



SHREDDERS

INDUSTRIAL SHREDDING SOLUTIONS

REUSER

BEAR IN MIND THE GREEN FUTURE

RANGER

ENJOYER

Arm yourself with cutting-edge solutions and lead the way towards a greener future. Experience the innovative shredders by Robust – rule-breaking equipment that reigns supreme.

robust.si



TABLE OF CONTENTS

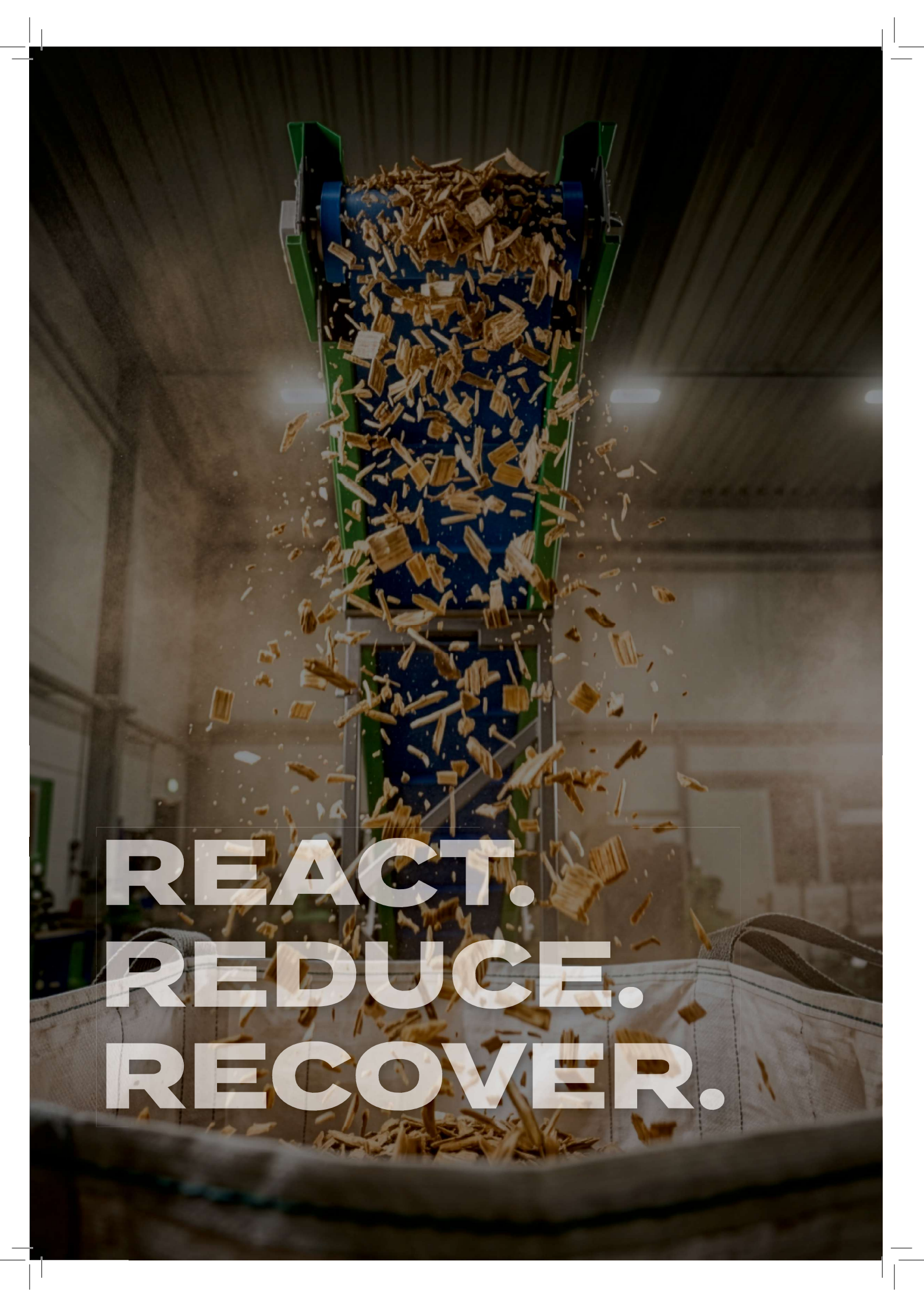
INTRODUCTION	7
OUR HISTORY	8
MATERIAL PROCESSING & APPLICATION	10
Environmental Impact	12
Before & After	14
REUSER SHREDDING SOLUTIONS	16
SD 450	18
SD 450 LAB	20
SD 600	22
SD 700	24
SD 900	26
SD 900 XL	28
SD 1300	30
ID 1400	32
PD 1500	34
HD 1500	36
QD 450	38
LD 350	40
GD 500	42
XD 1500	44
REUSER COMPACTION SOLUTIONS	46
BR 700	48
BR 1000	50
OPTIONAL EQUIPMENT & ACCESSORIES	52
RVT 350	54
RZC	56
RNS 350	58
Additional magnetic options	60
Other equipment	62
Compatibility Matrix	66
ROBUST REUSER™ TECHNOLOGY	68
Rotors & cutting technology	70
Drives & Overload protection	71
Feeding & pusher systems	72
Connectivity & Smart control	73
AFTERSALES SERVICES	74
Service packages	75
REFERENCES	78

RECOVER.

REDUCE.

REACT.

UNLEASH THE TRUE POTENCIAL OF RECYCLING.

A photograph of a wood chipper in a factory setting. A large quantity of wood chips is being discharged from a green and blue conveyor system into a large, light-colored woven bag at the bottom. The scene is dimly lit, with some light reflecting off the chips in the air.

**REACT.
REDUCE.
RECOVER.**

OUR DNA.

Dear Partners and Friends,

In a world where resources are limited and environmental responsibility is no longer optional, how we handle waste defines our future. At Robust, we believe that waste is not the end of a product's lifecycle, but the beginning of a new opportunity.

With our Reuser line, we are introducing a powerful response to global environmental challenges. Our mission is captured in three simple yet uncompromising actions: **React. Reduce. Recover.**

We **react** to the market's demands for efficient waste management. We help you **reduce** the volume of industrial and organic waste, and we provide the technology to **recover** valuable raw materials, closing the loop of the circular economy.

Our shredders are engineered and built with the signature Robust durability, power, and uncompromising safety. They are designed to withstand the toughest conditions while delivering the efficiency your business needs to grow sustainably.

Thank you for trusting us as your partner in building a cleaner, more efficient tomorrow.

Marko Krajnc

Managing Director, Robust d.o.o.



OUR VISION.

To become a legendary brand, the first choice among users and an innovator in the field of developing smart technologies in the industry of forestry machinery, recycling technology and everyday products.

OUR MISSION.

Searching for alternative ways to established norms. Listen to our users and co-create together with them. Constantly looking for solutions that make it easier to use, save time and save money.

OUR HISTORY

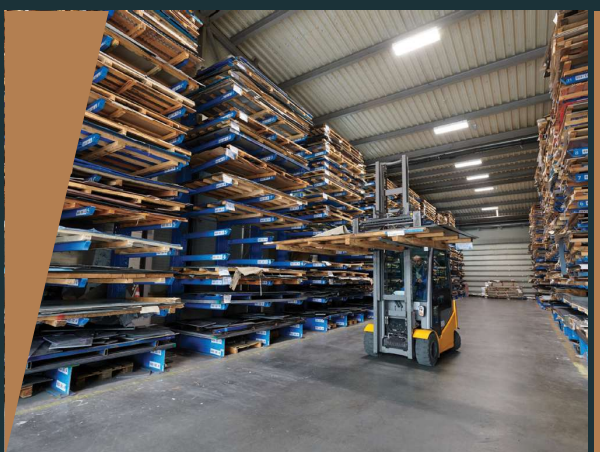


2008 – Beginning of Production Robotization

In 2008, we began introducing robotic welding and robotic material bending technologies into the production processes.

2017 – Construction of Additional Building

At the end of 2017, we completed the construction of a new facility at the existing location, with approximately 4000m², which provided additional storage, assembly, development, and commercial capacities for the development and marketing of the Robust brand.



2019 – Increase of Storage Capacities

In 2019, we completed a project to expand additional warehouse capacities. The increased demand for our key products, such as log splitters, conveyor belts, wood waste shredders, and other forestry and recycling equipment, is one of the main reasons for this investment.

Opening
of the Reuser
Demo Center

2025



2022 – Expansion of Production Facilities

The Robust brand is expanding and growing rapidly; in 2021 alone, we recorded a 50% growth in the sale of forestry equipment and recycling machines. Our production capacities are fully utilized, so we upgraded our production capacity by expanding business premises to meet the growing demand for our products.

2025 – Opening of the Reuser Demo Center

Located right next to our headquarters, our brand-new Demo Center provides partners with a unique hands-on experience. Visitors can now test our heavy-duty shredders in real-time, analyze throughput on various materials, and find the absolute best tailored recycling solution for their specific industrial needs.



Beginning of
Production
Robotization

2008

Increase
of Storage
Capacities

2019

2017

Construction
of Additional
Building

2022

Expansion of
Production
Facilities



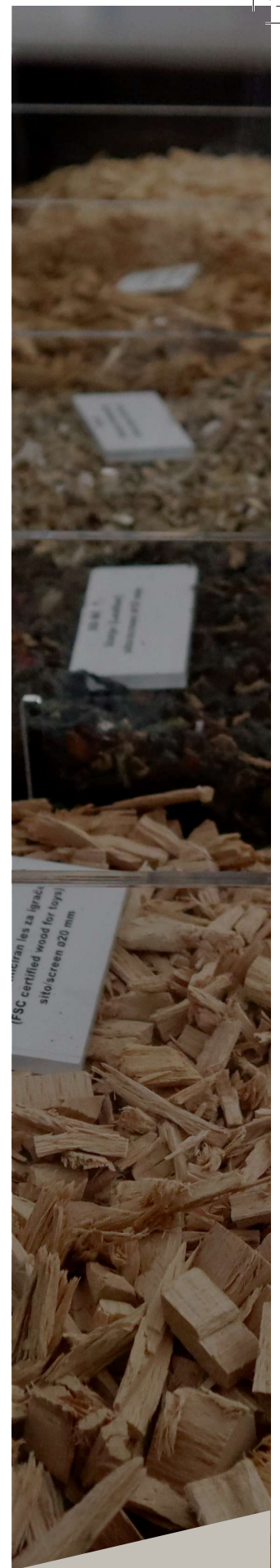
The background image is a dense, chaotic pile of brown cardboard boxes and crumpled paper. Some visible text on the cardboard includes "8 PIECE CUT CHICKEN", "24955 928", "Dole Strawberries • Fraises", "Perfect at home or on the go! High in Vitamin C", "EASY PEEL, SEEDLESS", "1-877-4U2-NJO", "RSQ14", "16 - 14 07", "3-1 GAL. GENERIC", "MPDE", "VENT", "ITENGA", "3045", "Dole", "FRESH PICKED", "The Field", "VE", "ME", "NEAR", "9321", "date", "TM", "1-877-4U2-NJO", "RSQ14", "16 - 14 07", "3-1 GAL. GENERIC", "MPDE", "VENT", "ITENGA", "3045", "Dole", "FRESH PICKED", "The Field", "VE", "ME", "NEAR", "9321", "date", "TM".

MATERIAL PROCESSING & APPLICATION

TURNING DIVERSE WASTE INTO HIGH-VALUE RESOURCES

From resilient hardwoods and soft packaging paper to tough automotive tyres and valuable electronic scrap—modern recycling demands maximum operational flexibility. Robust Reuser shredders are built to process an exceptionally broad spectrum of waste streams, transforming bulky, unmanageable input into precise, uniform, and clean fractions.

Backed by high-torque cutting geometry, custom screen configurations, and intelligent drive control, our machinery ensures consistent particle sizing, minimal dust generation, and zero compromises on throughput—regardless of the material's density, softness, or toughness.



APPLICATIONS BY MATERIALS

WOOD WASTE

Generated across carpentry workshops, sawmills, and furniture manufacturing. Our shredders reduce bulky wood waste—including solid wood, soft wood, OSB, MDF, plywood, veneer, pallets, bark, and chips—into uniform fractions, drastically simplifying storage and transport logistics.



WOOD WASTE

PLASTIC

Processing plastic waste is a vital step in modern recycling. Robust Reuser shredders handle a wide range of polymers (PP, PE, PET, HDPE, ABS, PS, PA, PVC) in various forms, cutting bulky waste into manageable pieces as an essential primary step before washing or granulating.



PLASTIC

PAPER & CARDBOARD

Millions of tons of packaging, boxes, and cardboard tubes are generated annually. Shredding and compacting cardboard waste drastically minimizes required storage space, lowers transport costs, and prepares clean material for paper mill recycling.



PAPER &
CARDBOARD

PACKAGING

Waste packaging encompasses plastic films, paperboard, and composite packaging. Primary volume reduction significantly cuts transport emissions, reduces handling costs, and helps transition industrial packaging waste into a circular economy loop.



PACKAGING

INDUSTRIAL WASTE

Heavy, bulky, and irregular waste generated in manufacturing plants disrupts internal logistics. Primary shredding optimizes plant storage, lowers disposal fees, and simplifies waste handling across production facilities.



INDUSTRIAL
WASTE

MUNICIPAL WASTE

Heterogeneous waste from households, businesses, and institutions continues to grow. Pre-shredding municipal waste reduces overall bulk volume, streamlines handling, and serves as an important preparation step for automated sorting lines or RDF production.



MUNICIPAL
WASTE

RUBBER & TYRES

Scrap tyres and rubber pose major environmental hazards and space challenges. High-torque shredding cuts tough tyres and industrial rubber into smaller fragments, significantly reducing volume, eliminating storage risks, and preparing the material for further processing.



RUBBER

ELECTRONIC WASTE & CABLES

E-waste contains valuable metals like copper, aluminum, gold, and silver. Shredding electronic devices, components, and cables is a crucial primary phase in the recycling chain, liberating bound materials so they can be extracted and recovered in downstream processing.



E-WASTE

SPECIAL WASTE

Certain materials require controlled size reduction due to their specific properties. Our heavy-duty machines safely shred thin metal sheets, aluminum scrap, and specialized industrial by-products according to strict operational and safety requirements.



SPECIAL
WASTE

AGRICULTURE

Crop residues and organic farm by-products are valuable resources. Shredding agricultural waste into smaller, uniform fractions simplifies handling and prepares organic matter for efficient composting, soil enrichment, or biomass energy recovery.



AGRICULTURAL
WASTE

TEXTILES

Synthetic and natural fabric residues, textile rolls, and production scraps require precise cutting. Pre-shredding reduces textile volume for easier containment, transport, or further thermal and mechanical recycling.



TEXTILES

MEDICAL WASTE

Highly regulated medical waste streams demand safe and hygienic handling. Specialized compact shredding (such as the SD 450 LAB) provides controlled volume reduction of pre-treated waste, preparing it for safe disposal or thermal sterilization prep.



MEDICAL
WASTE



MATERIAL TRANSFORMATION

INPUT: Solid wood, pallets & OSB scrap

OUTPUT: Uniform chips & biomass fraction

RESULT: Up to 80% volume reduction for easy storage and transport.

WOOD WASTE



INPUT: Bulky plastic containers & hollow bodies

OUTPUT: Precise flakes ready for washing or granulating

RESULT: Clean fraction without thermal material degradation.

PLASTICS (PP / PE / PET)



INPUT: Loose, soft packaging

OUTPUT: Homogenous shredded fraction

RESULT: lawless shearing action without material jamming or compression.

