



# INDUSTRIAL SUPPLIES AND SOLUTIONS COMPANY

An ISO 9001:2015 Certified Company



*“Turning your Scrap into Green Resource”*





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Industrial Supplies and Solutions Company is an integrative company providing complete end to end solutions and supply of machineries to industries by offering a comprehensive range of Scrap Processing equipment and several consumables that are manufactured in compliance with industrial standards and norms.

### **Scrap Recycling Solutions (Shredding / Shearing / Scrap Handling):**

With more than three decades of hands-on industry expertise, ISSC is well capable of providing complete scrap processing solutions to its clients based on the requirements such as type of scrap available, production output required, space available and many more factors.

### **Features**

Savings in time, resource and energy use, and through a reduction in CO2 emissions. Transportation will become easier and cost effective due to their smaller size.



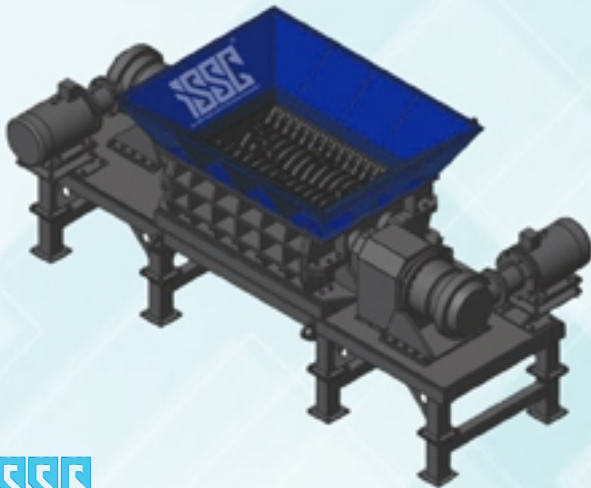
## Equipment Range

- ◆ Fully Integrated Automatic Shredding Lines
- ◆ Fully Integrated Automatic ELV Shredding Lines
- ◆ Double Shaft Shredder
- ◆ Hammer Shredder
- ◆ Gantry Shear
- ◆ Container / Continuous Shear
- ◆ Box Shear / Baler Shear
- ◆ Baler / Bundling Machines
- ◆ Stationery Rotating Scrap Yard Cranes
- ◆ Platform Cranes for furnace charging

## Consumables Range

- ◆ Copper Mould Tube
- ◆ High Speed Rolling Mill Rolls
- ◆ Graphite Electrodes

# ISSC SERIES OF SHEARS AND SHREDDERS



## ISSC Double Shaft Shredders

ISSC SHRED 1000	3 TPH Capacity
ISSC SHRED 1200	5 TPH Capacity
ISSC SHRED 1400	5 to 8 TPH Capacity
ISSC SHRED 1600	10 TPH Capacity
ISSC SHRED 1800	10 to 12 TPH Capacity
ISSC SHRED 2000	15 TPH Capacity
ISSC HYDRA SHRED	Upto 30 TPH Capacity

## ISSC Hammer Mill Shredders

ISSC SHRED H1300	5 TPH Capacity
ISSC SHRED H1600	5 to 8 TPH Capacity
ISSC SHRED H315	8 to 10 TPH Capacity
ISSC SHRED H450	10 to 15 TPH Capacity
ISSC SHRED H630	15 to 20 TPH Capacity
ISSC SHRED H800	18 to 20 TPH Capacity
ISSC SHRED H900	20 to 25 TPH Capacity
ISSC SHRED H2000	25 to 30 TPH Capacity
ISSC SHRED H3000	30 to 40 TPH Capacity



