



RECYCLING

ADURO H SHREDDER

CONTAMINANT-RESISTANT CUTTING SYSTEM
FOR VARIOUS APPLICATIONS

ANDRITZ

ENGINEERED SUCCESS

ADuro H shredder: resistant to contaminants

Effective waste processing with specially designed swinging cutters suitable for a wide range of input materials.

The ANDRITZ ADuro H is a horizontally fed and high-capacity shredder mainly used to process municipal solid waste, industrial waste, and wood used as bio-mass. The material is usually fed via conveyor to a vibrating table that spreads it evenly to the cutting unit, which consists of a rotor equipped with specially arranged cutting tools.

INNOVATIVE SWINGING CUTTING TOOLS

The special design of the cutting unit with four rows of high- and low-mounted cutters arranged in an X-pattern, and the different screen sizes allow for a great level of flexibility regarding the output material. Its resistance against potential contaminants is based on a swinging cutting system, which ensure that when

a contaminant enters the cutting unit, the cutting tools react inside the rotor. This makes the ADuro H extremely versatile in RDF (Refuse Derived Fuels) and MSW processing.

ADVANCED KEY FEATURES

The ADuro H is capable of shredding input material with a size of 300-500 mm down to the desired particle size in the most efficient way. The advanced horizontal feeding system is equipped with feed rollers that flatten and push the input material uniformly into the cutting unit. Due to the rapid rotation and the massive weight of the rotor and cutters, maximum forces are applied on the material, which results in high throughput at relatively low energy consumption.



ADuro H shredder with vibrating table

INPUT MATERIALS

- Municipal solid waste (MSW)
- Industrial waste
- Wood waste

	Drive power [kW]	Inlet [mm]	Rotor length [mm]	Rotor diameter [mm]	Knives [pcs]	Weight [t]
H-1500	200-450	1,500 x 400	1,400	1,100	58	18
H-2000	315-500	2,000 x 400	1,900	1,100	78	21

Safe operation and easy maintenance

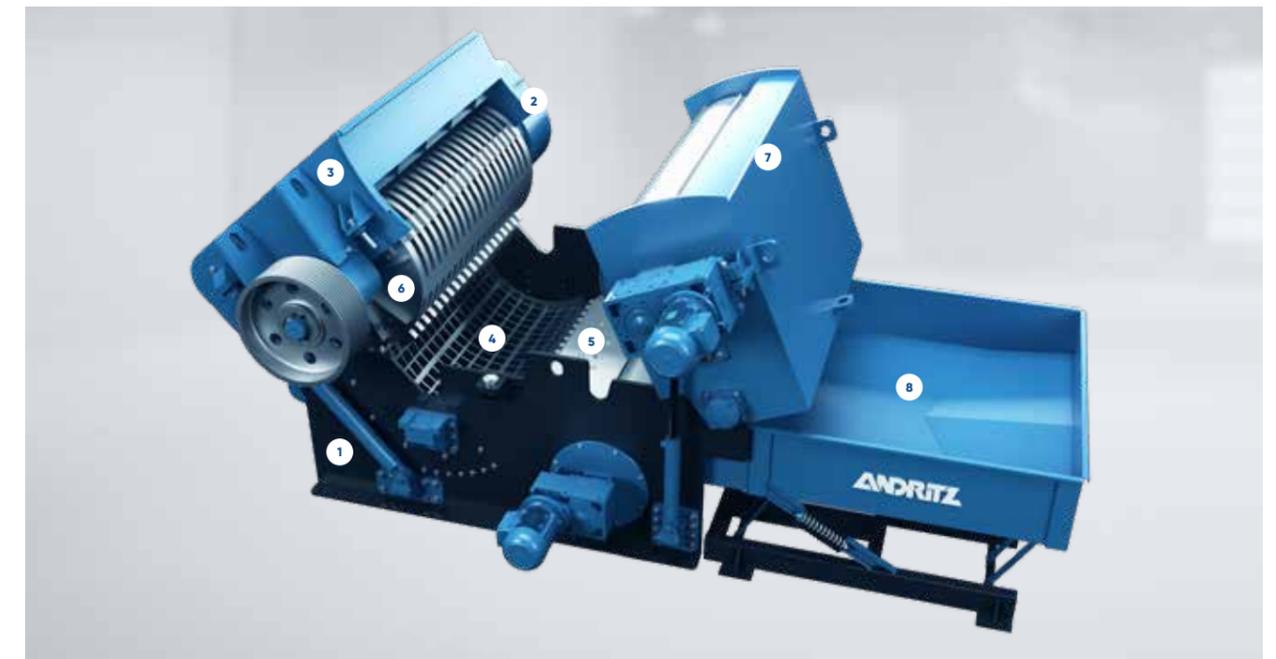
Robust construction for years of heavy-duty operation combined with easy maintenance.

The hydraulic service door is designed with safety and efficiency in mind and provides full access to the cutting unit to ensure ease of maintenance. The motor transfers energy through hydraulic tensioned belts, which reduce the heat generation and energy consumption. The hydraulic unit and the electric cabinet can be placed where it is convenient.

An optimal gap between the cutting tools, the counter knives and screens enables a very high throughput. Internal sensors detect contaminants such as metal pieces and automatically stop the machine with quick-acting disc brakes. This significantly reduces the time required to stop the machine, helping avoid damage to the rotor and screens.

MAIN ADVANTAGES OF THE ADURO H

- Resistance against contaminants due to swinging cutting system
- High-capacity shredding of a wide range of input materials
- Innovative cutting unit with large surface area
- Hydraulic service door for easy access to the interior
- Vibrating table for smooth and efficient feeding



- 1 Hydraulic service door
- 2 Disc brake
- 3 Vibration and balance sensors
- 4 Outlet screen
- 5 Counter knives
- 6 Rotor with swinging cutting system
- 7 Controlled feeding
- 8 Vibrating table



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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