



RECYCLING

ADURO M SHREDDER

HIGH PRECISION FOR A FINE CUT

ANDRITZ

ENGINEERED SUCCESS

ADuro M shredder: For perfect fine granulation

The ADuro M is the final shredding step in a recycling process and granulates pre-shredded material precisely and quickly.

The ADuro M is perfectly suited for fine granulation of used tires, plastics and cables and is mainly used as the final shredding step in a complete recycling process. The machine reduces the input material a particle size of less than 4 mm and thus breaks up the last remaining material composites. The results are defined, pure-grade, granule-sized secondary raw materials. The individual fractions, such as copper, aluminum and plastics, can be separated with a metal separator to be available with high purity and a quality that can be used to make new products.

OPERATING PRINCIPLE

Similar to the operating principle of the ADuro G shredder, fine granulation in the ADuro M is carried out with the shearing effect between rotor and stator knives. The “double diagonal cutting geometry” creates

a precise cutting gap over the complete working width of the machine. The rotor knives are adjusted from inside the machine and can be reground several times.

The screen mounted underneath the cutting rotor determines the granulation size (< 4 mm) and the respective throughput with variable mesh sizes. Underneath the screen is a collection tray from which the granules are removed by suction or transported by a discharge screw conveyor.

INPUT MATERIALS

- Cables
- Tires
- Plastics
- PVC flooring
- Injection moldings
- Plastic film
- Paper



SIZES AND TECHNICAL SPECIFICATION

	Drive power [kW]	Inlet diameter [mm]	Rotor length [mm]	Rotor diameter [mm]	Knives [pcs]	Weight [kg]
M-1000	90	300	1,000	493	10	5,000

Robust design for extreme stability

The ADuro M is designed with safety and maximum machine stability in mind.

Thanks to the very robust machine design, the ADuro M shredder can even cope with the highest level of vibrations. The rotor is made of tempered special steel to ensure extreme stability, and the bearings supporting the rotor shaft are positioned outside of the cutting area, well shielded from the processed material. A special sealing and lubrication system protects the bearings against contamination.



Cable output fraction after treatment with the ADuro M

Front view of the ADuro M shredder when open

MAIN ADVANTAGES OF THE ADURO M

- Robust machine construction
- Low space requirement
- Highly durable stator and rotor knives
- Pre-set knives ensure short downtime for replacement
- Hydraulic device for accessing the cutting area, fast and easy replacement of knives
- Hydraulic screen basket allows fast screen change
- Mechanical and electrical safety systems ensure operating reliability
- Energy-efficient drive system



- 1 Rotor housing

2 Rotor

3 Inlet chute

4 Frame

5 Drive

6 Screen holder and screen

7 Outlet chute



GLOBAL TECHNOLOGY – LOCAL SERVICE

ANDRITZ Recycling is more than an equipment supplier. We develop recycling solutions that pay off for our customers. Our knowledge and expertise are available to help customers truly optimize their operations. As a part of the international ANDRITZ GROUP, we are backed by the strength of an extensive global network of service specialists, machining centers, rebuild shops, and service locations. From the supply of spare parts, routine work during a scheduled shutdown, to quick response during a disruption, we are available to keep operations running smoothly.

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