



RECYCLING

ADURO P SHREDDER

CONSTANTLY HIGH THROUGHPUT
FOR EXTREME APPLICATIONS

ANDRITZ

ENGINEERED SUCCESS

ADuro P shredder

With its innovative, robust cutting system, this heavyweight shredder is capable of high throughput even in demanding applications. It can process large volumes of a variety of bulky materials reliably and efficiently.

The robust ADuro P is a slow-running, single-shaft shredder with electric motor drive and a hydraulic pendulum pusher. The shredder features an innovative cutting system that can produce particle sizes down to 50 mm, which is unusual for a pre-shredder. The screen is adaptable and can be modified to enable extremely high throughput for a variety of applications.

The unique design allows the ADuro P to function very well as a one-step processing unit. When processing smaller particle sizes, the ADuro P can be easily combined with other ANDRITZ ADuro shredders to achieve the desired material size.

ADVANCED PENDULUM PUSHER

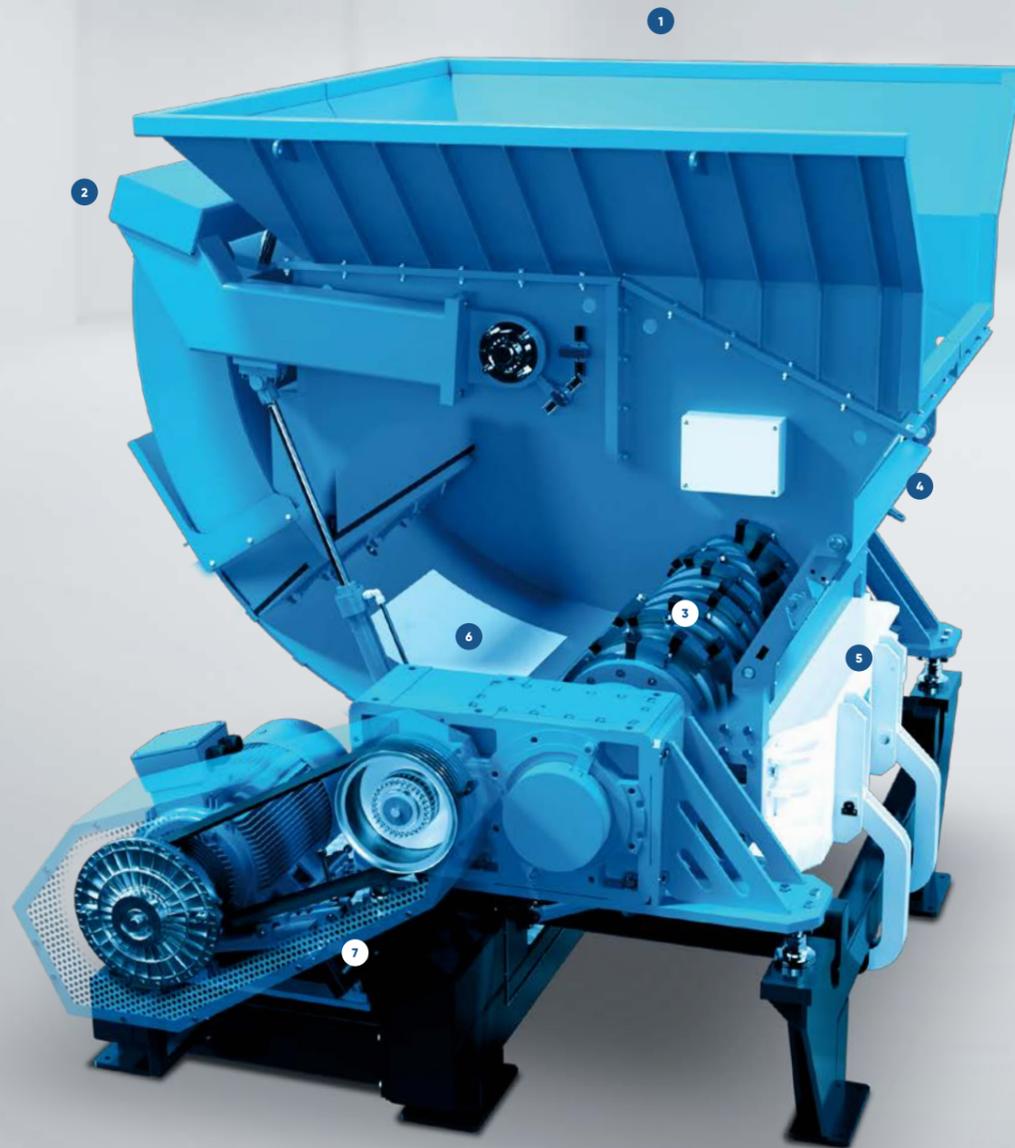
One key component of the ADuro P is the advanced design of the hydraulic pendulum pusher that automatically reduces the pressure on the input material depending on the actual motor current. This ensures a constant and high throughput with a low energy consumption for each application.

