



RECYCLING

ADURO F SHREDDER

EFFICIENT GRINDING WITH LESS DUST

ANDRITZ

ENGINEERED SUCCESS

ADuro F shredder: Fine-grinding of difficult materials

The ANDRITZ ADuro F is perfectly suited for fine grinding of challenging materials to a fraction size of 15 to 0 mm (powder).

The ADuro F is used for efficient fine grinding of pre-shredded input material down to a very accurate granulate size and even finest powder, while keeping dust to an absolute minimum. The ADuro F is adept at grinding hard-to-handle materials such as paper, cardboard, or wood (either clean or residual). The ADuro F is often combined with an ADuro U shredder to pre-shred the input material .

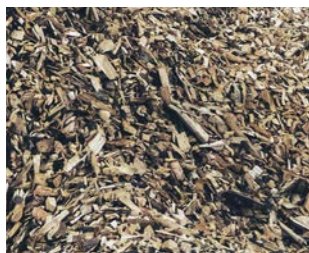
The input material with a particle size of 20 to 50 mm is usually fed into the machine with a screw or band conveyor. The machine offers several options for pre-filtering harmful contaminants. All inlet chute models

are equipped with a permanent magnet to remove ferromagnetic particles. Furthermore, there is an option to install a larger inlet chute with an extra stone trap.

The cutting unit consists of hammers that are mounted on the rotor. Once the material has been ground to the proper size, air flow from an integrated fan pushes the ground material through a screen with very fine mesh. This minimizes the amount of dust generated and maximizes the throughput efficiency of the ADuro F. The machine is capable of producing a fraction with very high quality and accurate granulate size, which ranges from 15 mm down to finest powder.

TYPICAL APPLICATIONS

- RDF (Refuse Derived Fuel)
- Textiles
- Dry wood
- Cables
- Cardboard and/or paper
- Straw
- Others possible on request



Wood < 30 mm



Cardboard



	Drive power [kW]	Inlet [mm]	Cutting area [m²]	Rotor diameter [mm]	Knives [pcs]	Weight [t]
F-260	55-90	260	0.7	490	76/152	1.9
F-350	90-160	350	1.0	840	76/152	2.8
F-450	160-200	450	1.3	1,210	76/152	4.5

Swing door design for easy access and maintenance

The swing door provides access to the complete cutting unit and its components.

The ADuro F is designed with ease of maintenance in mind. A large swing door provides easy access to the cutting unit so that wear parts can be mounted or dismantled quickly. No tools are required to open the swing door clamps.

A special design feature of the ADuro F is the integrated fan that performs two functions: assistance with fine grinding and with transport of the material.

MAIN ADVANTAGES OF THE ADuro F

- Small and very accurate particle size
- Very fluffy output possible
- Homogenization of output material
- Integrated fan to reduce the amount of dust
- Easy combination with magnet and stone trap
- Service door for fast and easy access to the cutting unit
- Low-wear hammers, rotatable in four different ways

ADuro F with integrated fan :



SEE OUR VIDEO!



- 1 Service door 2 Hammers 3 Rapid change system for screens 4 Integrated fan
5 Material inlet 6 Material outlet 7 Transmission 8 Motor drive



OUR ENVIRONMENT IS A TREASURE TO BE PRESERVED

So are the raw materials contained in your waste products. Let us help you utilize them to best advantage. ANDRITZ Recycling is actively demonstrating its commitment to conserving valuable resources by offering a wide range of capabilities in the recycling industry. Our technologies cover solutions for processing rejects from the paper industry, e-scrap, metal and special waste, organic waste, end-of-life vehicles, wood, plastic and textile waste as well as applications for generating energy from various waste products.

ANDRITZ Recycling Service develops recycling solutions that pay off for the customer for the complete lifecycle of your mill or equipment. From the supply of spare parts, routine work during a scheduled shutdown, to quick response during a disruption or the implementation of our latest IIoT solutions, we are available to keep operations running smoothly.

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