PAPER & CARDBOARD



INPUT: Mixed electronic scrap & copper cables

OUTPUT: Fully liberated copper & plastic particles

RESULT: Essential first stage for 100% downstream metal recovery.

CABLES & E-WASTE



INPUT: Tough passenger car tires & rubber belts

OUTPUT: Uniform primary fragments

RESULT: High-torque cutting that easily masters reinforced steel beads.

TIRES & RUBBER



INPUT: Mixed commercial waste & RDF material

OUTPUT: Homogenous, energy-dense fuel fraction

RESULT: Consistent particle sizing for incineration.

MUNICIPAL WASTE





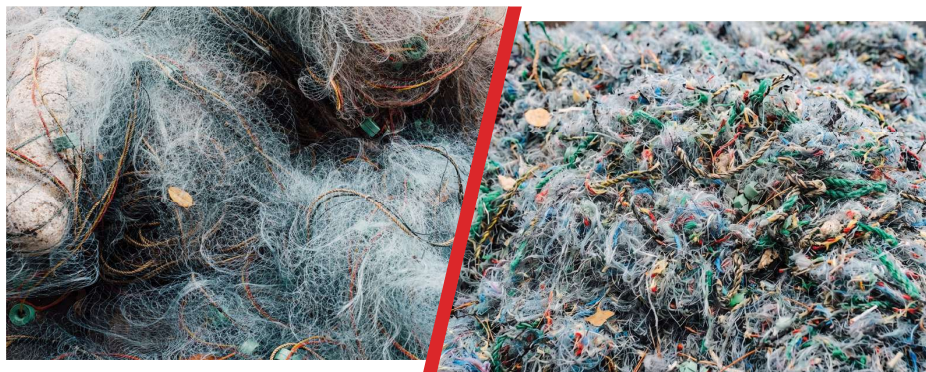
MATERIAL TRANSFORMATION

INPUT: Heavy marine fishing nets & pulper ropes

OUTPUT: Uniform shredded fragments for pelletising

RESULT: High-torque reduction without thermal melting.

FISHING NETS & ROPES



INPUT: Post-industrial fabric scrap & clothing

OUTPUT: Controlled, short-fibre textile fraction

RESULT: Clean shearing action prevents rotor wrapping.

TEXTILES & FABRICS



INPUT: Plastic syringes, blister packs & waste

OUTPUT: Safe, fully deconstructed sterile shred

RESULT: Reliable volume reduction for safe handling.

MEDICAL WASTE



Facing a tough shredding challenge?

Find your solution in our Demo Center

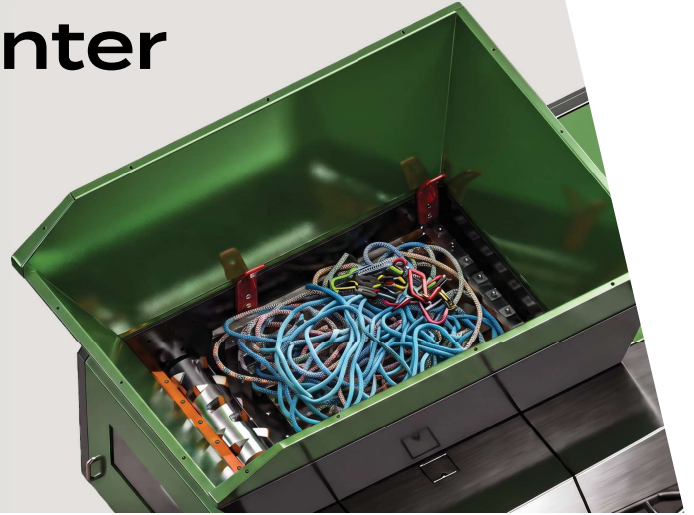
Guided Live Testing

Test your material on suitable machines with our expert team.

Customisation Advice

Get tailored recommendations for machine modifications.

Request Your Test Run



INPUT: Thin pharmaceutical blisters & aluminum scrap

OUTPUT: Compact, high-density metal shred

RESULT: Clean separation prep with minimal dust fines.

ALUMINUM BLISTERS & FOILS



INPUT: Crop residues & organic farm by-products

OUTPUT: Uniformly shredded organic fractions

RESULT: Ideal prep for composting and biomass recovery.

AGRICULTURAL WASTE





REUSER SHREDDING SOLUTIONS

ENGINEERED FOR UNCOMPROMISING PERFORMANCE

The Robust Reuser shredder lineup represents the pinnacle of efficiency, durability, and smart engineering. Designed to process a vast spectrum of waste streams – from fine wood residues and bulky pallets to heavy industrial scrap and tough rubber tyres – our single-, twin-, and four-shaft systems deliver maximum volume reduction for continuous 24/7 industrial operation.

Powered by intelligent control systems, heavy-duty drives, and precision cutting geometries, Reuser shredders turn challenging waste into valuable secondary raw materials or sustainable biomass fuel.

REUSER STANDARD FEATURES

Every Robust Reuser shredder is built upon a foundation of premium components, intelligent control, and uncompromising safety standards to guarantee long-term operational reliability.



24-Month Extended Warranty

All machines include up to 24-month or 2,000-operating-hour warranty (whichever comes first), reflecting our commitment to long-term reliability.



ReSmart™ PLC Control

Equipped with an independent Unitronics® PLC unit featuring ReSmart™ software, automated reverse overload protection, and optional remote diagnostics.



Premium Powder-Coated Finish

Protected by high-durability coating in official Robust colors: RAL 6017 (Green) and RAL 7016 (Anthracite Grey).



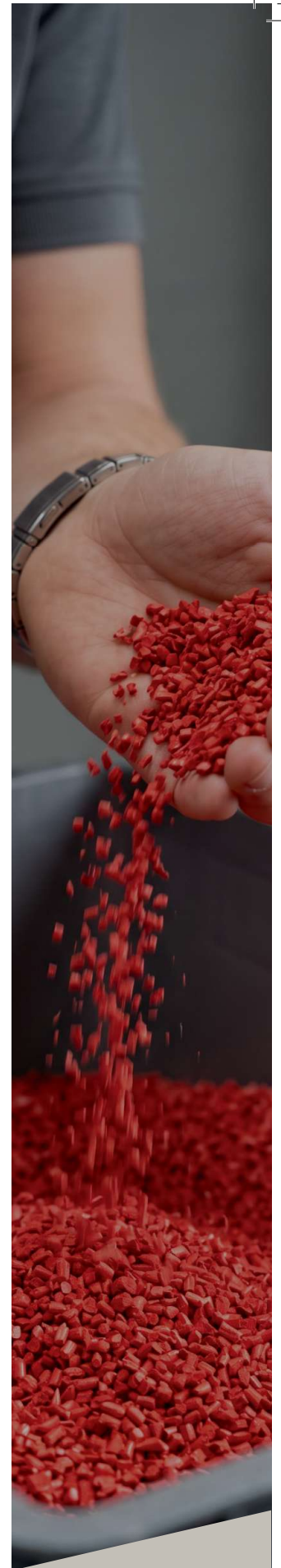
Energy-Efficient Drive Technology

Powered by premium electric motors, VFD speed regulation, or planetary gearboxes engineered to lower power consumption by up to 50%.



EU Safety & Compliance

Fully certified and manufactured in accordance with strict CE directives, European machinery standards, and safety clearance regulations.



REUSER SD 450

Compact Pusher-Free Shredding

Engineered as a compact and ergonomic entry-level solution for small to medium-sized workshops, the Robust Reuser **SD 450** delivers high efficiency with minimal power consumption.

Built around a smart pusher-free single-shaft system, it effortlessly processes a wide range of materials – including SOLID WOOD, CHIPBOARD, MDF, OSB, PLASTICS, AND E-WASTE.

Designed for low-maintenance, quiet, and reliable daily operation, it can be optionally equipped with a protective top cover to prevent material ejection during shredding.



ADVANTAGES

- Compact pusher-free single-shaft system for low maintenance and effortless daily operation
- **Versatile material processing** handling solid wood, chipboard, MDF, OSB, plastics, and e-waste
- **Unitronics® PLC unit**
- **High-speed shaft (265 rpm)** with tempered steel knives for fine, uniform granulate
- **Optional protective cover** to prevent uncontrolled material ejection during cutting
- Seamless output integration compatible with dedicated Robust Reuser screw conveyors or local suction system
- **External shaft bearings** for extended machine lifespan and simplified servicing



TECHNICAL SPECIFICATIONS

Performance & power (Electric motor)		
Rated power	11 / 15	kW
Required fuses *	Min. 25 / 32	A
Capacity **	Up to 1.5	m3/h
Cutting system		
Number of cutting shafts	1	pcs
Shaft length	430	mm
Shaft diameter	160	mm
Number of knives	15	pcs
Shaft speed	265	rpm
Available screen sizes	10 / 12 / 15 / 20 / 30 / 40	mm
Hopper		
Hopper opening on the shaft	620 × 430	mm
Dimensions & weight		
Dimensions (L / W / H)	949 / 1170 / 1905	mm
Weight	770	kg

* Standard power supply: 400 V / 50 Hz. Other voltages available on request.

** Capacity depends on the screen size and the type of material.

MATERIAL



WOOD WASTE



PLASTIC



PAPER &
CARDBOARD



PACKAGING

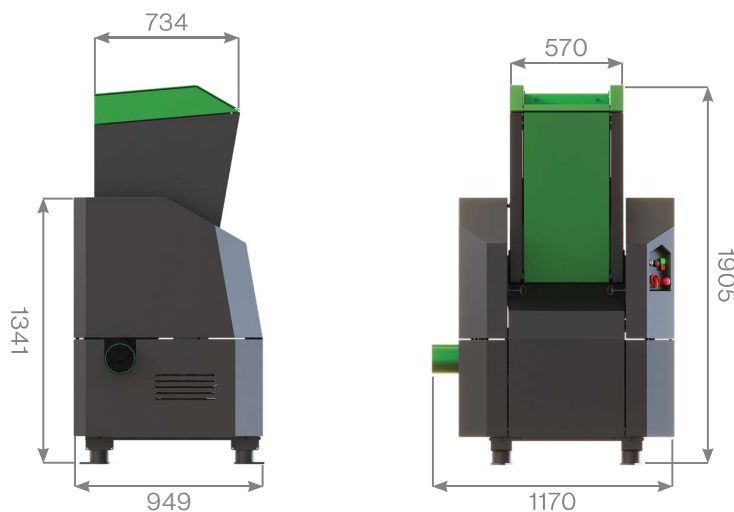


AGRICULTURAL
WASTE



ELECTRONIC
CABLES

INFORMATION & EQUIPMENT



REUSER SD 450 LAB

Precision Laboratory Shredding

Designed specifically for DEMANDING TESTING FACILITIES AND R&D ENVIRONMENTS, the Robust Reuser **SD 450 LAB** brings absolute control and cleanliness to material processing.

Featuring a sound-insulated feed hopper, a high-speed single-shaft cutting unit, and a premium stainless steel collection box, it delivers uniform granulate without cross-contamination.



ADVANTAGES

- Precision single-shaft shredding system engineered for laboratory and research applications
- Insulated feed hopper ensuring significantly quieter material input and processing
- **Unitronics® PLC unit** with data collection
- Stainless steel collection container for easy cleaning and contamination-free output
- **High-speed Shaft (470 rpm)** with hardened steel knives for precise granulate size
- Interconnected safety features including a protective hopper cover
- Easy integration with external laboratory systems & flexible 10-meter power cable
- 4 adaptable sieves included (ø10, ø12, ø15, ø30 mm)
- Extended reliability backed by a 4-year or 2000-hour warranty



TECHNICAL SPECIFICATIONS

Performance & power (Electric motor)		
Rated power	11 / 15	kW
Required fuses *	Min. 25 / 32	A
Capacity **	Up to 1.5	m3/h
Cutting system		
Number of cutting shafts	1	pcs
Shaft lenght	430	mm
Shaft diameter	160	mm
Number of knives	15	pcs
Shaft speed	470	rpm
Available screen sizes	10 / 12 / 15 / 20 / 30 / 40	mm
Hopper		
Hopper opening on top	590 × 252	mm
Hopper opening on the shaft	620 × 430	mm
Dimensions & weight		
Dimensions (L / W / H)	948 / 1170 / 2111	mm
Weight	920	kg

* Standard power supply: 400 V / 50 Hz. Other voltages available on request.

** Capacity depends on the screen size and the type of material.

MATERIAL



WOOD WASTE



PLASTIC



PAPER & CARDBOARD



PACKAGING



AGRICULTURAL WASTE

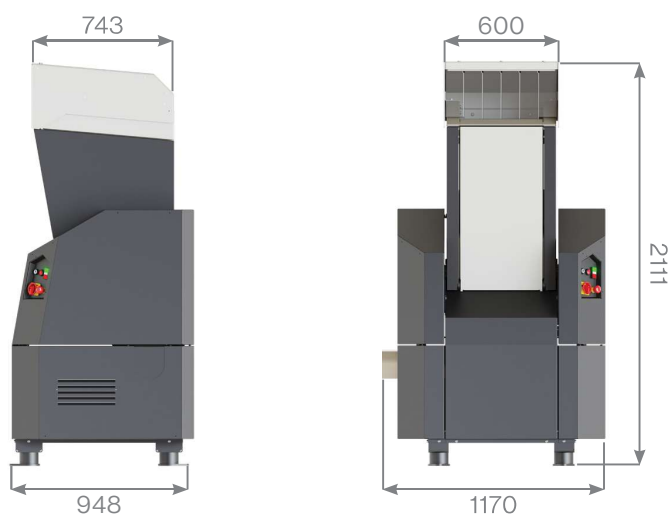


ELECTRONIC CABLES



MEDICAL WASTE

INFORMATION & EQUIPMENT

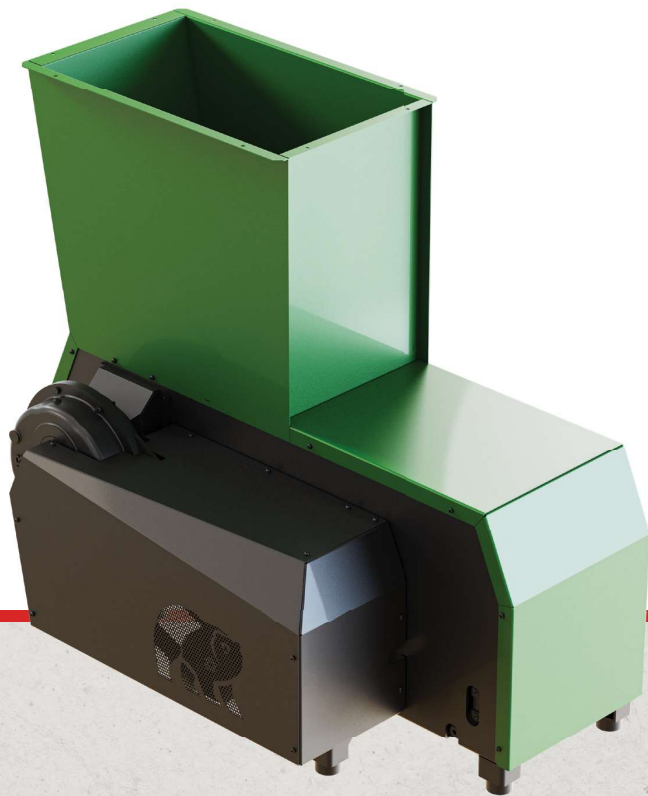


REUSER SD 600

The Woodworker's Gold Standard

A true favorite among woodworking professionals, the Robust Reuser **SD 600** brings serious hydraulic power into a remarkably compact footprint.

