



ONJ ENTERPRISES

INNOVATING SERVICE. DELIVERING TRUST.

INDUSTRIAL MACHINES

Metal Processing • Scrap Recycling • Baling • Shearing • Material Handling

PRODUCT CATALOGUE

Engineering and industrial equipment solutions for steel plants, scrap processors, recycling facilities and heavy material handling operations.

Adityapur, Jamshedpur, Jharkhand, India

About ONJ Enterprises

ONJ Enterprises provides engineering, industrial support, technical services, operations management and customer support solutions. The Industrial Machines portfolio focuses on equipment for scrap processing, metal recycling, steel plants and material handling.

Our Industrial Machine Portfolio

- Metal Shear Machine
- Scrap Moulding Machine
- Container Shear
- Portable Metal Baler
- Metal Baler
- Fixed Grapple
- Hydraulic Disassemble Bale Machine
- Metal Shear
- Metal Chip Briquetting Press
- Truck with Loading Grapple
- Pull Arm Hook Car

Industries Served

- Steel Plants & Metallurgical Industries
- Scrap Processing & Recycling
- Automotive & Foundry Industries
- Demolition & Structural Steel Recovery
- Ports, Terminals & Logistics
- Industrial Waste & Material Handling

01. Metal Shear Machine

Hydraulic Heavy-Duty Scrap Metal Shearing Solution



Product Overview

A heavy-duty hydraulic machine for cutting and processing ferrous scrap, structural steel, profiles and other metal materials into manageable sizes for recycling and further processing.

Key Features

- High-force hydraulic shearing operation
- Suitable for heavy and mixed ferrous scrap
- Designed for continuous industrial scrap-processing duties
- Configuration can be selected for required cutting size and throughput
- Manual or automated control options can be considered depending on model

Typical Applications

- Steel plants
- Scrap yards
- Metal recycling centres
- Demolition and structural steel recovery

ONJ Enterprises can offer configuration and technical selection based on the customer's material, throughput, bale/shear size, power supply and site conditions.



02. Scrap Moulding Machine

Scrap Compaction & Forming Equipment

Product Overview

Industrial equipment for compacting loose or bulky scrap into denser, easier-to-handle forms, supporting storage, transportation and recycling efficiency.

Key Features

- Hydraulic compaction technology
- Improves material density and handling efficiency
- Suitable for selected ferrous and non-ferrous scrap applications
- Machine configuration can be matched to material type and required output

Typical Applications

- Scrap processing
- Steel plants
- Recycling facilities
- Industrial waste management

ONJ Enterprises can offer configuration and technical selection based on the customer's material, throughput, bale/shear size, power supply and site conditions.



03. Container Shear

Hydraulic Container & Heavy Scrap Shearing System

Product Overview



A hydraulic shearing solution for processing shipping containers and large steel structures. Designed to reduce bulky material into sizes suitable for downstream handling and recycling.

Key Features

- Designed for large and bulky steel scrap
- Hydraulic cutting and compression functions
- PLC/automatic control can be selected for suitable configurations
- Mobile or stationary arrangements may be available depending on machine design
- Suitable for high-volume scrap-processing operations

Typical Applications

- Container recycling
- Steel scrap yards
- Demolition
- Metal recovery operations

ONJ Enterprises can offer configuration and technical selection based on the customer's material, throughput, bale/shear size, power supply and site conditions.



04. Portable Metal Baler

Mobile Scrap Metal Baling Solution

Product Overview

A portable/mobile baling solution for compacting scrap metal into dense, transport-friendly bales. Mobility can reduce material-handling steps and support operations across different work areas.

Key Features

- Mobile configuration for flexible deployment
- Hydraulic compression system
- Suitable for scrap steel and selected non-ferrous materials
- Optional integrated loading/handling equipment may be available on selected configurations
- Bale dimensions can be selected according to application

Typical Applications

- Scrap yards
- Vehicle scrap processing
- Recycling centres
- Remote or distributed scrap collection

ONJ Enterprises can offer configuration and technical selection based on the customer's material, throughput, bale/shear size, power supply and site conditions.

05. Metal Baler

Hydraulic Scrap Metal Baling Machine

Product Overview

A hydraulic metal baler designed to compress loose scrap, steel turnings, waste copper, aluminium and other suitable metal materials into compact bales for storage, handling and transport.

Key Features

- Hydraulic drive
- Manual or PLC automatic operation depending on configuration
- Different bale discharge arrangements such as front push, side push or turn-out
- Press box and bale dimensions can be customized
- Electric motor or diesel drive options may be available
- Optional chamber knives/teeth and cooling or heating systems can be considered

Typical Applications

- Steel recycling
- Scrap processing
- Foundries
- Metal recycling facilities

Indicative Technical Data

Parameter	Indicative / Available Range
Example model family	HC81 series
Nominal force	Approx. 1,250–5,000 kN on listed configurations
Indicative capacity	Approx. 1,500–11,500 kg/h depending on model/material
Drive power	Approx. 18.5–110 kW on listed configurations
Bale form	Square, rectangular, cylindrical/octagonal options depending on configuration

ONJ Enterprises can offer configuration and technical selection based on the customer's material, throughput, bale/shear size, power supply and site conditions.

