The Metso EtaCrush®
has distinctive new advances

For decades the development of metal shredders has been one of our strengths. The EtaCrush® series is a result of our expertise – a compact shredder with an inspiring range of new, distinctive features.

- It crushes the widest variety of scrap metal efficiently and inexpensively.
- It fits easily into Metso Recycling’s modular metal recycling plant and processes aluminum, electronic and various types of steel scrap economically with no extra modifications and no high labor requirements.
- In terms of the processing quantities and types of scrap it processes, it can grow with your company.
Features & Benefits

The unique design gives the machine great advantage

With the development of the Metso EtaCrush®, even smaller metal shredders with a driving capacity of 250 to 750 kW display refinements which have a highly favorable effect on specific energy consumption, throughput, size of fragmentation and wear and maintenance conditions.

**Optimum double-grid / anvil combination**
This design helps to reduce power consumption while at the same time increasing throughput.

**Effective wear and maintenance prevention**
The tiltable housing, Metso Recycling’s long-life caps that are used to protect the hammer shafts and rotor disks, the special wear protection of housing parts that are subject to heavy loads, the design and arrangement of wear protection elements, and the nature and arrangement of their fixtures, all help to keep the costs for wear and maintenance to an absolute minimum.

**Special material and air guidance**
This has a positive effect on power consumption and reduces the costs for a dust-extraction system to a minimum.

**Hydraulic removal of coarse pieces**
Solid pieces that cannot be crushed are removed during the crushing process without interruption – and without crossing the material flow again.

**Hydraulic locking for housing**
This optional extra ensures quick and easy opening of the center and top parts of the housing, either at the same time or separately. It may also be fitted at a later stage.

**Hydraulic locking of rotor bearing**
This optional device enables the rotor to escape in the event of solid pieces getting between the rotor and the housing bottom. This keeps damage to the rotor to a minimum. You can add this feature at a later stage.

**Special speed control of the rotor**
The new optional available speed control of the rotor offers operators excellent processing flexibility. Degree of fragmentation, material disintegration and wear can all be optimized for the widest variety of scrap metal.

**Hydraulic device for disassembly of hammer axles**
Facilitates and speeds up exchange of the hammers and hammer axles. This feature is optional.

**Electronically controlled water injection**
This is recommended for shredding without dust extraction. It clearly reduces or even prevents the mission of “blue smoke” when oily materials are being processed. You can add this feature at a later stage.

**PLC phone diagnosis and software updates via phone**
With this optional service we offer prompt aid in operational and fault diagnosis. Our service engineer can solve electronics and software problems without delay. Moreover, the right expert and the necessary spare part can be identified for the mechanical side.
Modular EtaCrush® plant for steel, aluminum and copper processing

1. Metsa EtaCrush® 150x160
2. Shredder fluff separation
3. Steel scrap separation
4. Aluminum/copper/non-metal separation
Features & Benefits

Proven technology for efficient crushing

Our metal crushers in the Metso EtaCrush® series have proved to be ideal, in a wide variety of applications, for the selective pre- and re-crushing of scrap metal. They are excellent at material disintegration, perform efficiently and with low specific energy consumption, offer maximum availability and ease of maintenance, and are highly immune to solid pieces.

Our intelligent, optimum-cost solutions, wide range of products and many years of experience enable us to provide you with the safety you need for an efficient, economic metal crushing process.
Metso Recycling Equipment

Our range:
- Pre-Shredders
- Shredders
- Shredder Plants
- Metal Crushers
- Scrap Shears
- Turnings Crushers
- Briquetting Presses
- Double Screw Presses
- Anode Crushers
- Screen Drums
- Scrap Baling Presses
- Waste Fine Shredders
- Waste Pre Shredders

Metso Recycling Services

Uptime Services
- Inspection Services
- Parts Services
- Repair and Refurbishment
- Troubleshooting Services

Performance Services
- Process Monitoring Services
- Optimization Services
- Upgrade Services
- Training Services

Project and Engineering Services
- Start-up Services
- Health, Safety and Environmental Services
- Engineering Services
- Plant Relocation Services

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