Its space-saving design neatly houses the entire 20-liter hydraulic unit inside the protective casing, shielding sensitive components from dust while its intelligent pusher maximizes material grip and shredding efficiency.



ADVANTAGES

- Single-shaft universal shredding system for maximum versatility
- Flexible material feeding via excavator, forklift, or hydraulic lifting arm
- **Mitsubishi Electric® GOC** (Graphic Operation Controller) PLC unit with **ReSmart™** intelligent control
- **ReBoost™** technology for faster pusher cycles and optimal throughput
- High-productivity cutting system suitable for hard solid and soft wood
- External Shaft bearings for easy maintenance and longer machine lifespan
- Integrated hydraulic unit (20 l) & **Hardox®** screen for uniform output
- Easy integration with screw conveyors or local suction system

TECHNICAL SPECIFICATIONS

Performance & power (Electric motor)		
Rated power	15 / 18.5	kW
Required fuses *	Min. 40 / 50	A
Capacity **	Up to 2.5	m3/h
Cutting system		
Number of cutting shafts	1	pcs
Shaft lenght	550	mm
Shaft diameter	260	mm
Number of knives	14 (+2 cleaning knives)	pcs
Shaft speed	80-120	rpm
Available screen sizes	10 / 15 / 20 / 30	mm
Hopper & hydraulics		
Hopper opening on the shaft	946 × 567	mm
Volume of the feed hopper	0.4	m3
Hidraulic oil capacity	20	l
Dimensions & weight		
Dimensions (L / W / H)	1881 / 1116 / 1670	mm
Weight	1250	kg

* Standard power supply: 400 V / 50 Hz. Other voltages available on request.

** Capacity depends on the screen size and the type of material.

MATERIAL



WOOD WASTE



PLASTIC



PAPER & CARDBOARD

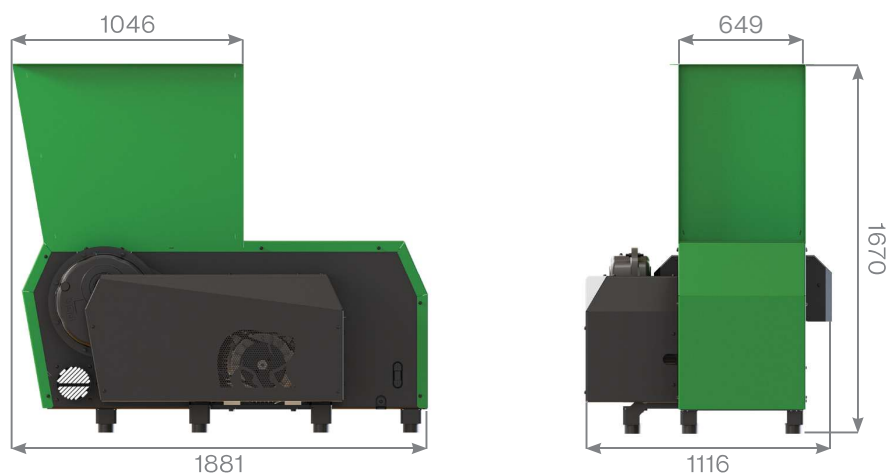


PACKAGING



AGRICULTURAL WASTE

INFORMATION & EQUIPMENT



REUSER SD 700

High-Torque Smart Performance

Built for growing businesses and medium-sized production plants, the Robust Reuser **SD 700** delivers an impressive throughput of up to 5 m³/h.

Driven by an advanced Siemens® PLC and high-torque pusher technology, it dynamically responds to heavy loads – automatically engaging auto-reverse to eliminate jamming, protect the single-shaft unit, and keep your production flowing without interruption.



ADVANTAGES

- Single-shaft universal shredding system for maximum versatility
- Flexible material feeding via conveyor, forklift, or hydraulic lifting arm
- **Siemens® PLC unit with ReSmart™** intelligent control & optional remote access
- **ReBoost™ & ReMotion™** technologies for faster pusher cycles and jam-free operation
- High-productivity cutting system suitable for hard solid and soft wood
- External Shaft bearings for easy maintenance and longer machine lifespan
- Integrated hydraulic unit (30 l) & **Hardox®** screen for uniform output
- Easy integration with RZC 350 conveyor belt or local suction system

TECHNICAL SPECIFICATIONS

Performance & power (Electric motor)		
Rated power	18.5 / 22 / 30	kW
Required fuses *	Min. 50 / 63 / 80	A
Capacity **	Up to 5	m3/h
Cutting system		
Number of cutting shafts	1	pcs
Shaft lenght	650	mm
Shaft diameter	270	mm
Number of knives	28	pcs
Shaft speed	80-120	rpm
Available screen sizes	10 / 12 / 15 / 16-12 / 20-15 / 30-20 / 30 / 40 / 50	mm
Hopper & hydraulics		
Hopper opening on top	1446 × 1345	mm
Hopper opening on the shaft	825 × 650	mm
Volume of the feed hopper	0.7	m3
Hidraulic oil capacity	30	l
Dimensions & weight		
Dimensions (L / W / H)	2152 / 1752 / 2036	mm
Weight	1750	kg

* Standard power supply: 400 V / 50 Hz. Other voltages available on request.

** Capacity depends on the screen size and the type of material.

MATERIAL



WOOD WASTE



PLASTIC



PAPER & CARDBOARD

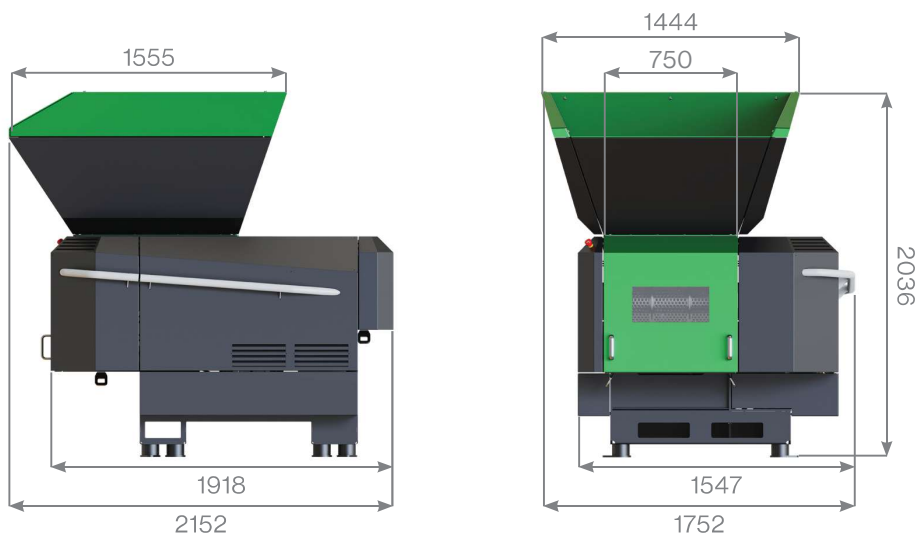


PACKAGING



AGRICULTURAL WASTE

INFORMATION & EQUIPMENT

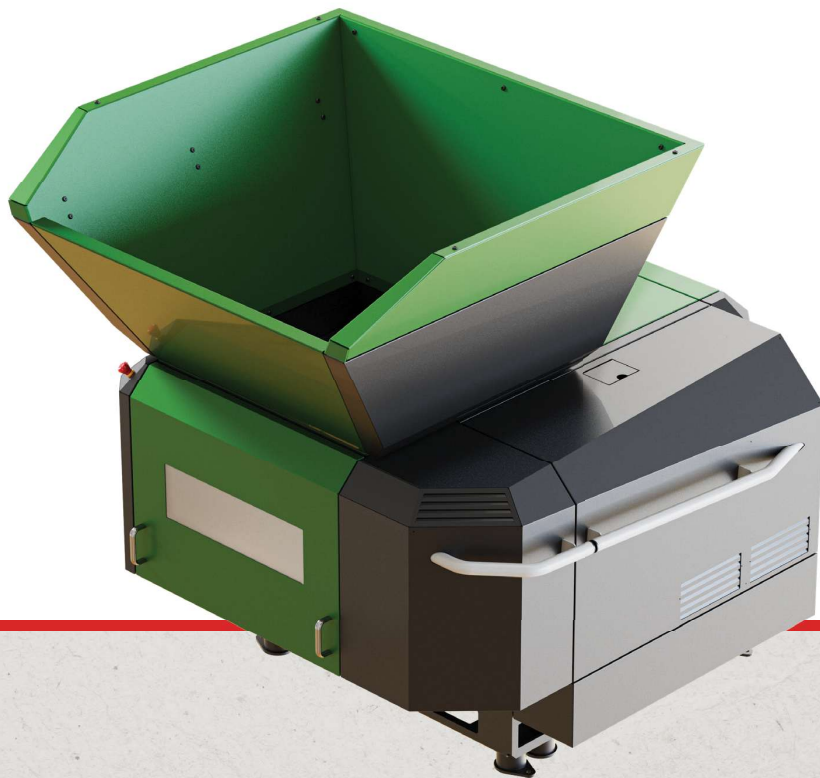


REUSER SD 900

Versatile Biomass & Recycling

The Robust Reuser **SD 900** is the ultimate workhorse for transforming BULKY WOOD, PLASTIC, AND PAPER WASTE into high-value resources.

Specifically optimized for generating homogeneous granulate for biomass boilers, briquetting, or plastic regeneration, it pairs robust construction with intelligent Siemens® ReSmart™ control to maximize your plant's energy self-sufficiency.



ADVANTAGES

- Single-shaft universal shredding system for maximum versatility
- Flexible material feeding via conveyor, excavator, forklift, or hydraulic lifting arm
- **Siemens® PLC unit with ReSmart™** intelligent control & optional remote access
- **ReBoost™ & ReMotion™** technologies for faster pusher cycles and jam-free operation
- High-productivity cutting system suitable for hard solid and soft wood
- External Shaft bearings for easy maintenance and longer machine lifespan
- Integrated hydraulic unit (30 l) & **HARDOX®** screen for uniform output
- Easy integration with RZC 350 conveyor belt or local suction system

TECHNICAL SPECIFICATIONS

Performance & power (Electric motor)		
Rated power	18.5 / 22 / 30	kW
Required fuses *	Min. 50 / 63 / 80	A
Capacity **	Up to 6.5	m3/h
Cutting system		
Number of cutting shafts	1	pcs
Shaft length	870	mm
Shaft diameter	270	mm
Number of knives	38	pcs
Shaft speed	80-120	rpm
Available screen sizes	10 / 15 / 16-12 / 20-15 / 30-20 / 30 / 40 / 50	mm
Hopper & hydraulics		
Hopper opening on top	1446 × 1565	mm
Hopper opening on the shaft	862 × 825	mm
Volume of the feed hopper	0.8	m3
Hydraulic oil capacity	30	l
Dimensions & weight		
Dimensions (L / W / H)	2161 / 1973 / 2036	mm
Weight	2050	kg

* Standard power supply: 400 V / 50 Hz. Other voltages available on request.

** Capacity depends on the screen size and the type of material.

MATERIAL



WOOD WASTE



PLASTIC



PAPER & CARDBOARD

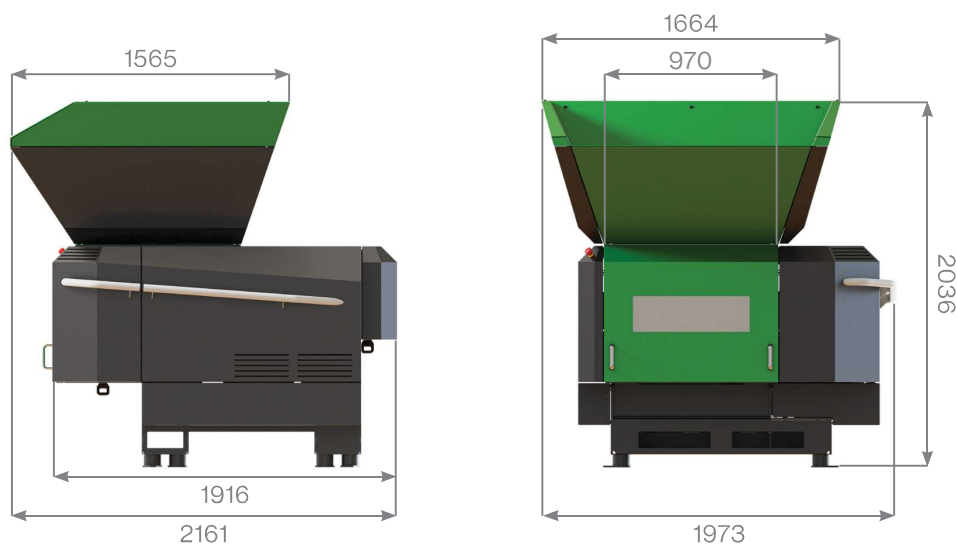


PACKAGING



AGRICULTURAL WASTE

INFORMATION & EQUIPMENT

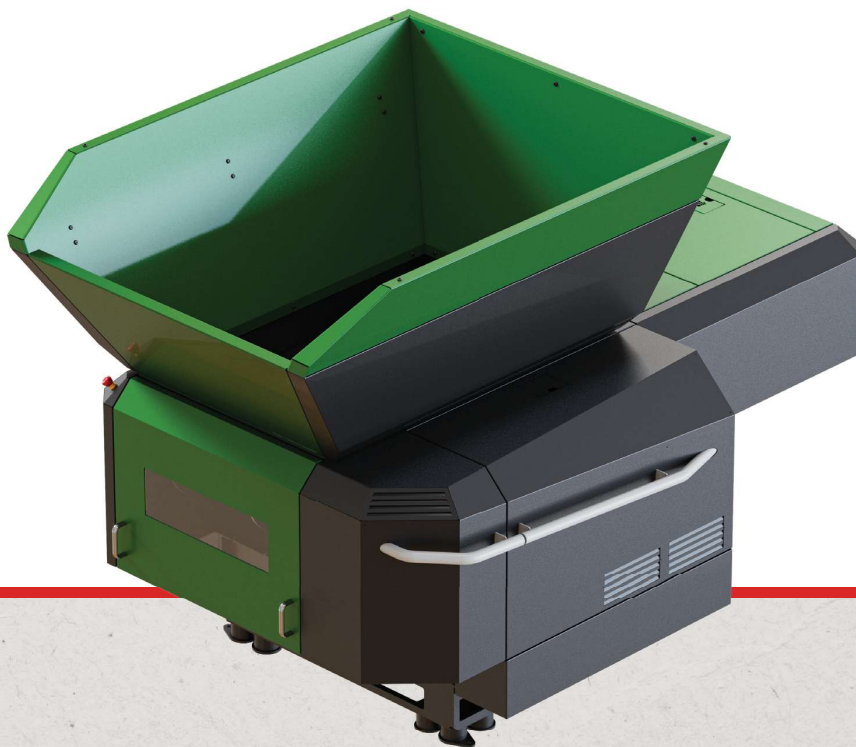


REUSER SD 900 XL

Aggressive Bulky-Waste Power

Designed to dominate the toughest recycling challenges, the Robust Reuser **SD 900 XL** combines massive single-shaft torque with an expanded hopper opening.

It effortlessly swallows and shreds LARGE-VOLUME TIMBER, PALLETS, PLASTIC SHELLS, AND CARDBOARD, utilizing the high-speed ReBoost™ pusher and ReMotion™ floor to convert heavy industrial waste into precise boiler fuel at maximum speed.



