

**MAKING
RECYCLING VIABLE**

SINCE 1973



SHREDDER

SCRAP • Pre-Shredding • Shredding • Sorting • Handling

ABOUT US

Jain Hydraulics was established in **1973**, which is nowadays known as **JHR (Jain Hydraulics Recycling)**. We are the India's largest manufacturers of Hydraulic scrap baling presses, Shredders, Crushers, Box balers, Shearers, Continuous feed high production Paper balers, Paper shredders, Slag crushers, Finer, Hospital Waste Management Equipments (Bio medical waste sterilizers& Shredders) and Solid waste Management Equipment.

JHR has been manufacturing world leading recycling equipments. Being a pioneer, Our world class resource pool and advanced technology has consistently leading and driving a encouraging change in the world of recycling industries.

ISO 9001:2015 Certified

50+ years of experience

Machine installed in **100+** countries

10,000+ Machines installed all over the world

200+ Turnkey projects

Jain Hydraulics is now **JHR (Jain Hydraulics Recycling)**.



OUR CLIENTS



TATA STEEL



adani wilmar



LAXCON
THE "STAIN" LESS PEOPLE



Mahindra



SURYADEV
ALLOYS AND POWER



Hero



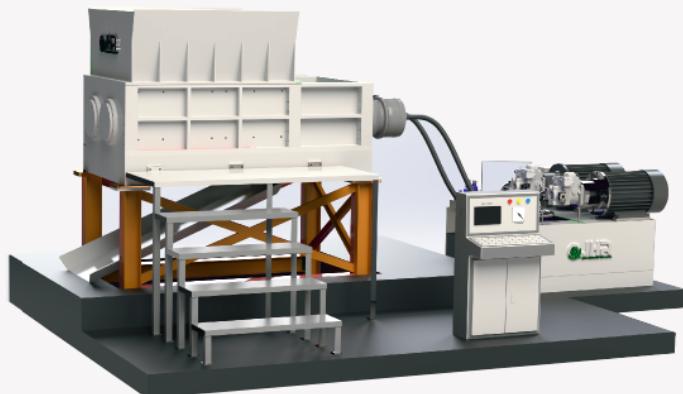
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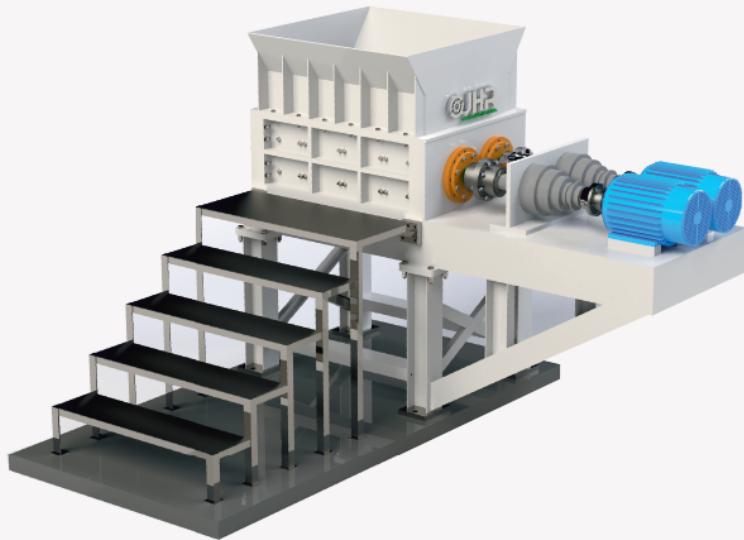
MTC GROUP

TWIN SHAFT SHREDDER

SALIENT FEATURES



HYDRAULIC DRIVE



ELECTRIC DRIVE



CUTTER



SHAFT ASSEMBLY

OPERATION / EFFICIENCY

- Housing : As per Material Specifications and Requirements
- Cutters : Hardox 500, Hardox 600, Spl. Forging Alloys.
- Phosphor Bronze Bushes and Bearing for smooth rotational movement of Shafts.
- Automatic Lubrication system can be provided as per the size and operation of the shredder.
- Two stage Planetary Gearbox/ Three stage Planetary Gearbox are provided as per the requirement of the shredder.
- Both Hydraulic And Electrical Models are available.

