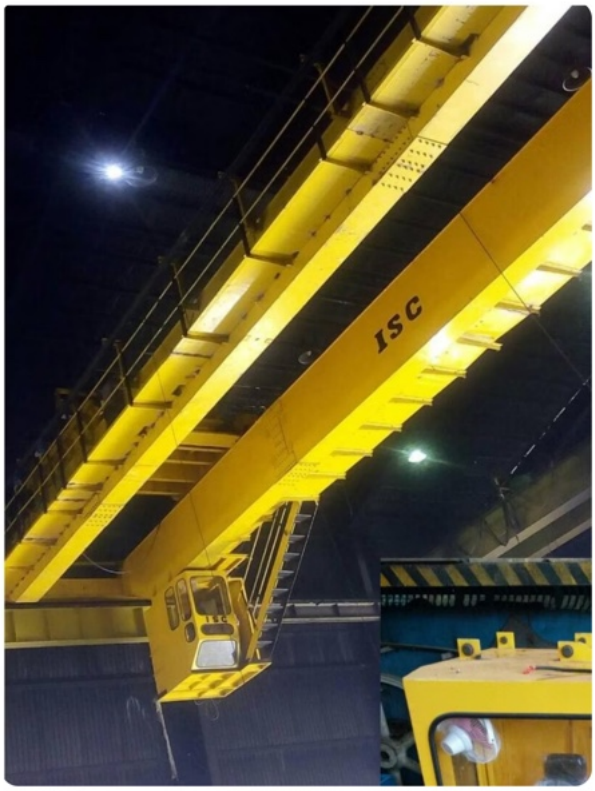
Zero Power Consumption

Permanent magnet technology eliminates electricity costs

Low Maintenance

Reliable performance with minimal upkeep requirements

EOT Crane



Electric Overhead Traveling Crane Systems

The EOT (Electric Overhead Traveling) Crane is a heavy-duty material handling solution essential for steel plant operations. Featuring a distinctive yellow beam marked with the ISC logo, this crane system provides reliable overhead lifting and transportation of heavy loads throughout the facility. The crane includes a sophisticated operator's cab with clear visibility windows and advanced control panels for precise load management.

Designed for continuous operation in demanding industrial environments, our EOT cranes combine robust structural engineering with modern control technology. The operator's station is ergonomically designed with clear windows providing excellent visibility, comprehensive control panels, and safety features that ensure efficient and safe material handling operations.

Structural Excellence

Heavy-duty yellow beam construction with ISC branding, engineered for maximum load capacity

Precision Control

Advanced control systems enable accurate positioning and smooth load handling

1 2 3 4

Operator Comfort

Spacious cab with clear windows, ergonomic controls, and excellent visibility for safe operations

Safety Features

Comprehensive safety systems protect operators and materials during all lifting operations

Why Choose ISC Machines?

When you partner with ISC Machines, you're choosing a manufacturer committed to delivering exceptional quality, reliability, and support throughout the entire lifecycle of your equipment. Our proven track record around the World demonstrates our dedication to customer success.

1

60+ Years Industry Expertise

Six decades of specialised experience in designing and manufacturing industrial equipment for steel plants, with deep understanding of operational challenges and requirements

2

European Technology Collaboration

Strategic partnerships with European technology leaders ensure our machines incorporate the latest innovations and meet international quality standards

3

Heavy-Duty Designs for Continuous Operations

Every machine is engineered for 24/7 operation in demanding steel plant environments, with robust construction that ensures long-term reliability and minimal downtime

4

Reliable After-Sales Support

Comprehensive support network across India provides rapid response for maintenance, spare parts, and technical assistance whenever you need it

5

Proven Performance Across India & GCC and rest of the World

Successful installations in major steel plants throughout the region demonstrate our machines' ability to deliver consistent performance in diverse operating conditions

Our Commitment to Quality

Manufacturing Excellence

Every ISC machine is manufactured in our state-of-the-art facilities using premium materials and advanced fabrication techniques. Our quality control processes ensure that each component meets stringent specifications before assembly.

We employ skilled engineers and technicians who bring decades of combined experience to every project, ensuring that your equipment is built to the highest standards of precision and durability.

Customer-Centric Approach

We understand that every steel plant has unique requirements and challenges. Our team works closely with you to customize solutions that perfectly match your operational needs, space constraints, and production goals.

From initial consultation through installation and ongoing support, we're committed to being your trusted partner in achieving operational excellence and maximizing your return on investment.

Contact Us Today

Ready to enhance your steel plant operations with world-class hot billet shears? Our team of experts is standing by to discuss your specific requirements and provide customized solutions that deliver exceptional performance and value.

Visit Our Website

www.iscudyog.com

Explore our complete product range and technical specifications

Call Us

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Manufacturer of Heavy-Duty Industrial Equipment for Steel Plants Worldwide

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