ADVANTAGES

- Single-shaft universal shredding system for maximum versatility
- Material feeding via excavator, forklift, or hydraulic lifting arm
- Flexible material feeding via conveyor, excavator, forklift, or hydraulic lifting arm
- **Siemens® PLC unit with ReSmart™** intelligent control & optional remote access
- **ReBoost™ & ReMotion™** technologies for faster pusher cycles and jam-free operation
- High-productivity cutting system suitable for hard solid and soft wood
- External Shaft bearings for easy maintenance and longer machine lifespan
- Integrated hydraulic unit (30 l) & **HARDOX®** screen for uniform output
- Easy integration with RZC 350 conveyor belt or local suction system

TECHNICAL SPECIFICATIONS

Performance & power (Electric motor)		
Rated power	18.5 / 22 / 20	kW
Required fuses *	Min. 50 / 63 / 80	A
Capacity **	Up to 7.5	m3/h
Cutting system		
Number of cutting shafts	1	pcs
Shaft length	870	mm
Shaft diameter	270	mm
Number of knives	38	pcs
Shaft speed	80-120	rpm
Available screen sizes	10 / 15 / 16-12 / 20-15 / 30-20 / 30 / 40 / 50	mm
Hopper & hydraulics		
Hopper opening on top	2131 × 1565	mm
Hopper opening on the shaft	1410 × 870	mm
Volume of the feed hopper	1.2	m3
Hydraulic oil capacity	30	l
Dimensions & weight		
Dimensions (L / W / H)	3228 / 1972 / 2036	mm
Weight	2450	kg

* Standard power supply: 400 V / 50 Hz. Other voltages available on request.

** Capacity depends on the screen size and the type of material.

MATERIAL



WOOD WASTE



PLASTIC



PAPER & CARDBOARD

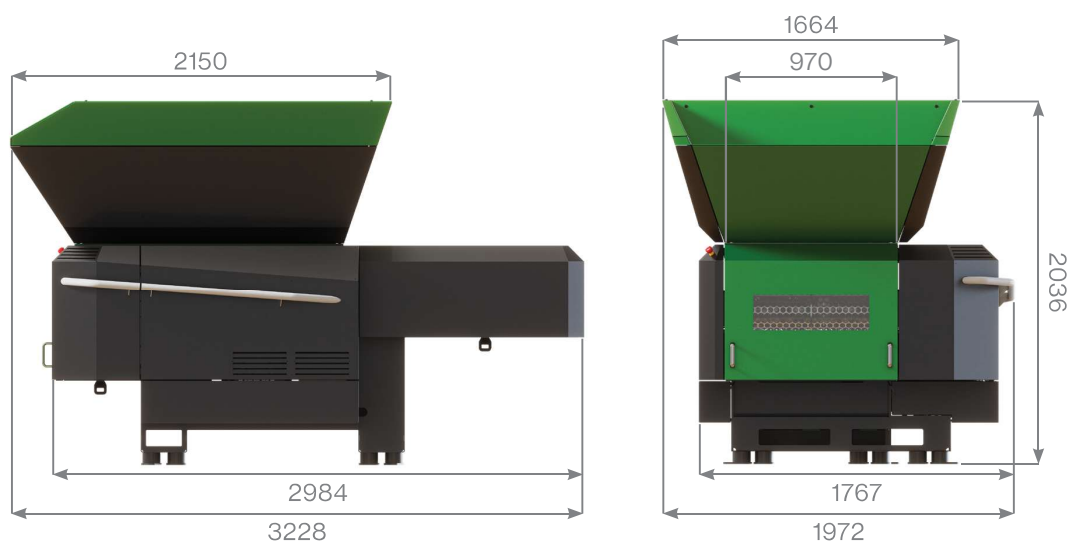


PACKAGING



AGRICULTURAL WASTE

INFORMATION & EQUIPMENT



REUSER SD 1300

Heavy-Duty Industrial Force

Standing at the apex of the Reuser line, the Robust Reuser **SD 1300** single-shaft universal shredder is built for non-stop, heavy-duty industrial processing.

Featuring a massive 320 mm shaft diameter, up to 55 kW of raw motor power, and a 120-liter hydraulic unit, it operates with uncompromising efficiency in the harshest working environments, setting the benchmark for ultimate capacity and durability.



ADVANTAGES

- Heavy-duty single-shaft shredding system for maximum capacity and power
- Flexible material feeding via conveyor, excavator, forklift, or hydraulic lifting arm
- **Siemens® PLC unit with ReSmart™** intelligent control & optional remote access
- **ReBoost™ & ReMotion™** technologies for faster pusher cycles and jam-free operation
- High-productivity cutting system suitable for both hard solid and soft wood
- External Shaft bearings for easy maintenance and extended operational lifespan
- High-capacity hydraulic unit (120 l) & **Hardox®** screen for uniform output
- Easy integration with RZC 350 conveyor belt or local suction systems

TECHNICAL SPECIFICATIONS

Performance & power (Electric motor)		
Rated power	37 / 45 / 55	kW
Required fuses *	Min. 100 / 125 / 160	A
Capacity **	Up to 10	m3/h
Cutting system		
Number of cutting shafts	1	pcs
Shaft lenght	1262	mm
Shaft diameter	320	mm
Number of knives	40, 54, 80	pcs
Shaft speed	80-120	rpm
Available screen sizes	10 / 15 / 16-12 / 20-15 / 30-20 / 30 / 40 / 50	mm
Hopper & hydraulics		
Hopper opening on top	2365 × 1780	mm
Hopper opening on the shaft	1745 × 1269	mm
Volume of the feed hopper	1.2	m3
Hidraulic oil capacity	120	l
Dimensions & weight		
Dimensions (L / W / H)	3861 / 2418 / 2229	mm
Weight	5250	kg

* Standard power supply: 400 V / 50 Hz. Other voltages available on request.

** Capacity depends on the screen size and the type of material.

MATERIAL



WOOD WASTE



PLASTIC



PAPER & CARDBOARD

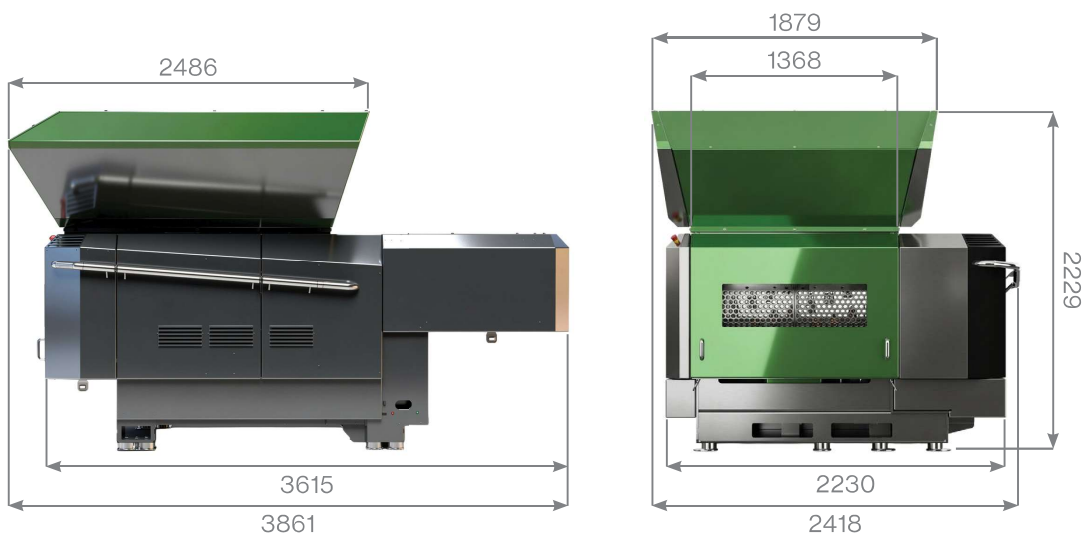


PACKAGING



AGRICULTURAL WASTE

INFORMATION & EQUIPMENT



REUSER ID 1400

Extreme Industrial Capacity

The Robust Reuser **ID 1400** heavy-duty single-shaft shredder is the ultimate solution when standard capacity is simply not enough. Engineered to handle **LARGE-VOLUME, HIGHLY DEMANDING INDUSTRIAL WASTE**, it combines massive motor power (up to 110 kW) with precision material processing.

Featuring an oil-cooled hydraulic system, Rosta® motor base, and specialized quick-maintenance doors, the ID 1400 sets a new benchmark for continuous, high-throughput recycling operations.

Swing hydraulic pusher, a compact feeding mechanism for pushing scrap material aggressively and precisely into the cutting shaft area.



ADVANTAGES

- Heavy-duty single-shaft system engineered for extreme throughput and bulky waste streams
- Flexible material feeding via conveyor, excavator, forklift, or hydraulic lifting arm
- High-capacity hydraulic unit (120 l) with integrated oil cooling for continuous industrial operation
- **Siemens® PLC unit with ReSmart™** intelligent control & optional remote access
- **ReBoost™ & ReMotion™** technologies for accelerated pusher speed and anti-jamming protection
- Specialized service doors ensuring fast, safe, and efficient machine maintenance
- **Rosta®** motor base for optimal belt tensioning, vibration absorption, and extended component life
- Includes 3 **Hardox®** screens (15-90" mm") for maximum operational versatility

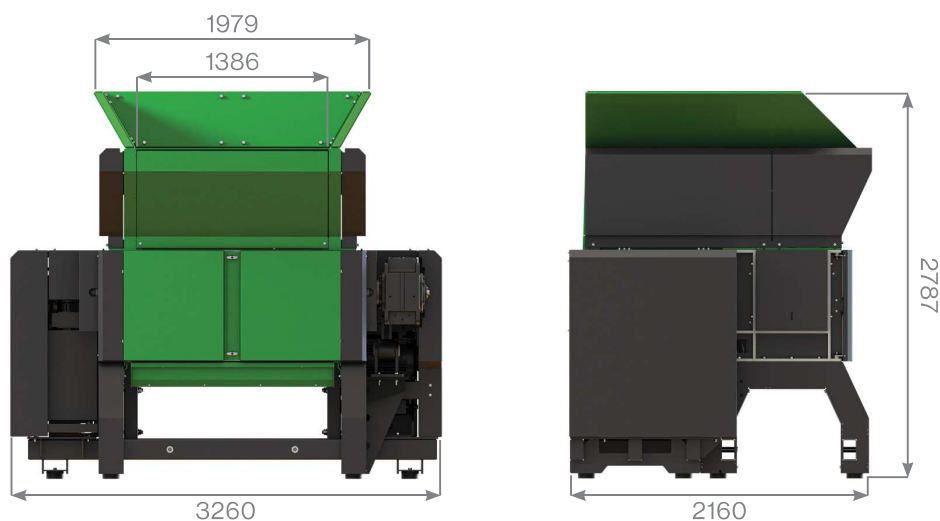
TECHNICAL SPECIFICATIONS

Performance & power (Electric motor)		
Rated power	55 / 75 / 90 / 110	kW
Required fuses *	Min. 160 / 250 / 300 / 355	A
Capacity **	Up to 15	m3/h
Cutting system		
Number of cutting shafts	1	pcs
Shaft lenght	1386	mm
Shaft diameter	315	mm
Number of knives	60	pcs
Shaft speed	30–80	rpm
Available screen sizes	15 / 20 / 30 / 50 / 70 / 90	mm
Hopper & hydraulics		
Hopper opening on top	1905 × 1851	mm
Hopper opening on the shaft	1788 × 1386	mm
Hidraulic oil capacity	120 (+ integrated oil cooler)	l
Dimensions		
Dimensions (L / W / H)	3260 / 2160 / 2787	mm

* Standard power supply: 400 V / 50 Hz. Other voltages available on request.

** Capacity depends on the screen size and the type of material.

INFORMATION & EQUIPMENT



MATERIAL



WOOD WASTE



PLASTIC



PAPER & CARDBOARD



PACKAGING



MUNICIPAL WASTE



E-WASTE



RUBBER



AGRICULTURAL WASTE



INDUSTRIAL WASTE

REUSER PD 1500

High-Torque Primary Reduction

Built for aggressive primary volume reduction, the Robust Reuser **PD 1500** pre-shredder is engineered to process BULKY WASTE STREAMS with ease. Featuring a two-shaft cutting system driven by dual planetary gearboxes (9.2 + 5.5 kW), it operates at low speeds (5.3 / 10.3 rpm) with extreme torque. This ensures low dust formation, minimal mechanical wear, and quiet operation when breaking down wooden pallets, furniture, cardboard, and bulky industrial waste.

Powered by an independent Unitronics® PLC with ReSmart™ intelligence, the PD 1500 TWIN functions seamlessly as a standalone primary shredder or integrated atop the SD 900 XL to create the HD 1500 MONSTER hybrid system.



ADVANTAGES

- **Twin-shaft system** designed for primary coarse shredding and volume reduction
- **Dual planetary gearbox drive** (9.2 + 5.5 kW) delivering high torque at low rotational speeds
- **Versatile dual-purpose design:** operates standalone or combines with the SD 900 XL into the HD 1500 MONSTER
- **Modular height-adjustable chute & base** for seamless discharge onto conveyor belts without jamming
- **Generous hopper opening** (1560 × 800 mm) ideal for loading via excavator, forklift, or lifting arm

TECHNICAL SPECIFICATIONS

Performance & power (Electric motor)		
Rated power	14.7 (9.2 + 5.5)	kW
Required fuses *	Min. 40	A
Capacity **	High volume reduction	m3/h
Cutting system		
Number of cutting shafts	2	pcs
Shaft lenght	1580	mm
Shaft diameter	355	mm
Number of knives	2 × 12 + 2 × 24	pcs
Shaft speed	5.3 & 10.3	rpm
Hopper & hydraulics		
Hopper opening on top	2074 × 1061	mm
Hopper opening on the shaft	1560 × 800	mm
Volume of the feed hopper	1	m3
Dimensions & weight		
Dimensions (L / W / H)	1176 / 3446 / 2372	mm
Weight	1840	kg

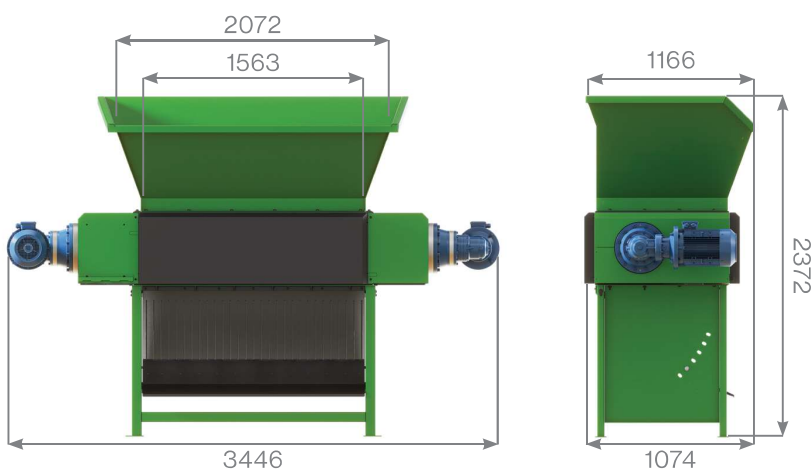
* Standard power supply: 400 V / 50 Hz. Other voltages available on request.