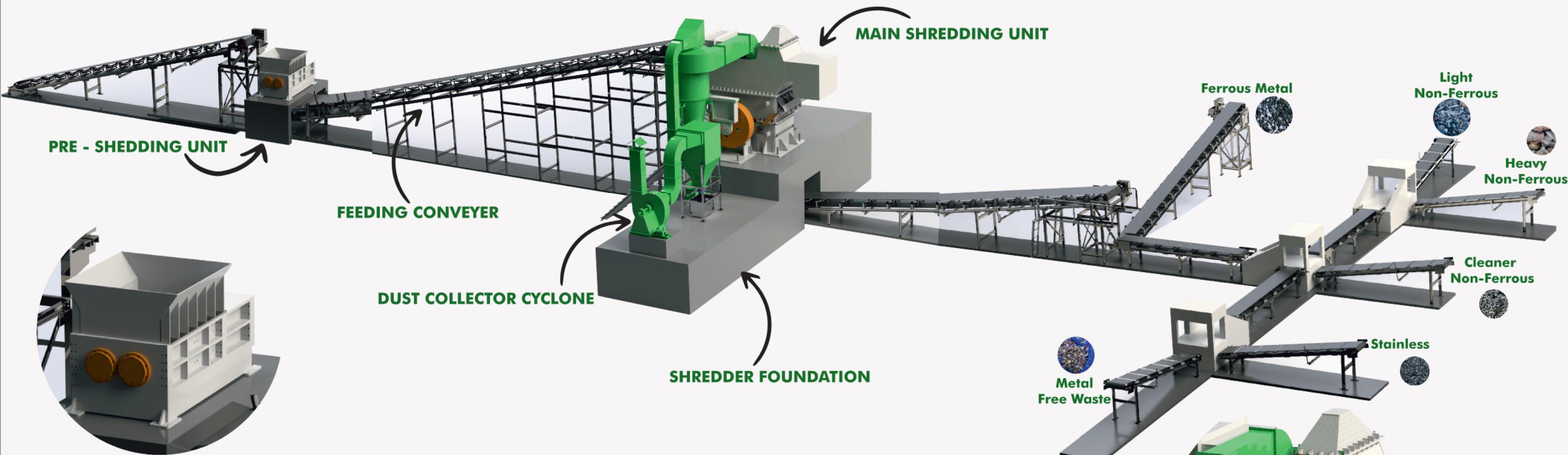
TECHNICAL SPECS

| Housing(mm) | 1200 x 810 | 1020 x 1500 | 1020 x 1500 | 1200 x 1800 |
|--------------|-------------------|-------------------|-------------|-------------|
| Power(HP) | 40 x 2 | 60 x 2 | 50 x 2 | 75 x 2 |
| Cutter (HRC) | 58 - 60 | 58 - 60 | 58 - 60 | 58 - 60 |
| Drive | Hydraulic | Hydraulic | Electric | Electric |
| Scrap | Aluminium Casting | Aluminium Casting | Tyre Wire | Tyre Wire |

Above data is indicative and not binding. It doesn't guarantee or contains any assurance of any kind.
Housing, Power, Cutter, Drive can be modified as per the scrap requirement.

SHREDDER PLANT

SALIENT FEATURES



PRE - SHEDDING UNIT

- Increase in the throughput due to the homogenisation of in-feed material
- Reduction of peak loads in frequency and size resulting in lower electricity costs
- Increased lifetime of wear parts as well as the whole aggregate

FEEDING CONVEYER

- Rubber cotton mix conveyor belt
- Walkway along the conveyor belt up to the mouth of shredder for easy maintenance
- Electric motor and the gear box supplied as an integral part

DUST COLLECTOR CYCLONE

- Consist of a special material handling blower, motor, bag tree with collection bag and filter
- The small & large dust particles coming out of the shredder machine enter the cyclone thereby leaving the environment clean

MAIN SHREDDING UNIT

- Fabricated out of the thick cold rolled mild steel plates reinforced with heavy ribs & stiffeners
- Complete structure is mounted on thick foundation plate
- Strengthened enough to bear the impact of flying scrap
- Body sections can be opened up by hydraulic cylinders for easy maintenance
- Feeding mouth is large enough to swallow sufficient quantity of scrap at a time
- Innovative design enables the scrap to move directly into the stomach of the shredder

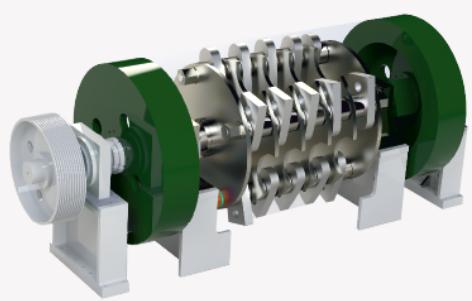


| Description | Units | HM/100 | HM/150 | HM/250 | HM/500 |
|----------------------------|-------|--------|--------|--------|--------|
| Housing | Inch | 30 | 36 | 42 | 60 |
| Power | HP | 100 | 150 | 250 | 500 |
| Mesh Size | Inch | 3 x 4 | 4 x 5 | 6 x 7 | 7 - 10 |
| Production/hr (Approx) | Tons | 1-2 | 2-3 | 3-4 | 7-9 |
| Machine Weight (Approx) | Tons | 11-12 | 14-15 | 22-23 | 40-42 |

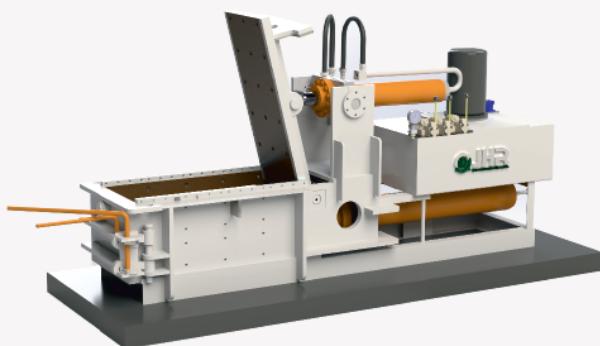
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ROTER SHAFT

- The main driving shaft is forged from thick alloy steel round duly tested.
- The discs are placed on hardened bushes and are attached by tie-rods
- Every part is duly machined and weight balanced with double roller taper bearing provided as per the requirement for smooth operation of the machine
- The hammers are manufactured out of special alloy steel casting 14% Mn
- The disc design is convenient for automatic welding for hard surfacing during maintenance periods



OUR PRODUCT RANGE



DOUBLE ACTION FRONT DOOR



DOUBLE ACTION SLIDE DOOR



MINI AUTOMATIC



NIBBLER



ALLIGATOR



GRABBER



SUPER JUMBO

OUR PRESENCE IS IN ALL OVER THE WORLD



JHR: METAL AND WASTE RECYCLING REDEFINED

FOLLOW US ON :



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