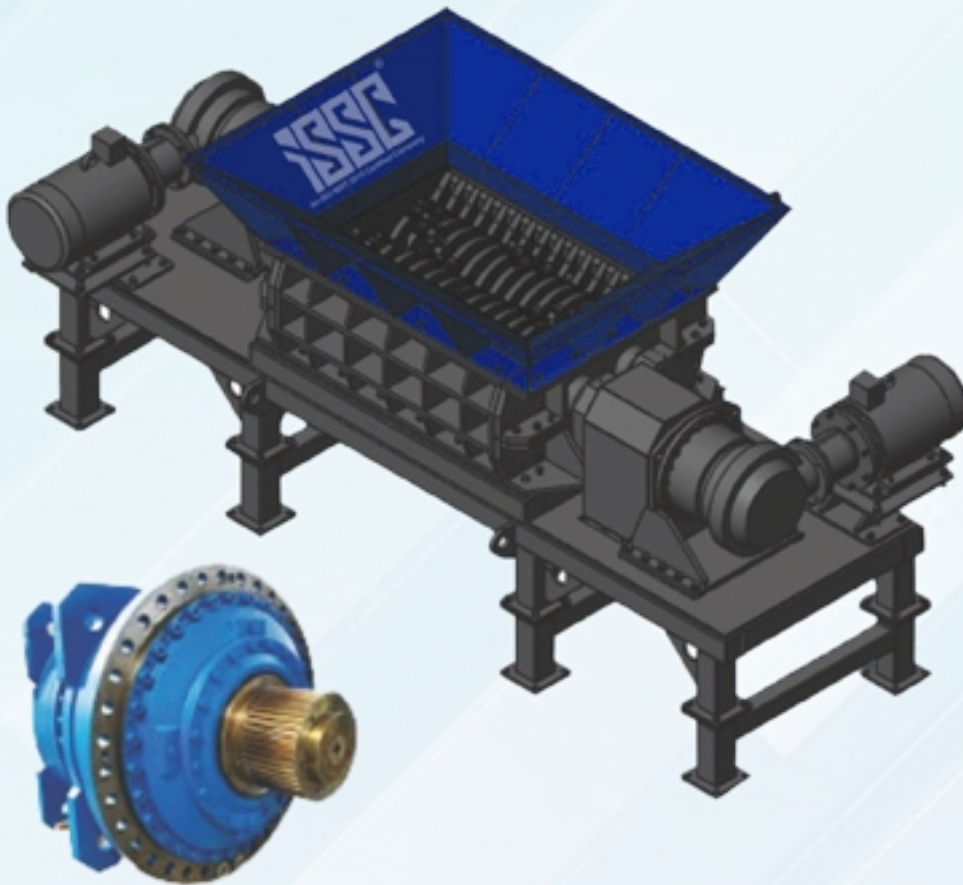
## ISSC Gantry Shears

ISSC SHEAR G500	6 to 10 TPH Capacity
ISSC SHEAR G630	10 to 15 TPH Capacity
ISSC SHEAR G880	16 to 21 TPH Capacity
ISSC SHEAR G1000	20 to 25 TPH Capacity
ISSC SHEAR G1250	25 to 30 TPH Capacity
ISSC SHEAR G1600	28 to 32 TPH Capacity

## ISSC Continuous Shears

ISSC SHEAR 400	4 to 7 TPH Capacity
ISSC SHEAR 500	7 to 10 TPH Capacity
ISSC SHEAR 630	Upto 12 TPH Capacity
ISSC SHEAR 800	15 to 20 TPH Capacity
ISSC SHEAR 880T	15 to 22 TPH Capacity
ISSC SHEAR 1000	18 to 20 TPH Capacity
ISSC SHEAR 1250	20 to 25 TPH Capacity
ISSC SHEAR 1500	25 to 30 TPH Capacity