** Capacity depends on material type, moiswture content, and feeding method.

MATERIAL



INFORMATION & EQUIPMENT

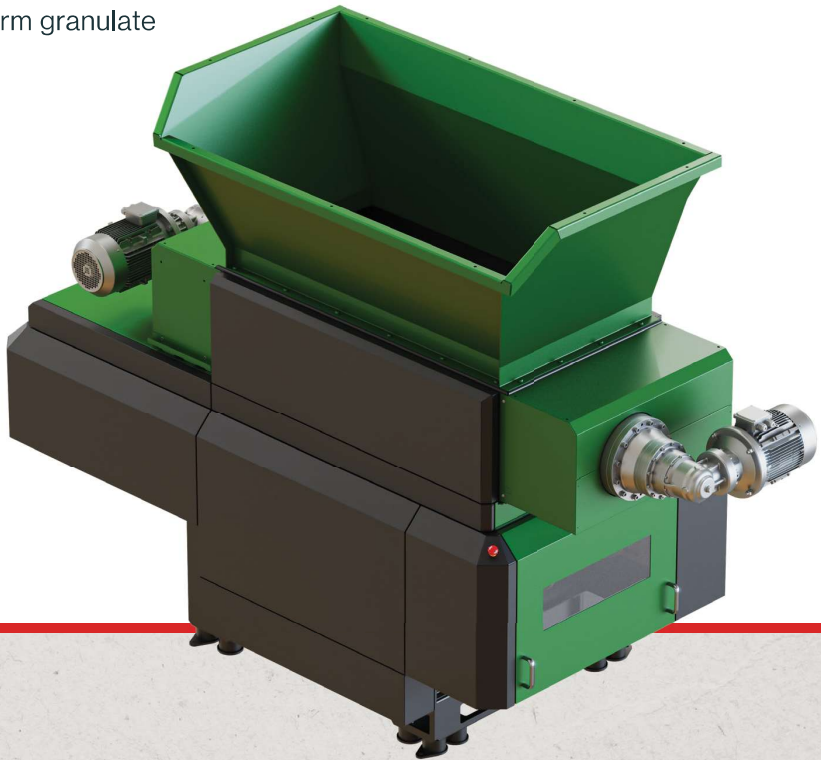


REUSER HD 1500

Ultimate Pallet-Shredding Hybrid

The Robust Reuser **HD 1500 aka MONSTER** is a high-performance hybrid shredder engineered to dominate BULKY TIMBER AND VOLUME WASTE. By integrating a two-shaft pre-shredder mounted directly above a powerful single-shaft shredder, this hybrid system effortlessly shreds even up to 90 wooden pallets per hour or oversized wood residues in a single continuous process.

Powered by an advanced Siemens® PLC with ReSmart™ intelligence, ReBoost™ acceleration, and patented cutting blade technology, the MONSTER delivers unmatched productivity, turning bulky volume waste into fine, uniform granulate with low operational costs.



ADVANTAGES

- Innovative hybrid 3-shaft system combining a 2-shaft pre-shredder with a heavy-duty 1-shaft shredder
- High-capacity pallet processing capable of shredding up to 60 wooden pallets per hour
- Patented slatted knife technology for optimized shredding and maximum impact resistance
- **Siemens® PLC unit with ReSmart™** intelligent control & optional remote access
- **ReBoost™ & ReMotion™** technologies for faster pusher cycles and jam-free operation
- Heavy-duty gearboxes engineered for low-speed, high-torque pre-shredding
- **Hardox® 450 screen** for precise and homogeneous final output granulate

TECHNICAL SPECIFICATIONS

Performance & power (Electric motor)		
Rated power	45 (30 S + 5.5 & 9.2 PS)	kW
Required fuses *	Min. 125	A
Capacity **	Up to 8	m3/h
Cutting system		
Number of cutting shafts	1 (S) + 2 (PS)	pcs
Shaft lenght	870 (S) + 1580 (PS)	mm
Shaft diameter	270 (S) + 355 (PS)	mm
Number of knives	38 (S) + 2 × 12 & 2 × 24 (PS)	pcs
Shaft speed	80 – 120 (S) + 5.3 & 10.3 (PS)	rpm
Available screen sizes	10 / 15 / 16-12 / 20-15/ 30-20 / 30 / 40 / 50	mm
Hopper & hydraulics		
Hopper opening on top	2074 × 1061	mm
Hopper opening on the shaft	1560 × 800	mm
Volume of the feed hopper	1	m3
Hidraulic oil capacity	30	l
Dimensions & weight		
Dimensions (L / W / H)	3636 / 1779 / 2788	mm
Weight	4200	kg

* Standard power supply: 400 V / 50 Hz. Other voltages available on request.

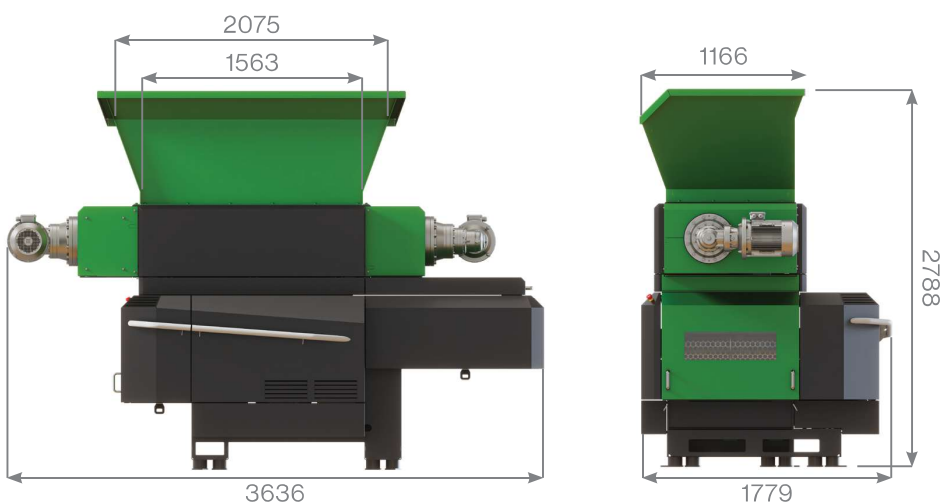
** Capacity depends on the screen size and the type of material.

S – shredder | PS – pre-shredder

MATERIAL



INFORMATION & EQUIPMENT

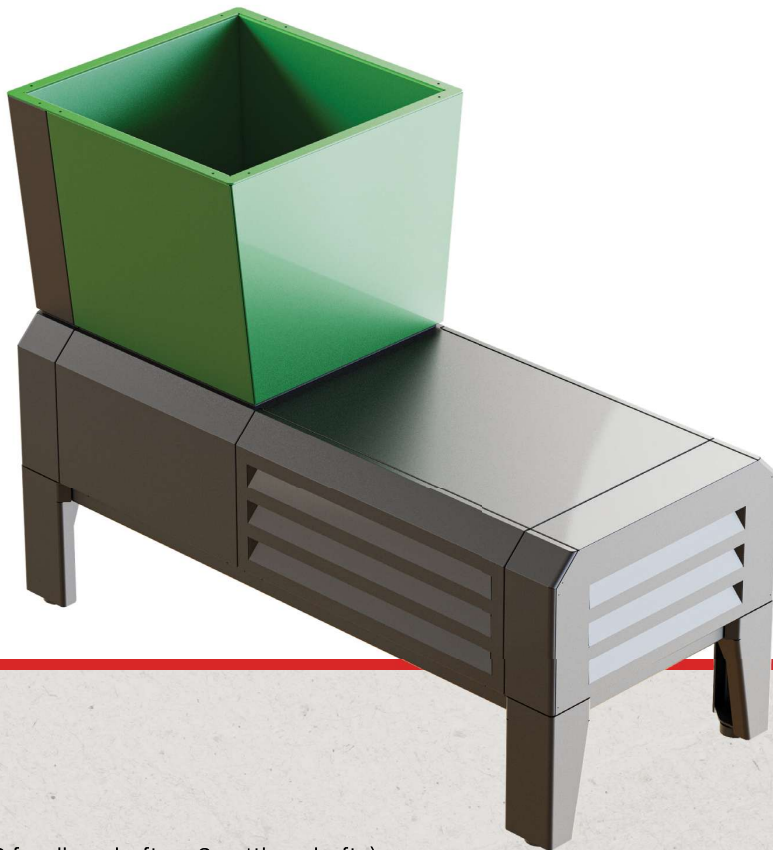


REUSER QD 450

Unstoppable Four-Shaft Power

The Robust Reuser **QD 450** four-shaft universal shredder is engineered to master the most challenging and demanding waste streams. Combining two driving shafts with two secondary cutting shafts, it delivers unmatched tearing and sizing power for tough materials.

Driven by an advanced Siemens® PLC with ReSmart™ intelligence, it operates with ruthless efficiency, ensuring absolute reliability when processing COMPLEX INDUSTRIAL, ELECTRONIC, AND BULKY WASTE.



ADVANTAGES

- Four-shaft shredding system (2 feeding shafts + 2 cutting shafts) for aggressive material engagement and reduction
- Engineered for demanding waste streams including hard drives, e-waste, thin sheet metal, and textiles
- Dual-motor drive system (2×22 kW) delivering high torque and superior processing speed
- **Siemens® PLC unit**
- Integrated **Hardox®** screen (15 / 30 mm) ensuring uniform output granulate size
- Easy integration with RZC 350 conveyor belt or local suction system

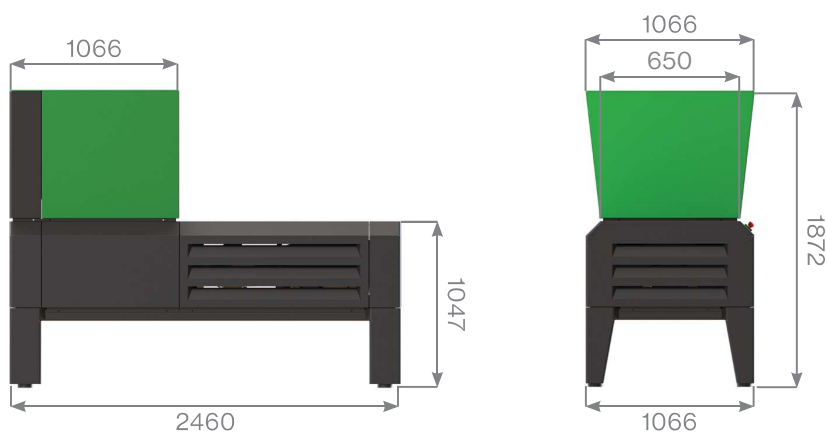
TECHNICAL SPECIFICATIONS

Performance & power (Electric motor)		
Rated power	44 (2 × 22) & 22 (2 × 11)	kW
Required fuses *	Min. 100 / 50	A
Capacity **	Up to 5	m3/h
Cutting system		
Number of cutting shafts	4 (2 feeding + 2 cutting)	pcs
	2 × 19 + 1 feeding + 2 × 19 + 1 cutting	pcs
Shaft lenght	470	mm
Shaft diameter	2 × 255 + 2 × 235	mm
Number of knives	2 × 12 + 2 × 13	pcs
Shaft speed	25 + 35	rpm
Available screen sizes	15 / 30	mm
Hopper & hydraulics		
Hopper opening on top	962 × 963	mm
Hopper opening on the shaft	467 × 647	mm
Volume of the feed hopper	0.5	m3
Dimensions & weight		
Dimensions (L / W / H)	2460 / 1066 / 1872	mm
Weight	2510	kg

* Standard power supply: 400 V / 50 Hz. Other voltages available on request.

** Capacity depends on the screen size and the type of material.

INFORMATION & EQUIPMENT



MATERIAL



WOOD WASTE



PLASTIC



PAPER & CARDBOARD



MUNICIPAL WASTE



E-WASTE, HARD DRIVES



RUBBER



INDUSTRIAL WASTE



TEXTILES



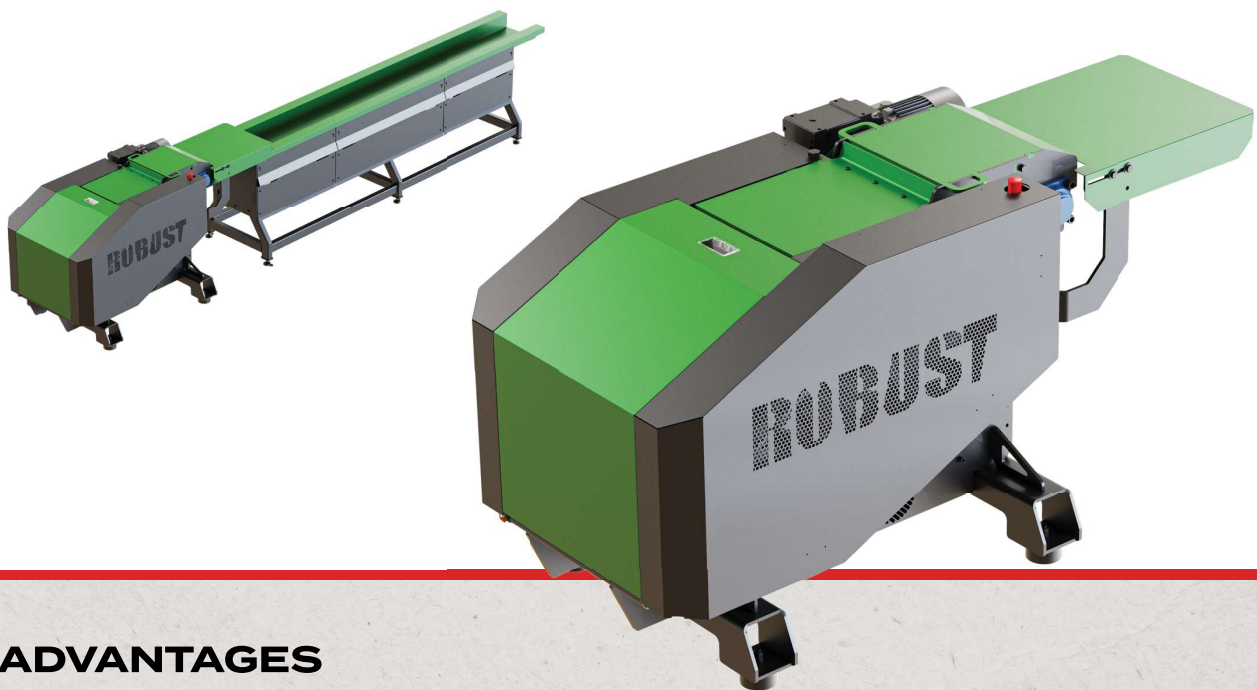
THIN METAL SHEETS

REUSER LD 350

High-Speed Horizontal Shredding

Tailored specifically for sawmills, joineries, and woodworking shops, the Robust Reuser **LD 350** horizontal shredder is engineered for continuous processing of LONG, LINEAR WOOD WASTE, EDGINGS, AND SLATS.

Material is seamlessly fed horizontally into the high-speed single-shaft cutter (960 rpm) via a vibrating dosing table or optional conveyor belt. Powered by a Siemens® PLC with ReSmart™ intelligent control, it effortlessly converts both wet and dry, hard or soft wood residues into high-quality chips ideal for briquetting, pelleting, or direct biomass heating.



ADVANTAGES

- Specialized horizontal shredding system for continuous processing of long, linear wood waste and edgings
- **Vibrating dosing table feeding system** for smooth, automated, and controlled material intake
- **High-speed cutting shaft (960 rpm)** with 12 hardened knives ensuring rapid material reduction
- Processes wet and dry timber across both hardwood and softwood species
- **Unitronics® PLC unit**
- **Versatile integration** designed for standalone operation or direct pairing with automated production lines
- **Hardox® screens** (10 / 15 / 25 mm) ensuring consistent chip size for biomass energy or briquetting

TECHNICAL SPECIFICATIONS

Performance & power (Electric motor)		
Rated power	22 / 30	kW
Required fuses *	Min. 63 / 80	A
Capacity **	0.5–2.5	m3/h
Cutting system		
Number of cutting shafts	1	pcs
Shaft lenght	348	mm
Shaft diameter	260	mm
Number of knives	12	pcs
Shaft speed	960	rpm
Available screen sizes	10 / 15 / 25	mm
Hopper & feeding		
Feeding method	Vibrating dosing table	
Filling opening (Total / Usable)	350 × 100 / 340 × 80	mm
Dimensions & weight		
Dimensions (L / W / H)***	2124 / 1058 / 1189	mm
Weight***	1230–1290	kg

* Standard power supply: 400 V / 50 Hz. Other voltages available on request.