Ejection of materials as commonly experienced with ordinary horizontal pushers is avoided. This contributes to a clean and safe work environment.

INNOVATIVE CUTTING SYSTEM

The cutting unit consists of low- and high-positioned knives mounted on the rotor. The incoming material is cut between the knives and counter knives as well as the knives and screen, which ensures uniform breakdown of materials and consistent results. No rotor cooling system is required. The knife system features optimized cutting geometry to even cleanly cut bulky materials into the proper size. The rotor operates continuously to ensure high throughput and maximum efficiency.

The ADuro P can be equipped with a special rotor type featuring smaller teeth and an increased rotor speed, which results in higher throughput and smaller output size. The new ADuro P-F models (down to 35 mm) have the same robust design as the standard model, but are especially designed for processing refuse derived fuels (RDF) and plastics.



- 1 Inlet hopper
- 2 Hydraulic pusher
- 3 Cutting unit
- 4 Hydraulic reject hatch
- 5 Hydraulic screen basket
- 6 Hydraulic service hatch
- 7 Drive chain

AUGMENTED REALITY CONTENT

Download the ANDRITZ AR APP on our website or in the AppStore/PlayStore, scan the icon and experience the enhanced content!



Powerful shredding, easy operation and maintenance

The ADuro P is engineered and built for years of heavy-duty operation. Ease of maintenance is a hallmark of the design and is guaranteed by several smart features.



MAJOR ADVANTAGES OF THE ADuro P

- Powerful shredding of a wide range of materials
- Innovative, continuous cutting system for high throughput and uniform results
- Hydraulic pendulum pusher that automatically adjusts the pressure on the input material
- Perfect accessibility for easy maintenance
- Highest machine protection with V-belt and safety clutch design

The reject and service hatches were designed with safety and efficiency in mind. When the reject hatch is opened, the rotor can manually be reversed to remove material rejects from the cutting area in a secure and fast way. When the machine has been emptied, full access to the wear parts is given.

Certain features of the ADuro P, such as preset recipes for various materials, a protection clutch to avoid damage to motors during an overload situation, automatic safety lockout, and a well-positioned service door also contribute to its ease of operation and maintenance. Its compact design and profile enable the ADuro P to be easily installed and integrated into an existing plant or facility.

SIZES AND TECHNICAL SPECIFICATION

	Drive power kW	Inlet chute mm	Rotor length mm	Rotor diameter mm	Nom. rotor speed rpm	Weight t
P-2000	2x110 / 2x132 / 2x160	2,490x1,980	2,000	800	60	26
P-3000	2x160 / 2x200	2,490x2,980	3,000	800	60	36
P-2000F	2x132 / 2x160	2,490x1,980	2,000	800	85	26
P-3000F	2x160 / 2x200	2,490x2,980	3,000	800	85	36



ADuro P: superior shredding of bulky materials

The powerful ADuro P is often used as a pre-shredder and capable of accommodating a wide variety of bulky materials.

The input material is shred between the knives and counter knives as well as the knives and screen. This results in uniform breakdown and clean cutting of the incoming materials.

TYPICAL APPLICATIONS

- Household/industrial waste
- Bulky waste
- Pulp and paper rejects, pulper rags
- Plastics
- Textiles
- Wood
- Paper



Household waste

Plastic waste

Pulper rags

Wood waste

- 1 Input
- 2 Output





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 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 latest IIoT solutions, we are available to keep operations running smoothly.

AUSTRIA

ANDRITZ AG, Graz
p: +43 316 6902 0

AUSTRIA

ANDRITZ AG, Vienna
p: +43 50805 5

RECYCLING@ANDRITZ.COM
ANDRITZ.COM/RECYCLING

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to get to know our
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