## **ISSC** DOUBLE SHAFT SHREDDER

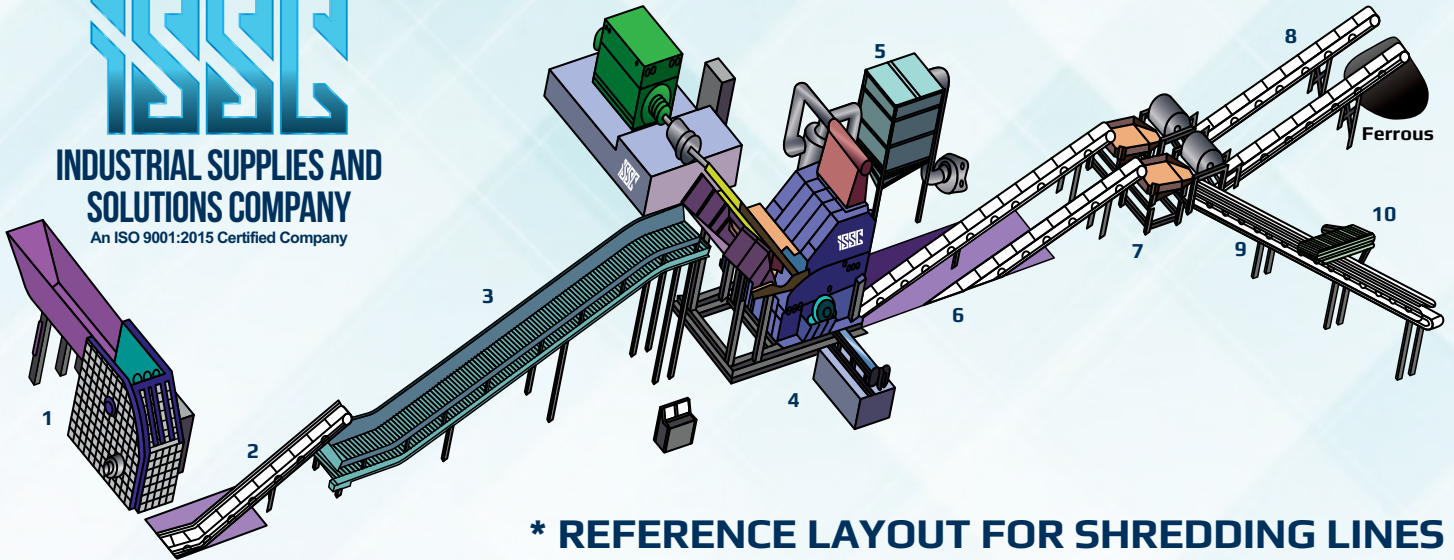
- ◆ H 13 Blades
- ◆ Hexagonal / Octagonal Shaft
- ◆ Double row self-aligning roller bearing with locking sleeve
- ◆ Automatically reverse when electric current overloaded, Emergency Stop



<b>Capacity</b>	2 tons per hour onwards	Parameters customizable as per client requirement
<b>Output Scrap Size</b>	100 mm - 250 mm	
<b>Control</b>	Fully automatic PLC Control	
<b>Type of Plate</b>	Hexagonal / Octagonal Blade	