** Capacity depends on motor power, screen size, material type, and moisture content.

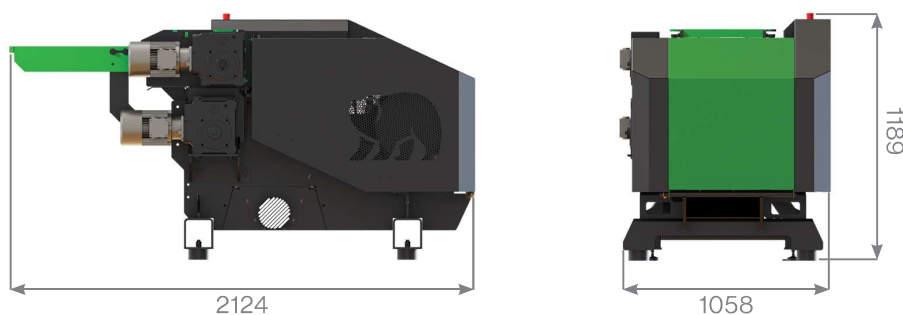
*** Dimensions specified for the main unit without the feeding table.

MATERIAL



LINEAR WOOD
RESIDUES, EDGINGS,
SAWMILL WASTE,
LONG WOODEN STRIPS,
WET & DRY TIMBER

INFORMATION & EQUIPMENT

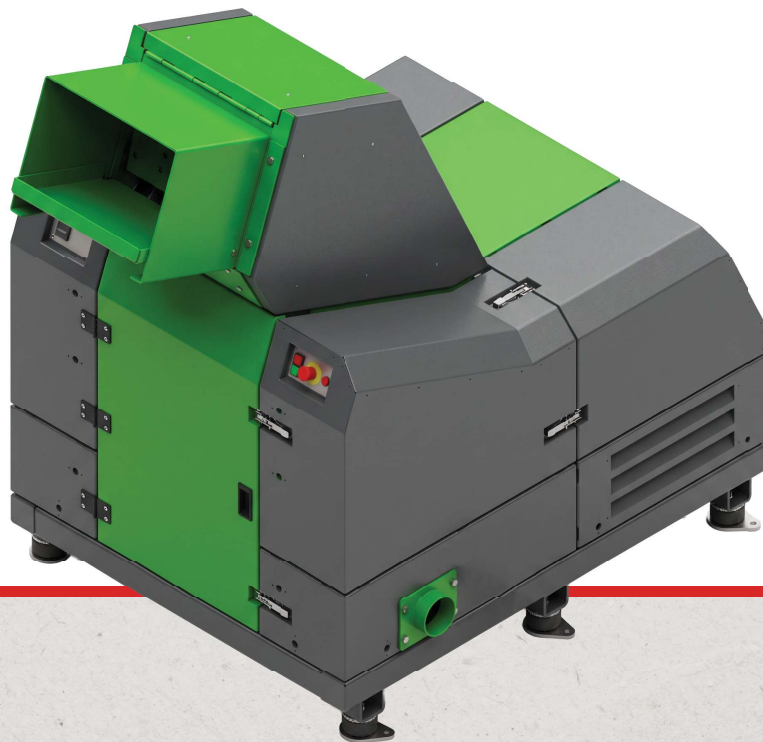


REUSER GD 500

Precision Particle Granulation

The Robust Reuser **GD 500** granulator is designed for high-precision reduction and uniform granulate output. Powered by a 30 kW motor and featuring a heavy-duty 6-knife cutting shaft (320" mm" diameter), it excels at processing RIGID PLASTICS, RUBBER, AND PRE-SHREDDED MATERIAL down to fine fractions.

Equipped with a standard 8 mm Hardox® screen, the GD 500 ensures clean, precise scissor-cutting action with low dust generation and consistent grain size for seamless downstream recycling.



ADVANTAGES

- **High-precision granulating system** engineered for fine material reduction and plastic recycling
- **Heavy-duty 6-knife cutting Shaft** providing efficient scissor-cut shearing action
- **Powerful 30 kW motor** for continuous industrial performance
- Standard 8 mm **Hardox® screen** for accurate particle sizing and minimal dust fines
- Robust, vibration-damped construction for long service life and stable operation
- Easy maintenance design ensuring quick access for knife adjustment and screen cleaning
- Supports **versatile feeding options**, including manual loading and automated conveyor belt feeding.

TECHNICAL SPECIFICATIONS

Performance & power (Electric motor)		
Rated power	30	kW
Required fuses *	Min. 63	A
Cutting system		
Number of cutting shafts	1	pcs
Shaft length	500	mm
Shaft diameter	320	mm
Number of knives	6	pcs
Shaft speed	470	rpm
Available screen sizes	5 / 8 / 15	mm
Hopper & feeding		
Feed opening at the Shaft	520 × 360	mm
Dimensions & weight		
Dimensions (L / W / H)	2109 / 1452 / 2039	mm
Weight	2080	kg

* Standard power supply: 400 V / 50 Hz. Other voltages available on request.

** Capacity depends on the screen size, material type, and feeding rate.

MATERIAL



RUBBER

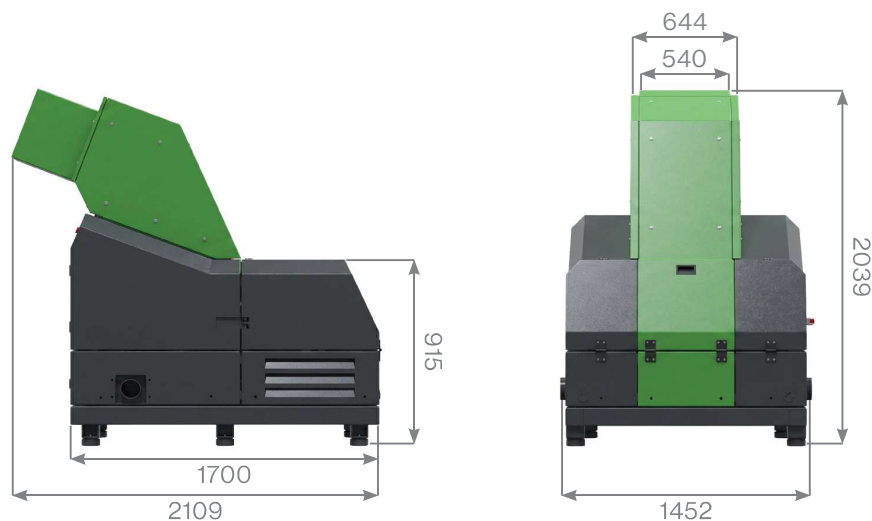


PLASTIC



INDUSTRIAL
WASTE

INFORMATION & EQUIPMENT



REUSER XD 1500

Heavy-Duty Tyre Shredding

Engineered for continuous, multi-shift primary reduction, the Robust Reuser **XD 1500** is a heavy-duty single-shaft primary shredder tailored for processing **WHOLE PASSENGER AND TRUCK TYRES, ALUMINUM SCRAP, CABLES, AND BULKY MUNICIPAL WASTE.**

Powered by a 75 kW planetary gearbox and a variable frequency drive (VFD), it operates at low speeds (5–30 rpm) with extreme torque, cutting energy consumption by up to 50%. Its robust cutting system transforms whole tyres into manageable 100 × 250 mm strips – preparing material for downstream fine granulation, steel wire extraction, and textile separation.



ADVANTAGES

- **Heavy-duty single-shaft primary shredder** for whole passenger and truck tyres (6" t/h" capacity)
- **Energy-efficient VFD drive** (75 kW) reducing power consumption by up to 50%
- **Siemens® PLC unit** with optional remote access
- **High-torque planetary gearbox** (5–30 rpm) with integrated 5.4 kW oil cooler for continuous 24/7 operation
- **Height-staggered stator knives** optimizing shear engagement and reducing required power
- **Hydraulic tilt-up hood with mechanical safety lock** for fast, effortless knife maintenance
- **Automatic reverse overload protection** preventing jamming and extending tool lifespan

TECHNICAL SPECIFICATIONS

Performance & power (Electric motor)		
Rated power	75 (planetary drive with VDF)	kW
Required fuses *	Min. 160	A
Capacity **	Up to 6	t/h
Cutting system		
Number of cutting shafts	1	pcs
Shaft lenght	1448	mm
Shaft core / cutting diameter	315 / 725	mm
Number of knives	12	pcs
Shaft speed range	5–30 (VFD controlled)	rpm
Hopper & hydraulics		
Hopper opening on top	2609 × 1481	mm
Hopper opening on the shaft	1448 × 895	mm
Feed hopper volume	Heavy-duty large guiding hopper	m3
Hidraulic oil cooler power	5.4	kW
Dimensions & weight		
Dimensions (L / W / H)	3726 / 1834 / 4297	mm
Weight	7258	kg

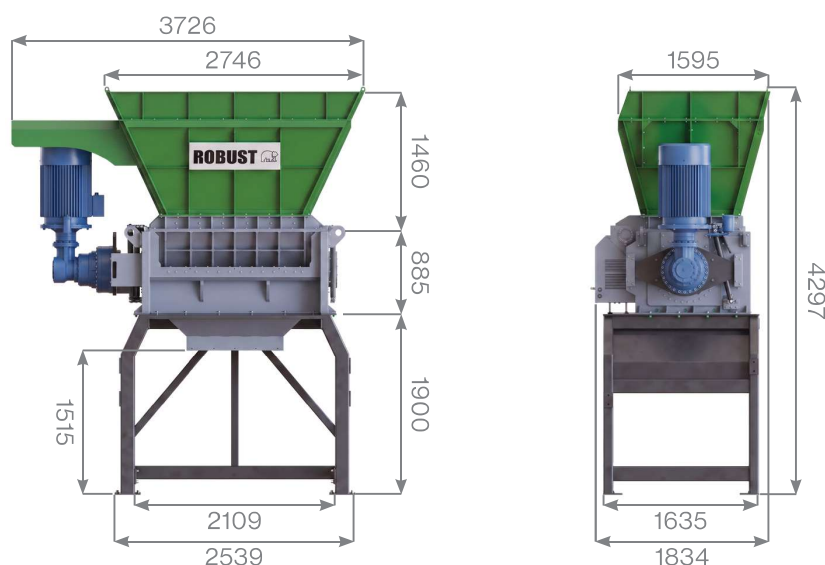
* Standard power supply: 400 V / 50 Hz. Other voltages available on request.

** Capacity depends on feeding rate, material type, and target output size.

MATERIAL



INFORMATION & EQUIPMENT





REUSER COMPACTION SOLUTIONS

VERTICAL BALING PRESSES

Designed to streamline internal logistics and waste handling, the Reuser BR Series vertical baling presses deliver reliable volume reduction for cardboard, paper, and packaging materials. Engineered for simple operation, high safety standards, and long-term durability, they are the ideal final step in efficient waste collection.



Drastic volume reduction (up to 90%)



Lower logistics & transport costs



Cleaner & safer working environment



REUSER BR 700

Manual Hydraulic Cardboard Baler

Robust Reuser **BR 700** is a compact baler designed for businesses handling small to medium volumes of packaging waste, such as cardboard and plastic.

It combines a compact design with efficient volume reduction, producing bales weighing up to 70 kg. The device complies with the EN 16500 safety standard, ensuring user safety and optimal performance.



ADVANTAGES

- **Compact Footprint**
Fits easily into tight working spaces, turning waste handling into a neat, localized routine.
- **Effortless Waste Management**
Reduces time spent manually folding cardboard or bundling foil, freeing up valuable staff hours.
- **Lower Transport Costs**
Compacts loose waste into manageable bales, significantly reducing disposal frequency and emissions.
- **Clean & Orderly Workflows**
Eliminates cluttered passageways and keeps your floor area tidy, safe, and professional.
- **Quiet Operation**
Low noise generation ensures smooth operation directly inside retail or production environments.

TECHNICAL SPECIFICATIONS

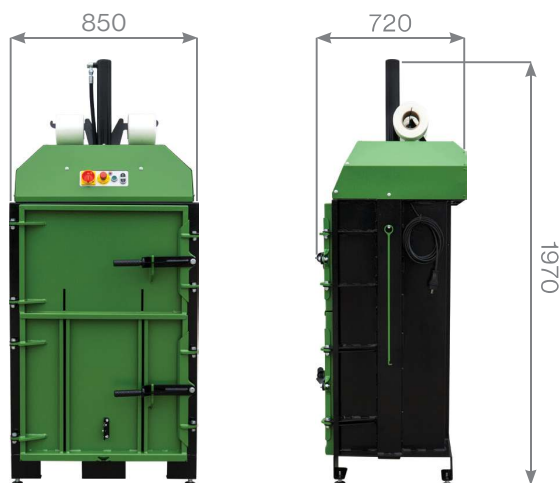
Performance & power (Electric motor)		
Rated power	1.5	kW
Pressing force	4	t
Cycle time	Aprox. 28 *	s
Operating noise	75	dB (A)
Chamber & Feeding		
Feed opening	710 × 450	mm
Internal Chamber (W / D / H)	710 × 500 × 1100	mm
Actuator (Cylinder)	60 × 40 × 600	mm
Dimensions & weight		
Dimensions (L / W / H)	720 × 850 × 1970	mm
Weight	265	kg

* Standard power supply: 230 V / 50 Hz.

MATERIAL



INFORMATION & EQUIPMENT

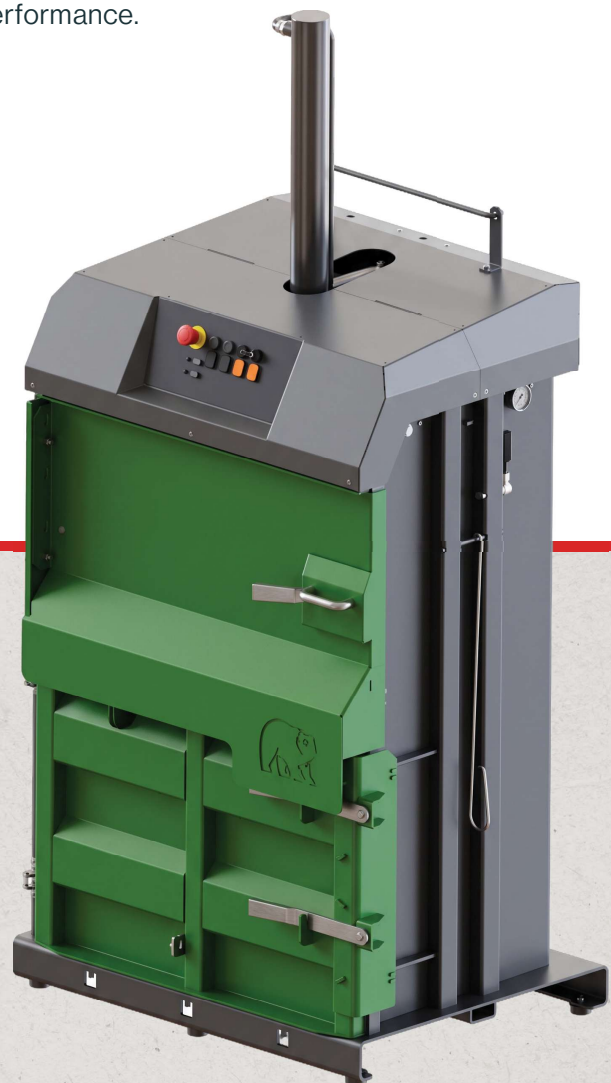


REUSER BR 1000

Versatile Packaging & Film Baler

Robust Reuser **BR 1000** is a compact baler designed for businesses handling small to medium volumes of packaging waste, such as cardboard and plastic.

