



RECYCLING

ADURO C SHREDDER

PRE-SHREDDING WITHOUT COMPROMISE

ANDRITZ

ENGINEERED SUCCESS



ADuro C-1300 SHREDDER / Workshop Graz, Austria

ADuro C shredder

Whenever volume needs to be reduced, waste prepared for incineration, or materials shredded for subsequent processing, ANDRITZ ADuro C lays the foundation for a successful recycling process.

MAIN ADVANTAGES OF THE ADuro C

- Suitable for a wide variety of applications
- Strong and robust machine design
- Reversing protects the machine, rotor and knives thanks to automatic detection of impurities
- Hydraulic pusher for higher throughput
- Cutter with polygonal rotor shafts for high power transmission
- Coupled shafts for faster shaft exchange
- Precision-worked knives for exact cutting
- Heavy-duty model available, perfectly suited to processing highly abrasive materials

The success of a recycling plant essentially depends on the first stage: Pre-shredding of difficult materials. The ADuro C takes care of this task in a vigorous and reliable way and prepares large-volume material to best advantage for further processing.

There are machine sizes with different knife types available that are suitable for various applications and material types. The knives shred the material into strips. The size of the output fraction is determined by the width of the knives, which are available in 50, 70, or 100 millimeters. In the second recycling stage, the pre-shredded material can be processed optimally with ADuro G, for instance, which breaks down the input material uniformly into the desired particle size.

ANDRITZ Recycling offers the entire process chain, from infeed and shredding technology to strict separation of the valuable fractions.

SIZES AND TECHNICAL DATA

| | Cutting width [mm] | Drive power [kW] | Weight [t] |
|--------|-----------------------|---------------------|---------------|
| C-1050 | 1,050 | 2 x 22 – 30 | 9 |
| C-1300 | 1,300 | 2 x 55 – 75 | 17 |
| C-1500 | 1,500 | 2 x 55 – 75 | 19 |
| C-2000 | 2,000 | 2 x 75 – 95 | 30 |

Innovative features for high flexibility

What makes the powerful ADuro C shredder stand out is its special design. Its design features ensure high operating reliability, easy maintenance and higher throughput, even for the most demanding applications.

COUPLED SHAFTS

A key component of the ADuro C shredder are the coupled shafts. They facilitate knife exchange since the gear unit does not have to be dismantled during maintenance tasks. Downtime is thereby reduced considerably.

HYDRAULIC PUSHER

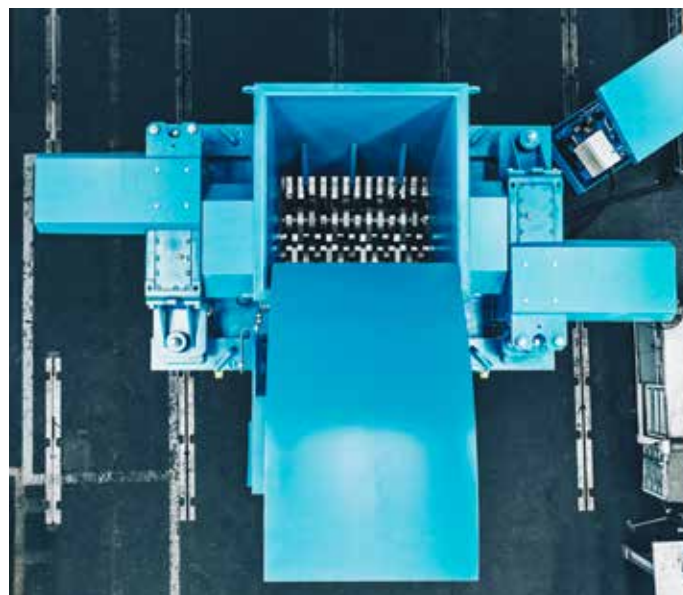
The ADuro C can be equipped with a hydraulic pusher to achieve remarkably high throughput. The pusher movement correlates directly with the motor current. If the motor current is too high, the pusher automatically reduces its force on the material. In the event that the current reaches a critical value, the pusher moves back up and a reversing cycle begins. Different pusher types, such as special solutions for tires, ensure most efficient treatment of the processed materials.

