



R-SERIES SECONDARY SHREDDERS SPECIFICATION SHEET



INTRODUCTION

The Fornax Secondary Shredder is a 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 12 mm to 50 mm with a drive option of 150 HP to 425 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.

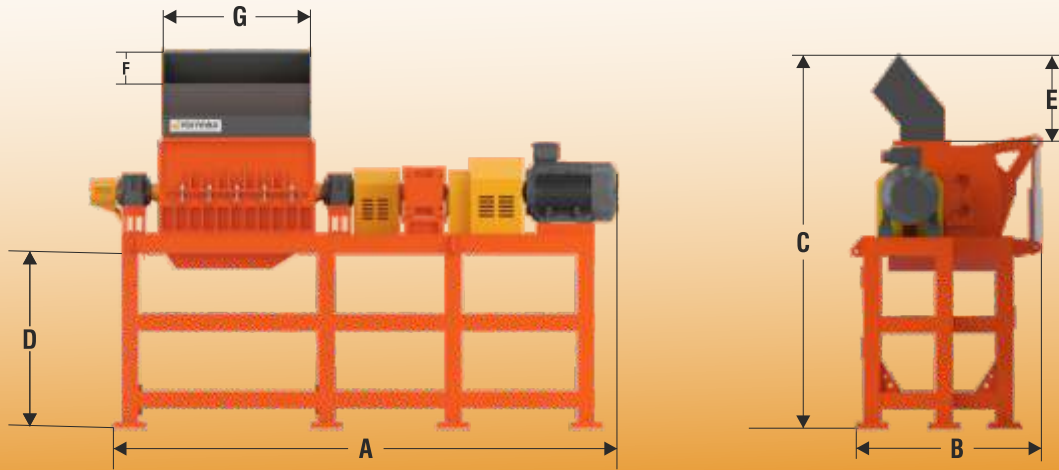
APPLICATIONS

- Tyre Recycling
- Municipal Solid Waste
- Cables
- Many more...
- Steel Cord Cleaning
- Electronic And Electrical Waste
- Aluminium Scrap
- Oil Filters

FEATURES

- **SECOND-TO-NONE-SERVICEABILITY**
 - Hydraulic hopper opening & service platform - ensure easy maintenance
- **VERSATILITY**
 - Rapid screen change system - to control the output size
- **LOW MAINTENANCE COST**
 - Four fold use & Multiple time re-grinding blades - for low cost operations
- **PRECISION CONTROL**
 - Specific Stop Feature - protects against over-feeding and damage by unsuitable materials.
- **ADVANCED BEARING HOUSING**
 - Advanced Bearing Housing - isolates bearings from cutting chamber contamination
- **LONGEVITY**
 - Replaceable wear plates - to increase the durability of cutting chamber
- **CUSTOMIZATION**
 - Inlet & Outlet hopper - highly customized

**SUITABLE FOR MOST DIFFICULT
SHREDDING APPLICATIONS**



MULTI PURPOSE SECONDARY SHREDDERS

TECHNICAL SPECIFICATIONS

MODEL	R1000	R2000	R4000
DRIVE AND TRANSMISSION SYSTEM			
Power Range	150 HP / (110KW)	240 HP / (180KW)	370-425 HP / (275-315KW)
Number of Motors	1	1	1
Drive Specification	Electric	Electric	Electric
Voltage	As per Customer's Requirement		
CUTTING SYSTEM			
Cutting Chamber	1250 X 540 mm	1600 X 650 mm	2000 X 1000 mm
Rotor Diameter	500 mm	625 mm	875 mm
Rotor Length	1250 mm	1600 mm	2000 mm
No of Rotating blades	50	50	50
No of Static blades	10	10	10
Hopper Opening (G x F)	1310 x 340 mm	1620 x 420 mm	1930 X 455 mm
Hopper Height (E)	800 mm	888 mm	1000 mm
Discharge Height (D)	1600 mm	1800 mm	2100 mm
Infeed Height	3050 mm	3600 mm	4400 mm
ALL OVER DIMENSIONS			
Equipment Length (A)	4600 mm	5500 mm	6250 mm
Equipment Width (B)	1600 mm	1950 mm	2700 mm
Equipment Height (C)	3400 mm	3950 mm	4950 mm
Equipment Weight (Approx.)	13000 Kg	18000 Kg	28000 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

PUSHER RAM

To assist the material towards cutting process.

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.

SERVICE PLATFORM

For easy maintenance and serviceability

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