

Lindemann™ EtaRip™ Pre-Shredder

Supporting Optimal Shredding Operation

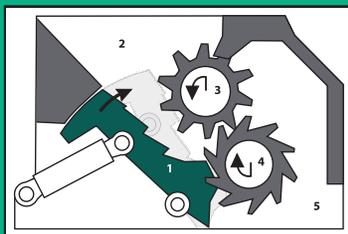


Choosing Metso as your supplier for equipment for your scrap recycling process gives you the best performance overall- and the Metso Lindemann™ EtaRip™ has some strong and reliable working principles.

FEATURES

- Tilttable housing consists of 2 main welded parts- Top housing and Bottom housing inclusive flipper.
- Power- controlled pumps reduce speed at high torque.
- Low-speed, high-torque hydraulic motors.
- Motors directly connected to the rotor splined shaft.
- No additional gear box that may cause problems due to load cycles.
- Plummer block rotor bearing.

WORKING PRINCIPLE



Two rotor system with moveable flipper

- | | |
|--------------------|---------------------|
| 1. Flipper | 4. High speed rotor |
| 2. Feed chamber | 5. Discharge area |
| 3. Low speed rotor | |

Environment, Safety, Energy, Economy

Why should you choose a Pre-Shredder from Metso Recycling ?

■ Reduces risk of explosion in the shredder caused by gas bottles, petrol tanks or other hazardous elements

- The formation of sparks is avoided, thus the hazard of ignition is prevented, because the slowly turning rotors tear the materials apart instead of smashing them into pieces.

■ More efficiency through better preparatory work

- Protection against risky material.
- No standstill is caused by nonshreddable parts.
- More flexibility with the incoming material.

■ Even use of the installation

- Optimized utilization of the shredder installation.
- Increasing lifetime of wear parts.
- Equal utilization of sorting units.

■ No Peak Loads

- The main shredder can work in the most economical range of energy consumption because the Pre-Shredder evenly pre-fragments the material.
- Utility company tariffs typically include a base charge and a separate - expensive - charge for peak loads. This latter charge can be reduced considerably by using the Pre-Shredder.



Reduced noise pollution means fewer difficulties with neighbours and supervisory authorities.



Less idle time and a wider range of infeed material means a more profitable shredder installation.



Maximum production output and better sorting results for better quality scrap.

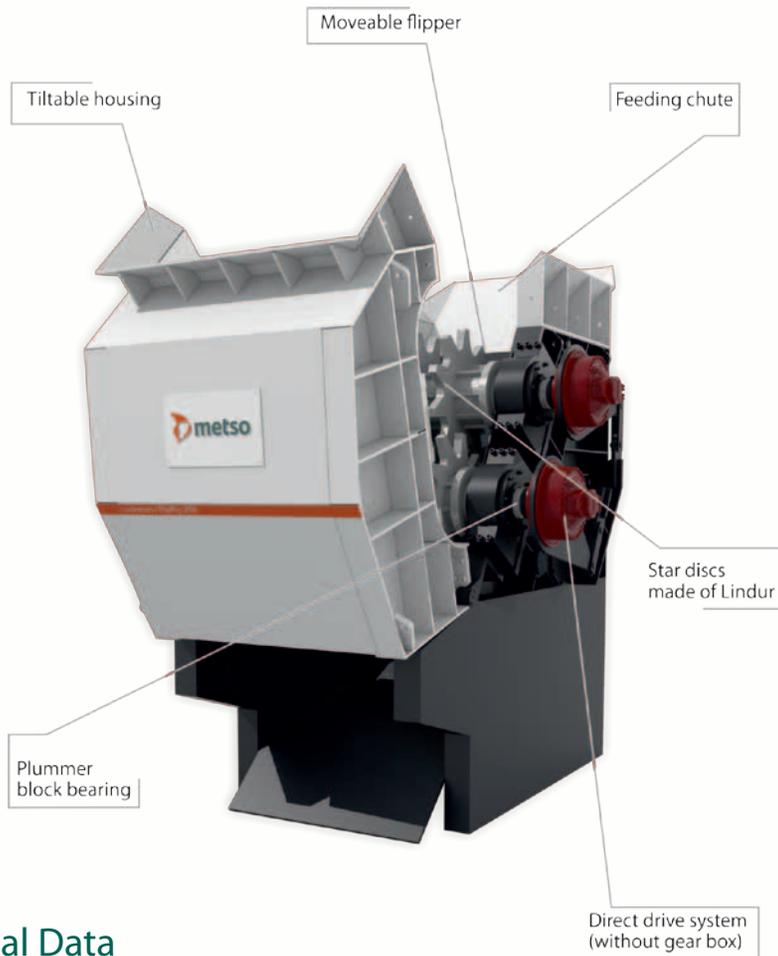


Savings up to the range of six figures are possible according to the installation.

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Technical Data

		EtaRip® 210	EtaRip® 250
General data			
Feeding width	mm	2100	2500
Driving Power			
Flipper and top rotor (low speed)	kW	90	132
Bottom rotor (high speed)	kW	250	2x250
Throughput			
miscellaneous scrap; ELV	t/hour	up to 40	up to 110
bale density <0,8t/m ³	t/hour	up to 25	up to 100
bale density <1,0t/m ³	t/hour	up to 20	up to 90
Top rotor (low speed)			
Discs / teeth per disc	pieces	3/8	4/10
Diameter incl. teeth	mm	1200	1600
Hydraulic motors		One per rotor	Two per rotor
Bottom Rotor (high speed)			
Discs / teeth pr disc	pieces	4/8	5/10
Diameter incl. teeth	mm	1200	1600
Hydraulic motors		One per rotor	Two per rotor

All values are approximate and subject to alteration.