HEAVY-DUTY MACHINE DESIGN

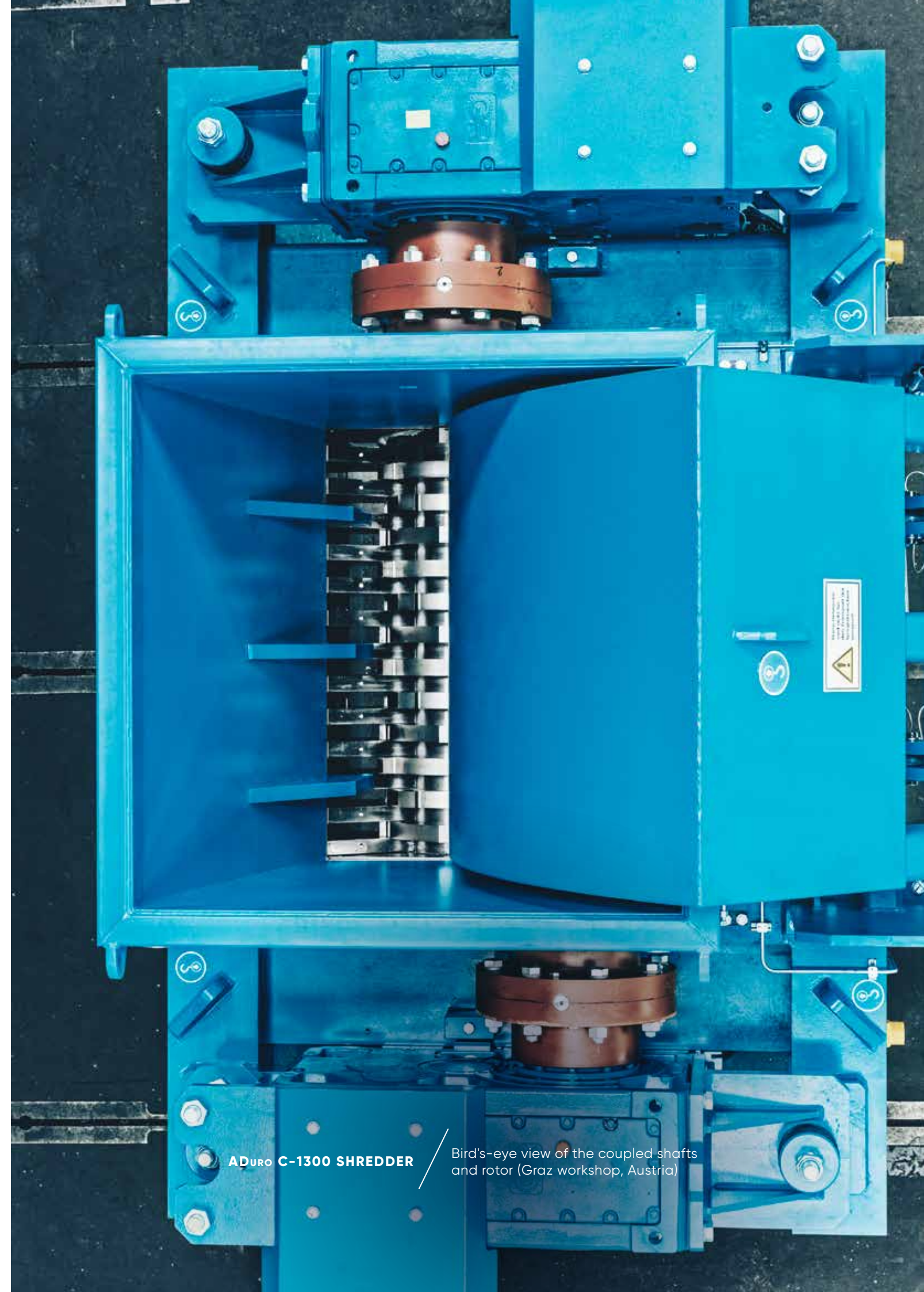
Besides the standard ADuro C model, ANDRITZ Recycling also offers special machine equipment for heavy-duty applications. Scrapers and other wear parts are made of highly resistant Hardox to ensure extremely low wear, even during the processing of abrasive materials, such as pulper rags or larger parts made of metal.



Coupled shafts greatly contribute to reducing downtime



Hydraulic pusher to achieve higher throughput



ADURO C-1300 SHREDDER

Bird's-eye view of the coupled shafts and rotor (Graz workshop, Austria)



Powerful pre-shredding of difficult materials

Whether you have cables, tires, textiles or large parts made of metal – the ADuro C performs powerful, precise and reliable shredding of a wide range of materials.

All ADuro C shredders have a slow-running and low-noise twin-shaft cutter. The pull-in lugs of the counter-rotating cutter discs grasp the shredding material and pull it in. The material is shredded into strips by the knives. Their width determines the size of the shredded output material. Fixed scrapers between the rotating knives keep the cutter free of any material.

INPUT MATERIALS

- Household and industrial waste
- Used tires
- Aluminum profiles
- Pulp and paper rejects
- Textiles
- Shredder-light fraction
- Automotive parts
- Mattresses
- Cable scrap
- Barrels made of steel or plastic



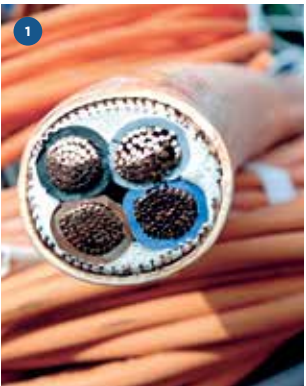
Aluminium profiles



Used tires



Steel barrels



Cable scrap

- 1 Input
- 2 Output



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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