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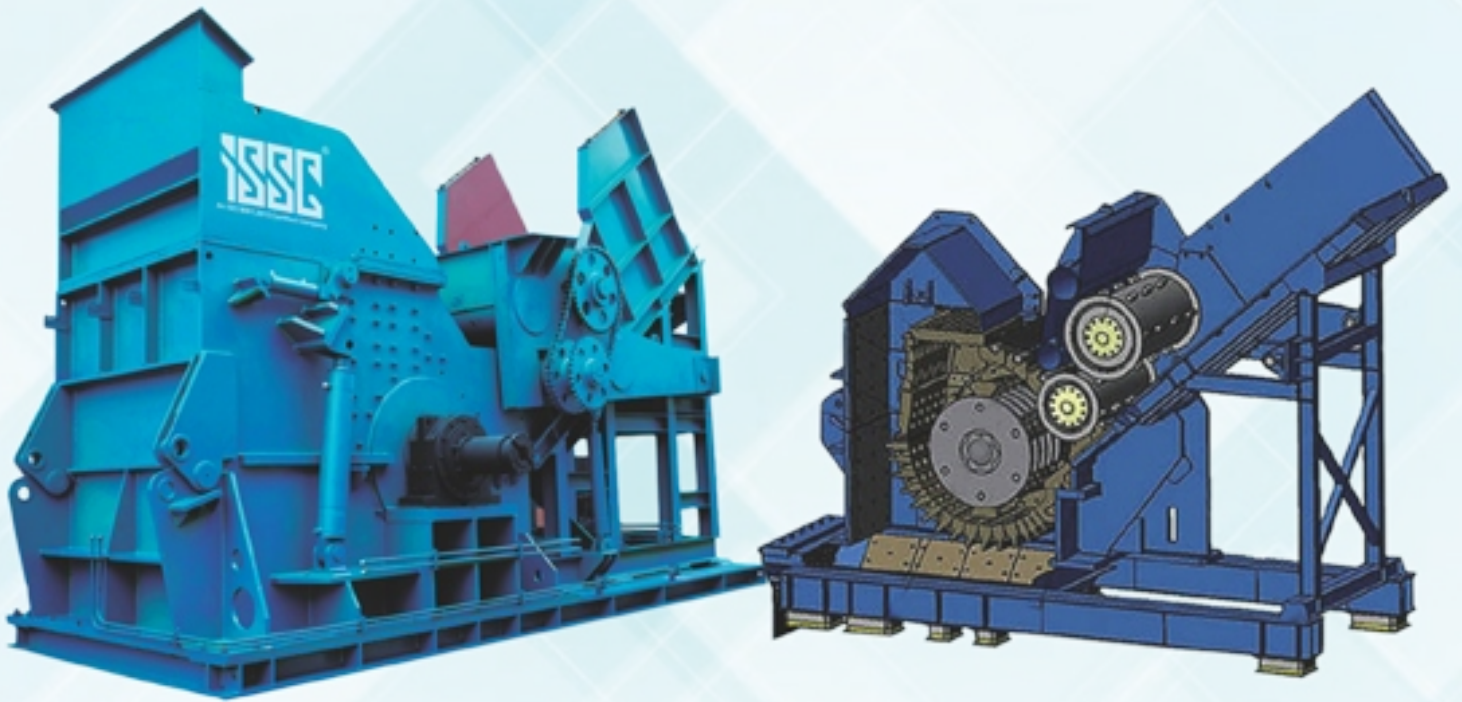
**\* REFERENCE LAYOUT FOR SHREDDING LINES**

**\* FULLY AUTOMATIC INTEGRATED SHREDDING LINES**

1. Pre Shredder
2. Output Metal Conveyor
3. InFeed Metal Conveyor
4. Hammer Shredder
5. Dust Extraction System
6. Vibration Discharger with Output Conveyor
7. Vibration Feeder with Magnetic Drum Separator
8. Iron Output Conveyor
9. Impurity Conveyor
10. Magnetic Iron Remover with Conveyor

**FULLY INTEGRATED AUTOMATIC ELV SHREDDING LINE**

- ◆ Auto Pre Shredder for ELV De-Densification
- ◆ Auto Shred Facility
- ◆ Dust Extraction System
- ◆ Auto Separation of Metals and Non-Metals
- ◆ Auto Separation of Dust and Non-Magnetic Materials
- ◆ Auto Separation of Individual Non-Magnetic Metals



## **ISSE** HAMMER MILL SHREDDING LINE

Hammer Mill Shredding Line is the ideal solution for a wide range of ferrous and non ferrous applications in scrap yards and steel works. It is equipped with Hammer mill, a powerful motor, fully automatic electric control, hydraulic drive, sorting line, monitoring system, etc.