It combines a compact design with efficient volume reduction, producing bales weighing up to 100 kg. The device complies with the EN 16500 safety standard, ensuring user safety and optimal performance.



ADVANTAGES

- **Maximum Volume Reduction**
High compaction force drastically shrinks large volumes of cardboard and plastic for optimal storage.
- **Increased Productivity**
Handles larger material feeds effortlessly, streamlining high-volume disposal routines.
- **Enhanced Operational Safety**
Ergonomic design with built-in safety features ensures simple, risk-free operation for every user.
- **Sustainable Cost Savings**
Dramatically lowers waste collection fees while generating high-value, dense bales for recycling
- **Reliability**
Engineered for continuous commercial use with minimal maintenance and high daily throughput.

TECHNICAL SPECIFICATIONS

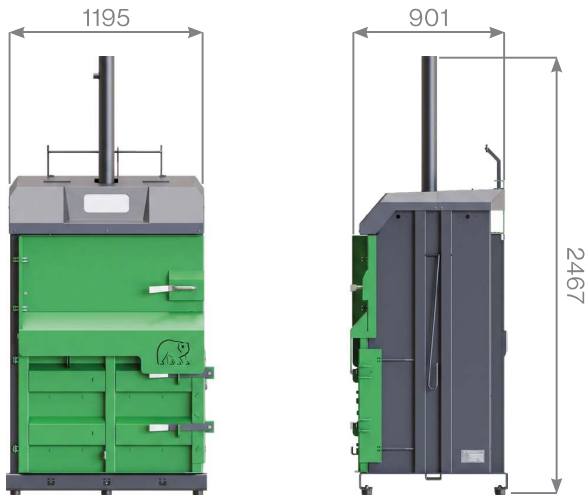
Performance & power (Electric motor)		
Rated power	1.5	kW
Pressing force	6	t
Cycle time	Aprox. 28 *	s
Operating noise	75	dB (A)
Chamber & Feeding		
Feed opening	1000 × 490	mm
Internal Chamber (W / D / H)	1000 × 700 × 1250	mm
Actuator (Cylinder)	80 × 50 × 800	mm
Dimensions & weight		
Dimensions (L / W / H)	1195 × 901 × 2467	mm
Weight	535	kg

* Standard power supply: 230 V / 50 Hz.

MATERIAL



INFORMATION & EQUIPMENT



A close-up photograph of a blue industrial machine, possibly a printer or copier. The machine has a black circular grille with a grid of small square holes. The background is dark and out of focus, showing various mechanical parts and a red button.

OPTIONAL EQUIPMENT & ACCESSORIES

TAILORED SOLUTIONS FOR MAXIMUM EFFICIENCY

To maximize operational productivity, safeguard your machinery, and ensure long-term cost efficiency, Robust offers a comprehensive range of custom auxiliary equipment and modular upgrades.

From automated material discharge and advanced magnetic separation to specialized cutting geometry and intelligent thermal management – every component is engineered to protect your drive system, optimize material flow, and seamlessly adapt your Reuser shredder to the most demanding multi-shift workloads.



KEY SYSTEM ADVANTAGES



MODULAR INTEGRATION

Seamless coupling with all Reuser shredder models.



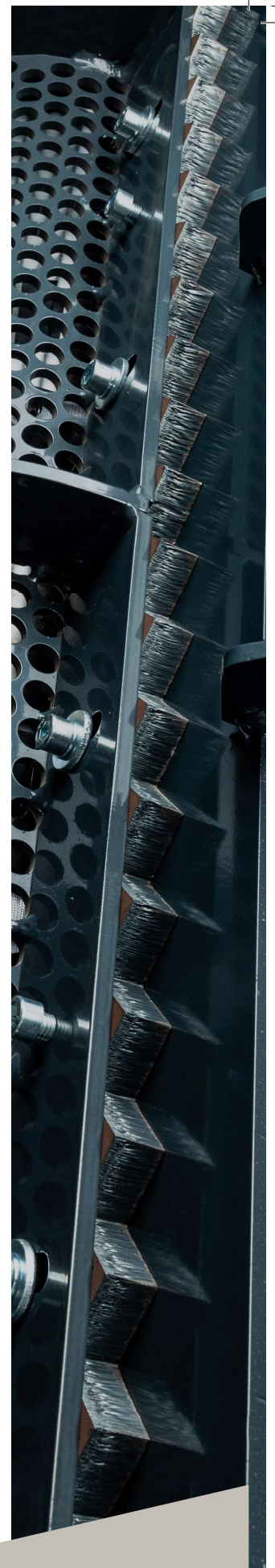
DRIVE SYSTEM PROTECTION

Extended component lifespan and reduced maintenance downtime.



CUSTOM AUTOMATION

Tailored material discharge, suction, and separation workflows.

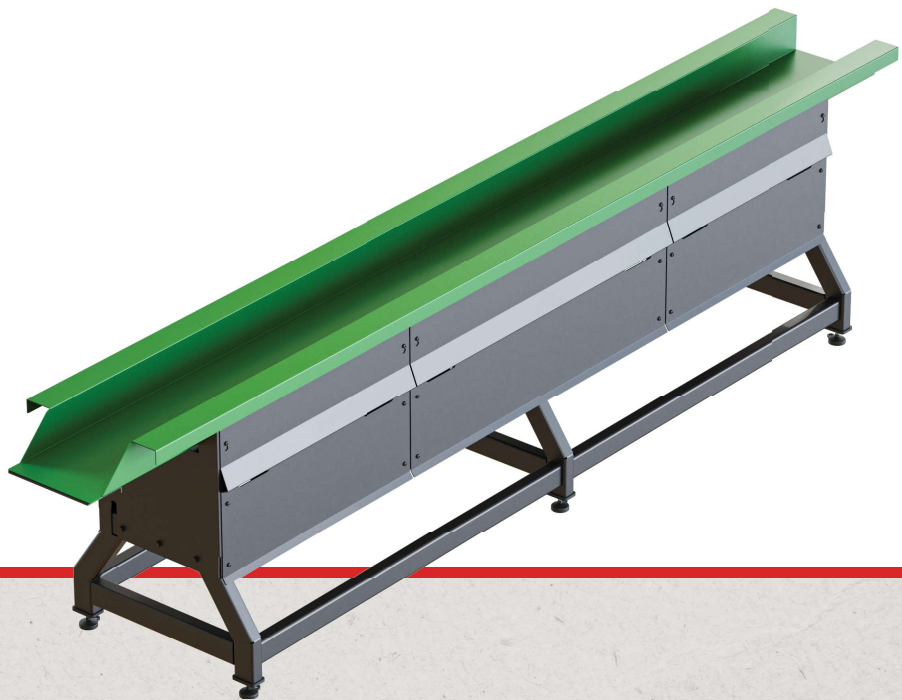


REUSER RVT 350

Linear Wood Feeding

The Robust Reuser **RVT 350** vibrating table is specifically designed to handle and transport long, linear wood waste – such as EDGINGS, OFFCUTS, AND BARK – directly into the crushing chamber of the Robust Reuser LD 350 horizontal shredder.

Featuring an ultra-durable powder-coated frame and heavy-duty vibration dampening, the RVT 350 guarantees smooth, continuous, and synchronous material feeding in demanding sawmill and carpentry environments.



FEATURES

- **Optimized for Linear Wood Waste**
Engineered specifically for precise, jam-free feeding of long wooden materials, timber edgings, slats, and bark residues.
- **Synchronized Shredder Operation**
Fully integrated to operate synchronously with the LD 350 shredder, ensuring optimal material throughput and preventing chamber overload.
- **Heavy-Duty & Dampened Structure**
Features an ultra-robust steel frame with high-durability powder coating (RAL 6017 / RAL 7016), adjustable heavy-duty bearings, and shock-absorbing mounts with floor anchoring options.
- **Reliable Belt-Driven Power Unit**
Powered by a high-efficiency 1.5 kW electric motor paired with a heavy-duty belt drive transmission for reliable, continuous operation.

TECHNICAL SPECIFICATIONS

Electrical & power		
Motor Power	1.5	kW
Drive (Voltage / Frequency)	400 V / 50 Hz	V / Hz
Required fuses *	Min. 16 / 20 / 25	A
Dimensions & weight		
Dimensions (L / W / H)	3985 / 758 / 953	mm
Feeding Opening (L / W / H)	3985 / 330 / 130	mm
Machine Weight	455	kg
Operating conditions & warranty		
Operating Temperature Range	0–40	°C
Extended Warranty	12	Months
System compatibility		
Compatible Shredder Models	LD 350	

* Standard power supply: 400 V / 50 Hz. Other voltages available on request.

MATERIAL



INFORMATION & EQUIPMENT



REUSER RZC

Conveyor Solutions

The Robust Reuser **RZC conveyor** belt system delivers continuous, high-efficiency material transport for WOOD CHIPS, PLASTIC RESIDUES, PACKAGING, AND HEAVY SCRAP. Designed with extreme structural durability and spatial flexibility, the RZC series integrates seamlessly with standard shredder discharge setups, ensuring uninterrupted workflow and maximum operational efficiency.



FEATURES

- **Heavy-Duty Construction**
Engineered with a reinforced steel structure, side rubber protective guards, and heavy-duty cleated belts to handle harsh industrial recycling environments.
- **Flexible Layout & Discharge**
Equipped with heavy-duty caster wheels for easy relocation, optimal discharge height, and reversible left/right material outlet options.
- **Magnetic Separator Upgrade (Optional)**
Designed for easy integration of an overband magnetic separator to remove ferrous metals from shredded output material.
- **Integrated Smart Control**
Can be fully connected to the shredder's main PLC panel or operated independently via its own electrical cabinet, with optional VFD speed regulation.
- **Universal Compatibility**
Perfectly tailored for direct material extraction from Robust Reuser SD 700, SD 900, SD 900XL, HD, ID, and QD shredder series.

TECHNICAL SPECIFICATIONS

Electrical & power		
Drive	400	V
Required Motor Power	0.25	kW
Dimensions & discharge		
Dimensions (L / W / H)	5287 / 1021 / 3357	mm
Discharge Height	3357	mm
Belt Width	381	mm
External Conveyor Width	645	mm
Capacity & material limits		
Max. Material Width on Belt	340	mm
Max. Material Load	50	kg
Max. Material Temperature	0–60	°C
Operating conditions & upgrades		
Operating Temperature Range	0–40	°C
Overband Magnetic Separator	Optional	kg
System compatibility		
Compatible Shredder Models for RZC 350	SD 700, SD 900, SD 900XL, HD 1500 “Monster”, QD	
Compatible Shredder Models for RZC 350 ID	ID 1400	

MATERIAL



WOOD CHIPS



PLASTIC RESIDUES

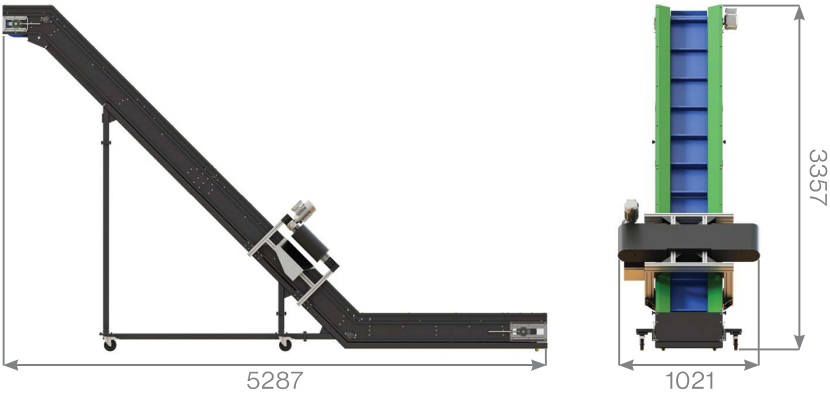


PACKAGING



HEAVY SCRAP

INFORMATION & EQUIPMENT



REUSER RNS 350

Overband Magnetic Separation

The Robust Reuser **RNS 350** overband magnetic separator is engineered for continuous, high-efficiency extraction of ferrous metals from shredded output materials.

Designed for seamless mounting on the Reuser RZC conveyor belt system via a heavy-duty aluminum support frame, the RNS 350 protects downstream equipment, cleans processed fractions, and delivers long-term durability in wood, plastic, and general recycling applications.



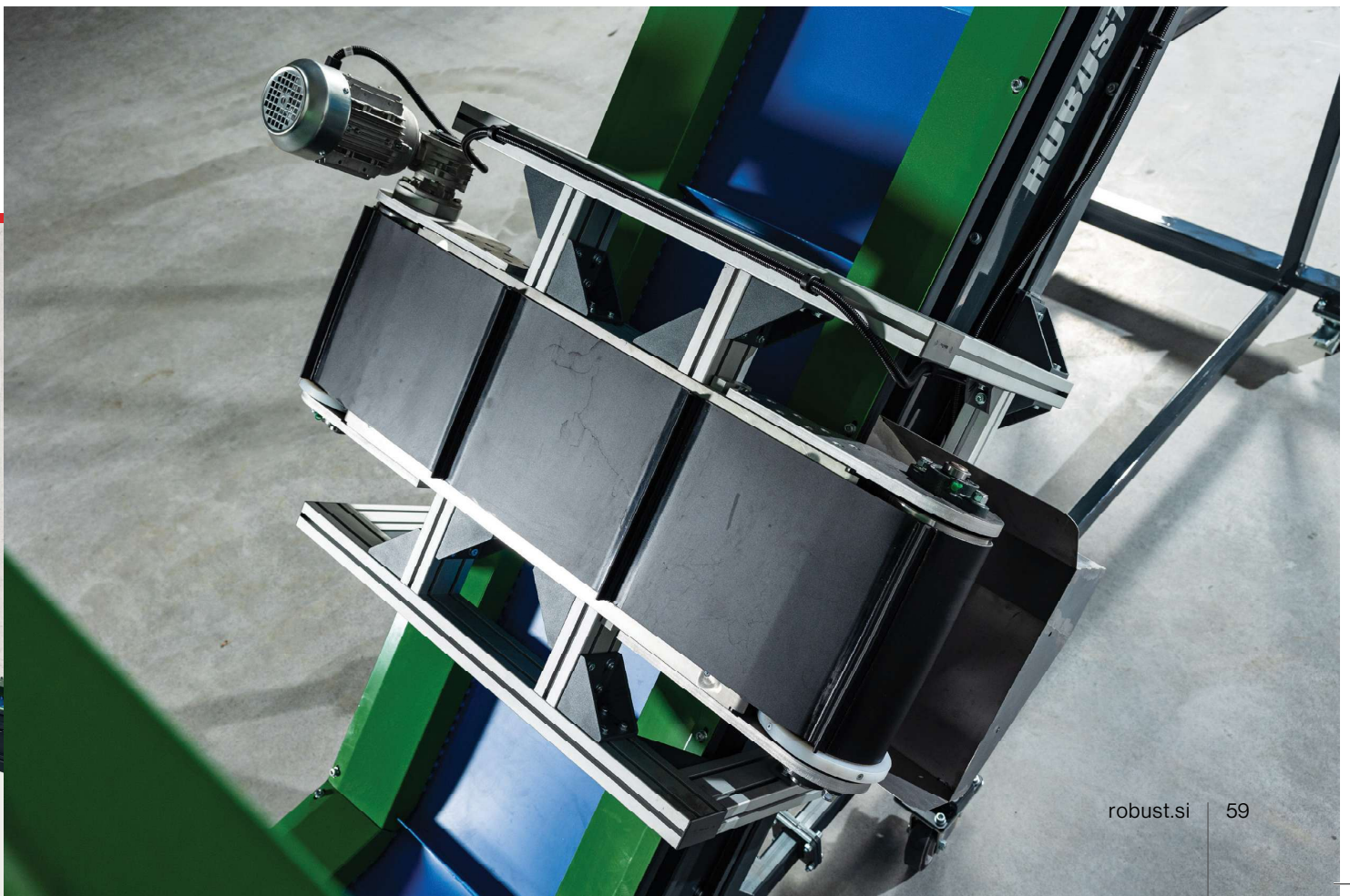
FEATURES

- **High-Efficiency Ferrous Extraction**
Equipped with a powerful permanent magnet core to automatically remove iron and steel contaminants from the moving material stream.
- **Aluminum Frame & Integrated Conveyor Mounting**
Includes a custom-engineered aluminum support frame for direct, stable installation onto the Reuser RZC conveyor system.
- **Integrated Metal Collection Bin**
Includes a dedicated collection container to safely divert and gather separated metallic particles away from the main discharge line.
- **Low Maintenance & Long-Life Bearings**
Engineered with high-durability internal bearings pre-lubricated for up to 10,000 operating hours to minimize service downtime.



