



## R SERIES SECONDARY SHREDDERS SPECIFICATION SHEET



### INTRODUCTION

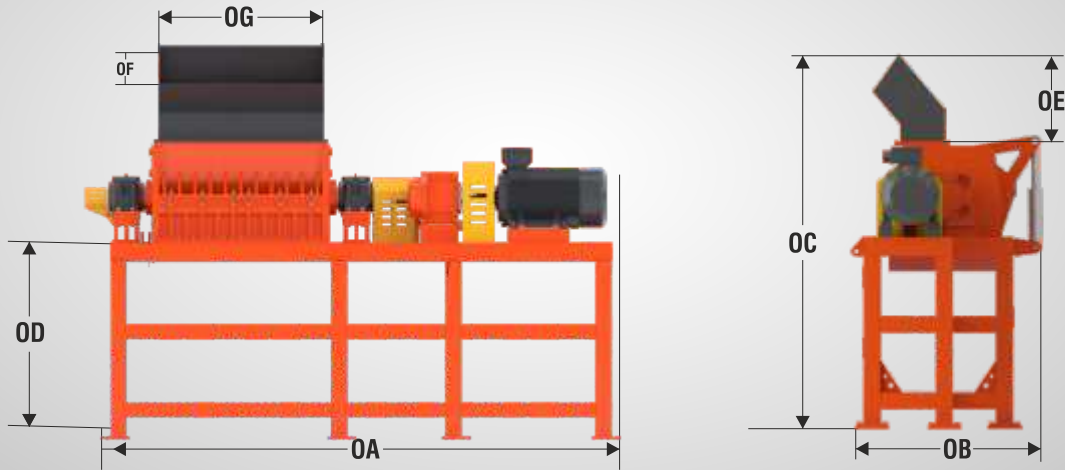
The Fornnax R-4000(HD) Secondary Shredder is single-shaft machine designed to accept wide range of pre-shredded materials for further down-sizing into consistently sized particles. This is a heavy-duty machine capable of processing tyres, RDF, copper wires, non-ferrous metals and much more. The internal screen has hole-size of 16 mm to 50 mm with a drive 430 HP, providing sufficient power and torque to process most difficult materials. The technology becomes very reliable and efficient with the design of replaceable wear plate, low-cost blades, and the use of reversible screens.

### APPLICATIONS

- Tyre Recycling
- Municipal Solid Waste
- Cables
- Oil filters
- Tyre Steel Cleaning
- Electronic and electrical waste
- Aluminum scrap
- Many more...

### FEATURES

- **SECOND-TO-NONE-SERVICEABILITY**
  - The hydraulic hopper and screen opening to ensure easy maintenance.
- **ADVANCED BEARING HOUSING**
  - Advanced Bearing Housing - isolates bearings from cutting chamber contamination
- **PROTECTION AGAINST UNSUITABLE MATERIAL**
  - Highly sensitive Slip-clutch- to protect the machine against unsuitable materials.
- **LOW MAINTENANCE COST**
  - Fourfold use and multiple time re-grind blades, and reversible screens - for low-cost operations
- **LONGEVITY**
  - Completely hard-faced rotor and replaceable wear plates - to increase the durability of the cutting unit.
- **PRECISION CONTROL**
  - Specific Stop Feature - Control feeding according to load percentages for high efficiency and protect against damage.
- **VERSATILITY**
  - Rapid screen change system to control the output size, and wide range of shredding capabilities to handle various materials
- **CUSTOMIZATION**
  - Inlet and Outlet hopper -highly customized



**SECONDARY SHREDDER (R-4000 HD)**

**TECHNICAL SPECIFICATIONS**

**DRIVE AND TRANSMISSION SYSTEM**

Power	430 HP / 320 kW
Number of Motors	1
Drive Specification	Electric
Voltage	As per Customer's Requirement

**CUTTING SYSTEM**

Cutting Chamber	L 2000 mm X W 1000 mm
Rotor Diameter	875 mm
Rotor Length	2000 mm
No. of Rotating blades	50
No. of Static blades	10
Hopper Opening (OG X OF)	L 2050 mm x W 715 mm
Hopper Height (OE)	1300 mm
Discharge Height (OD)	2100 mm
In-feed Height (OC)	4450 mm

**OVERALL DIMENSIONS AND WEIGHT**

Equipment Length (A)	6330 mm
Equipment Width (B)	4660 mm
Equipment Height (C)	4950 mm
Equipment Weight (Approx.)	40000 Kg

\*Above displayed technical data, dimensions and specifications of equipment is representational. Dimensions are approximate. Actual equipment data may differ from shown. Consult with fornax for actual equipment drawing and layout plan.

**OPTIONAL EQUIPMENTS**



**CONVEYING SYSTEM**

For conveying material to next stage.



**VIBRATORY DISCHARGER**

To segregate ferrous elements from output and moves material to next conveyor.



**OVER BAND MAGNET**

To continuous separation of ferrous elements from non magnetic elements.



**STABILITY SILO**

To provide consistent flow of sized material to Infeed Conveyor.