- ◆ Waste car (remove engine, gearbox, rear)
- ◆ Sorted domestic light scrap (except non-shredding materials)
- ◆ Household appliance
- ◆ Construction and demolition materials
- ◆ Bicycle, track's guard railing & other similar daily metal waste
- ◆ Steel plate, sheets and profiles

### Features

- ◆ Ultra-high crushing efficiency
- ◆ Perfect finished granules
- ◆ Stable operation ability
- ◆ Advanced control system

<b>Output Capacity</b>	5 tons per hour and above	Parameters customizable as per client requirement
<b>Output Size</b>	50mm and above	
<b>Control</b>	PLC	





## **ISSE** CONTAINER / CONTINUOUS SHEAR

<b>Output Capacity</b>	4 tons to 30 tons per hour	Parameters customizable as per client requirement
<b>Shearing Force</b>	315 tons to 1500 Tons	
<b>Hydraulic</b>	Turbo Hydraulic	
<b>Feeding</b>	Hopper	
<b>Output Size</b>	400mm to 500mm	
<b>Control</b>	PLC Automatic + Touch Screen + Panel + Remote Control	





## **ISSE** GANTRY SHEAR

Gantry scrap metal shears is used in steel plants, recycling companies, automobile dismantling plants, smelting & casting industry for cold-cutting all kinds of metal scrap (section steel, round steel, square steel, scrap car, metallic structural parts etc. ) into acceptable furnace charges. Gantry shear machine is especially designed for heavy metal scraps (common metal, structure steel, round steel, rebar) / HMS scrap / automobile scrap car etc. It adopts hydraulic drive, simple operation & easy maintenance.

- ◆ Hardox anti-wear plates
- ◆ Huge feeding box to accommodate large scrap and increase production output
- ◆ High quality heavy duty cylinders (Hardened and chrome-coated piston rods, special honed pipes)
- ◆ Options of Hydraulic drive, manual valve operation, or automatic running by remote control induction
- ◆ No-contact sensors to avoid re-calibration

### **Hydraulic Systems**

This equipment adopts the new fast environmental protection hydraulic station, which is an integrated design of the pump power source, fuel tank, cooling system and control valve set, occupying a small area and low noise.



<b>Max Shearing / Cutting Force</b>	315 Tons to 2000 Tons	Parameters Customizable as per client requirement
<b>Press Box / Feeding Box Length</b>	5000 mm to 10000 mm	
<b>Output Capacity</b>	5 tons per hour to 40 tons per hour	
<b>Blade Length (mm)</b>	1400 mm to 2500 mm	
<b>Hydraulic Pusher LID Automatic Lubrication PLC and Remote Control Heat Exchanger</b>	All Included	



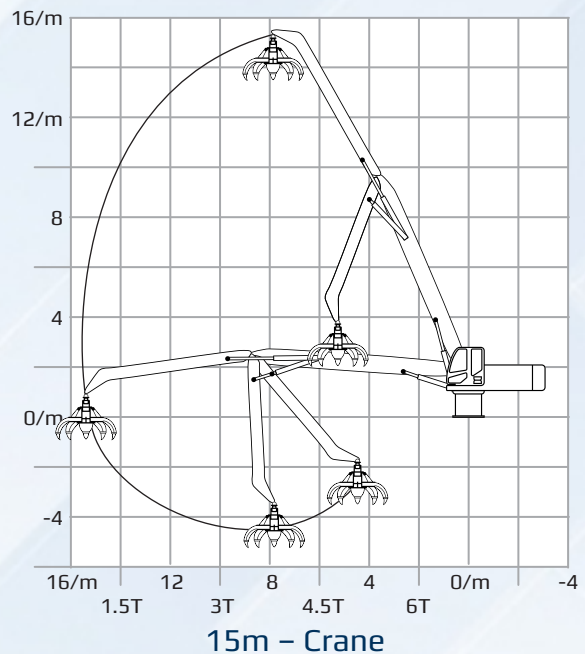
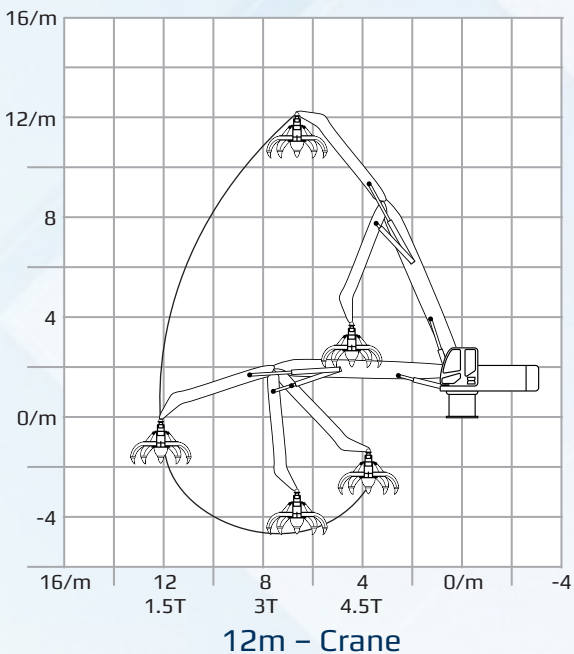
**ISSC BOX SHEAR**