06. Fixed Grapple

Heavy-Duty Hydraulic Material Handling Grapple

Product Overview



A fixed hydraulic grapple for grabbing, lifting, loading and moving scrap metal, steel, industrial waste and other bulk materials.

Key Features

- Hydraulic opening and closing
- Designed for repetitive heavy material handling
- Suitable for scrap steel and bulk industrial materials
- Operating radius and configuration can be selected for site requirements
- Can be integrated with suitable fixed handling systems

Typical Applications

- Steel plants
- Scrap yards
- Recycling plants
- Ports and terminals
- Industrial material handling

ONJ Enterprises can offer configuration and technical selection based on the customer's material, throughput, bale/shear size, power supply and site conditions.



07. Hydraulic Disassemble Bale Machin

Hydraulic Bale Processing & Dismantling Equipment

Product Overview

Hydraulic equipment intended for processing, opening, dismantling or handling compressed metal bales where downstream operations require controlled separation or further material processing.

Key Features

- Hydraulic actuation for heavy-duty bale processing
- Suitable for selected scrap and recycling applications
- Configuration can be matched to bale dimensions and material type
- Designed to support safer and more efficient material preparation

Typical Applications

- Scrap recycling
- Steel plants
- Bale processing
- Material recovery operations

ONJ Enterprises can offer configuration and technical selection based on the customer's material, throughput, bale/shear size, power supply and site conditions.

08. Metal Shear

Compact / Industrial Scrap Cutting Equipment

Product Overview

Metal shearing equipment for cutting profiles, bars, pipes and metal structures into manageable pieces for recovery and recycling.

Key Features

- Hydraulic cutting action
- Suitable for selected ferrous scrap and metal profiles
- Can be supplied in different capacities and cutting configurations
- Designed for efficient preparation of scrap before downstream processing

Typical Applications

- Metal recovery
- Scrap yards
- Fabrication scrap processing
- Recycling operations

ONJ Enterprises can offer configuration and technical selection based on the customer's material, throughput, bale/shear size, power supply and site conditions.

09. Metal Chip Briquetting Press

Metal Chip & Turning Compaction System

Product Overview

A briquetting press for compacting metal chips and turnings into dense briquettes, helping reduce bulk volume and improving storage, handling and recycling efficiency.

Key Features

- Hydraulic briquetting technology
- Designed for metal chips and turnings
- Improves material density for handling and transport
- Can support recovery of valuable metal materials
- Configuration can be selected according to chip type and required throughput

Typical Applications

- Machine shops
- Automotive manufacturing
- Foundries
- Steel and non-ferrous recycling

ONJ Enterprises can offer configuration and technical selection based on the customer's material, throughput, bale/shear size, power supply and site conditions.

10. Truck with Loading Grapple

Scrap Collection, Loading & Transportation Vehicle

Product Overview

A specialized truck-mounted material-handling solution combining transportation with hydraulic grapple loading for efficient collection and movement of scrap and industrial materials.

Key Features

- Integrated hydraulic loading grapple
- Combines loading and transportation functions
- Improves turnaround and reduces separate loading equipment requirements
- Suitable for repetitive scrap collection routes
- Vehicle and grapple configuration can be selected for application requirements

Typical Applications

- Steel plants
- Scrap collection
- Recycling operations
- Industrial logistics

ONJ Enterprises can offer configuration and technical selection based on the customer's material, throughput, bale/shear size, power supply and site conditions.

11. Pull Arm Hook Car

Hook-Lift / Pull-Arm Container Handling Vehicle

Product Overview

A specialized vehicle for loading, exchanging and transporting compatible containers or scrap collection units using a hydraulic pull-arm/hook arrangement.

Key Features

- Hydraulic pull-arm container handling
- Designed for quick container loading and unloading
- Supports flexible scrap collection and transportation
- Suitable for industrial and recycling logistics
- Vehicle/container configuration can be matched to operating requirements

Typical Applications

- Scrap collection
- Industrial waste handling
- Recycling logistics
- Steel plant material movement

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Technical & Commercial Note

The product range and indicative technical information in this catalogue have been compiled from publicly available & product information on the Gaode/BalerShear website as a reference for product-category development. ONJ Enterprises should confirm final manufacturer, model, specifications, capacity, dimensions, power, certifications, delivery terms and warranty for each quotation before issuing a commercial offer.

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