<b>Output Capacity</b>	4 tons to 30 tons per hour	Parameters customizable as per client requirement
<b>Shearing Force</b>	400 tons onwards	
<b>Output Size</b>	400mm X 400mm onwards	
<b>Control</b>	PLC Automatic + Touch Screen + Panel + Remote Control	



## ISSC STATIONARY ROTATING CRANES (For Scrap yard & Furnace Charging Platform)

<b>Operation of the Equipment</b>	Hydraulic
<b>Application</b>	Handling Scrap
<b>Radius Covered</b>	Upto 15m
<b>Grab Capacity</b>	0.6 M3
<b>Shaft &amp; Pins</b>	High wear resistant steel
<b>Controls</b>	On Operator panel & Lever Operated
<b>Suitable for</b>	Stationary crane
<b>Grab Connection</b>	With Extra Hydraulic Cylinder & Link Assembly
<b>Control Panel</b>	Included
<b>Hydraulic Hoses</b>	Included
<b>Hydraulic Power Pack</b>	Included





## **ISSE** BALERS

<b>Bale Size In mm</b>	250 X 250 onwards	Parameters Customizable as per client requirement
<b>Bale Weight</b>	50 kgs to 1800 Kgs	
<b>Operation</b>	Continuous or Batch	
<b>Control</b>	Semi or Fully Automatic with Remote Control	

## ISSC ALLIGATOR SHEARS



- ◆ Alligator shearing machine has the capacity to cut (round up to 85mm, square up to 75 mm and SS up to 50mm).
- ◆ Alligator shears are simple to operate and feature fast cycle times, while maintaining a high cutting force for tough scrap material such as steel, bar, wire, cable, plates, tubes and other mixed metal products.

## ISSC HIGH SPEED ROLLING MILL ROLLS

We are suppliers of High Speed Rolling Mill Rolls, including bar rolling mill rolls, wire-rod mill rolls, section mill rolls, strip rolling mill rolls, plate mill rolls, H beam universal mill rolls, etc.

<b>Diameter</b>	Upto 1500 mm
<b>Length</b>	Upto 7000 mm
<b>Weight</b>	Upto 40 Tons
<b>Hardness</b>	Upto 95



## ISSC COPPER MOULD TUBES (For any caster including high speed casters)

We supply all kinds of Copper Mould Tubes & Plates of all sizes and dimensions, produced exactly as per the required drawing.

### General Specifications

- ◆ **Material:** Cu DHP, Cu Ag, Cu Cr Zr, CuNiBe, CuCoNiBe alloy, etc
- ◆ **Coating:** Chrome, Ni-Cr, Ni-Fe, Ni, NiCo, Ceramic coating etc with various shapes
- ◆ **Length:** 700mm – 1000 mm
- ◆ **Billet Mould Tube:** 60 mm x 60 mm to 700 mm x 700 mm
- ◆ **Bloom Mould Tube:** 135mm x 430mm to 550mm x 720mm
- ◆ **Round Mould Tube:** 80 mm to 1000 mm
- ◆ **Plates:** 120 mm X 850 mm to 3600 mm X 1000 mm





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