TECHNICAL SPECIFICATIONS

Electrical & power		
Drive	400	V
Required power	0.37	kW
Dimensions & magnet specs		
Separator Dimensions (L / W / H)	1200 / 550 / 200	mm
Separator Dimensions (L / W)	700 / 250	mm
Operating & maintenance		
Internal Bearing Lubrication Interval	10,000	Hours
Operating Temperature Range	0–40	°C
Included Equipment	Aluminum Support Frame & Metal Collection Bin	
System integration		
Compatible Conveyor	Reuser RZC Conveyor Series	
Compatible Shredders	SD 700, SD 900, SD 900XL, HD 1500 “Monster”, QD, ID 1400	



MAGNETIC CASSETTE

Compact Ferrous Separation

FEATURES

High-Intensity Field

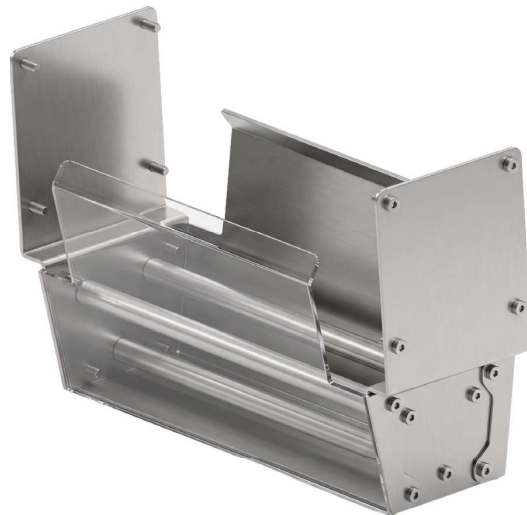
Dense magnet array captures fine metal particles and small ferrous contaminants.

Modular Drawer Design

Integrates beneath the sieve or chutes for space-saving magnetic filtration.

Quick-Release Cleaning

Drawer mechanism allows rapid manual cleaning without stopping the production line.



MAGNETIC CONVEYOR ROLLER

Belt-Discharge Metal Extraction

FEATURES

Automatic Metal Removal:

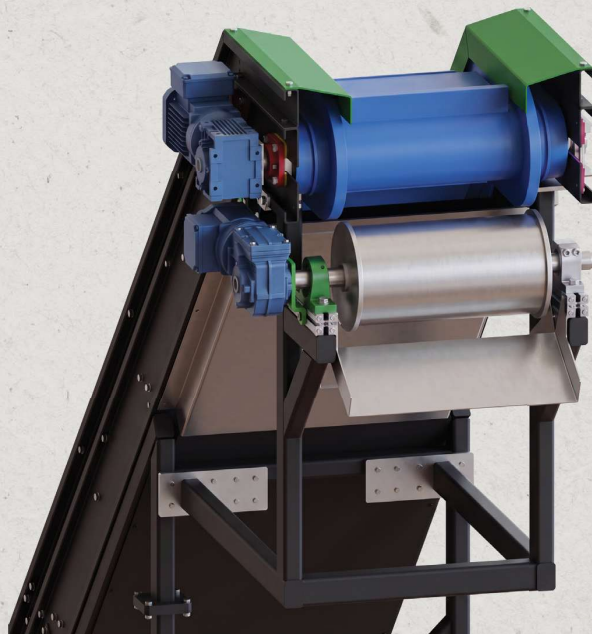
Replaces the standard drive pulley on belt conveyors to continuously catch iron.

Dual-Stream Separation:

Holds magnetic metals against the belt and releases them into a dedicated chute.

RZC Belt Compatibility:

Engineered for seamless retrofitting and operation with Reuser RZC conveyor systems.



ADDITIONAL MAGNETIC OPTIONS

PIPE **MAGNETIC SEPARATOR**

In-Line Suction Extraction

FEATURES

Pneumatic Separation

Extracts ferrous particles directly from airborne material within suction lines.

Easy External Maintenance

Permanent magnet core slides out effortlessly from the outside for fast cleaning.

Downstream Protection

Prevents metal debris from reaching and damaging extraction fans and piping.



ADJUSTABLE SIEVE RAILS

Particle Size & Downstream Protection

FEATURES

Overlength Barrier

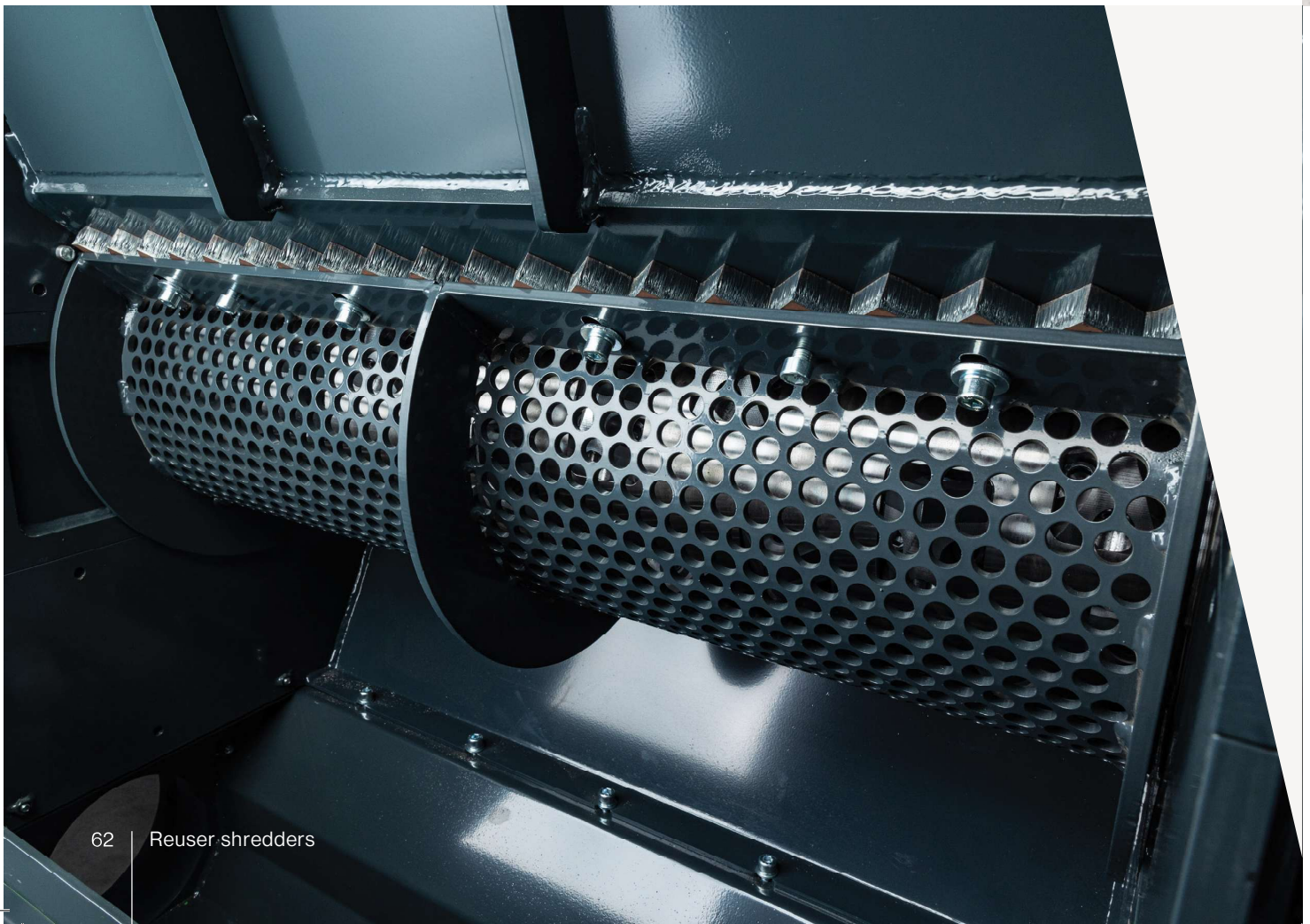
Prevents long, irregular particles (>30 mm) from bypassing the screen.

System Protection

Shields downstream suction pipes and conveyor belts from damage or blockages.

Optimized Flow

Maintains maximum throughput while ensuring strict particle fraction control.



HARDOX® SECONDARY CUTTING KNIFE BAR

Chamber Re-Entry Prevention

FEATURES

80% Re-Entry Reduction

Prevents already shredded material from returning to the cutting chamber.

Capacity Enhancement

Significantly increases hourly throughput by enforcing single-pass particle exit.

HARDOX® 450 Construction

Manufactured from extreme-grade wear plate steel for maximum lifespan.



UNIVERSAL W-ROTOR

Aggressive Cutting & Low Energy

FEATURES

Universal Rotor Geometry

Engineered to handle diverse input materials with high-throughput consistency.

Hardened Steel Blades (30/40 mm)

Fitted with premium hardened blades built for heavy wear resistance.

Multi-Indexable Knives

Square knives offer multiple rotatable cutting edges, drastically lowering wear costs.



SCREW CONVEYOR

Continuous & Flexible Material Discharge

FEATURES

Uniform Discharge

Ensures continuous and smooth material output directly beneath the sieve.

Bi-Directional Ejection

Configurable to discharge material from either the left or right side of the machine.

System Integration

Seamlessly pairs with downstream conveyor belts, storage silos, or suction lines.



HYDRAULIC OIL COOLER

Thermal Protection for Continuous Operation

FEATURES

Optimal Operating Temperature

Maintains correct hydraulic oil viscosity during prolonged multi-shift operation.

Extended System Lifespan

Protects pumps, valves, and cylinder seals from thermal degradation.

High-Ambient Ready

Essential upgrade for demanding climates and uninterrupted 24/7 workflows.



CUTTING KNIVES

Engineered for Precision & Longevity

FEATURES

Application-Specific Geometries

Available in concave, flat, or trapezoidal profiles for optimal shearing action.

Maximum Wear Resistance

Manufactured from premium alloys to withstand abrasive input and extend service life.

Optimised Cutting Clearance

Precision-ground edges maintain an exact gap, reducing dust fines and energy use.



SUCTION HOOD

Pneumatic System Connection

FEATURES

Direct System Coupling

Positioned beneath the sieve for an airtight transition to external suction systems.

Magnetic Integration

Designed for direct mounting of pipe magnetic separators.

Optimized Airflow

Engineered geometry prevents material bridging and maintains high airflow velocity.



COMPATIBILITY MATRIX

Optional Equipment Across the Reuser Series

OPTIONAL EQUIPMENT	GD 500	PD 1500	HD 1500	ID 1400	XD 1500	LD 350
Remote Access Module			X	X	X	
ReSmart™			O	O		
Screw Conveyor			X			
Magnetic Cassette						
Pipe Magnetic Separator			X			
Elevated Support Frame			X			
Adjustable Sieve Rails			X			
Suction Hood	O		X			O
Discharge Belt Conveyor			X	X		
Infeed Belt Conveyor			X	X	X	
Vibratory Feeder Table						X
ReBoost™			X			
Custom Hopper Design		X	X	X		
W Shaft			X			
Anti-Wear Rotor Protection			X	X		
Overband Magnetic Separator			X			
Magnetic Conveyor Roller			X			
Toothed Pusher Profile			X			
Brass Sealing Strips			X			
Hydraulic Oil Cooling System			X	O		
Heavy-Duty Gearbox			O			
Secondary Counter-Knife Bar			X			
Intelligent Control System				X		
Portable Remote Control				X		
Frequency Inverter / VFD				X	X	
Torque Limiter				X		
Hydraulic Oil Pre-Heater				X		
Cabinet Air Conditioning				X		
Soundproof Hopper Insulation		X	X	X		
Service Platform					X	
Hydraulic Ram Pusher						

LEGEND:

X – optional integration

O – serial integration

MACHINE

O	QD 450	SD 450	SD 450 LAB	SD 600	SD 700	SD 900	SD 900 XL	SD 1300
	X				X	X	X	X
				O	O	O	O	O
		X	X	X	X	X	X	X
				X	X	X	X	
		X	X	X	X	X	X	X
	X			X	X	X	X	X
					X	X	X	X
		O	X	O	X	X	X	X
	X				X	X	X	X
	X				X	X	X	X
					X	X	X	O
	X			X	X	X	X	X
				X	X	X	X	X
				X	X	X	X	X
	X				X	X	X	X
					X	X	X	X
					X	X	X	O
				X	X	X	X	O
						X	X	X
					X	X	X	X
	X	X	O	X	X	X	X	X
	X							

**ROBUST
REUSER™
TECHNOLOGY**

PRECISION ENGINEERING & PREMIUM COMPONENTS AT THE HEART OF EVERY SHREDDER

Precision Engineering & Premium Components at the Heart of Every Shredder
A shredder's performance is defined by the quality of its core components. At Robust Reuser, every machine is built using precision-engineered parts, hardened tool steels, and intelligent control systems designed to withstand the harshest industrial environments.

From optimized cutting geometries to heavy-duty drive systems, our proprietary technology ensures high throughput, lower energy consumption, and minimal wear – keeping your operations running uninterrupted day after day.



BUILT FOR UNMATCHED RELIABILITY



94% of all spare parts available immediately from our central warehouse.



In-house precision engineering using heat-treated and carbide-reinforced tool steels.



Modular technology designed for quick maintenance and reduced operational downtime.



ROTORS & CUTTING TECHNOLOGY



Proprietary Rotor Designs

High-precision rotors engineered for optimal cutting angles, minimal friction, and maximum kinetic force. Available in specialized configurations for wood, plastics, bulky waste, and fine materials.



Cutting Knives & Holders

Manufactured from premium alloy steel, vacuum-hardened for extreme wear resistance. Optional Carbide-coated (TC) blades for highly abrasive materials (e.g., glass-filled polymers or carbon fibers).



Counter Knives & Scrapers

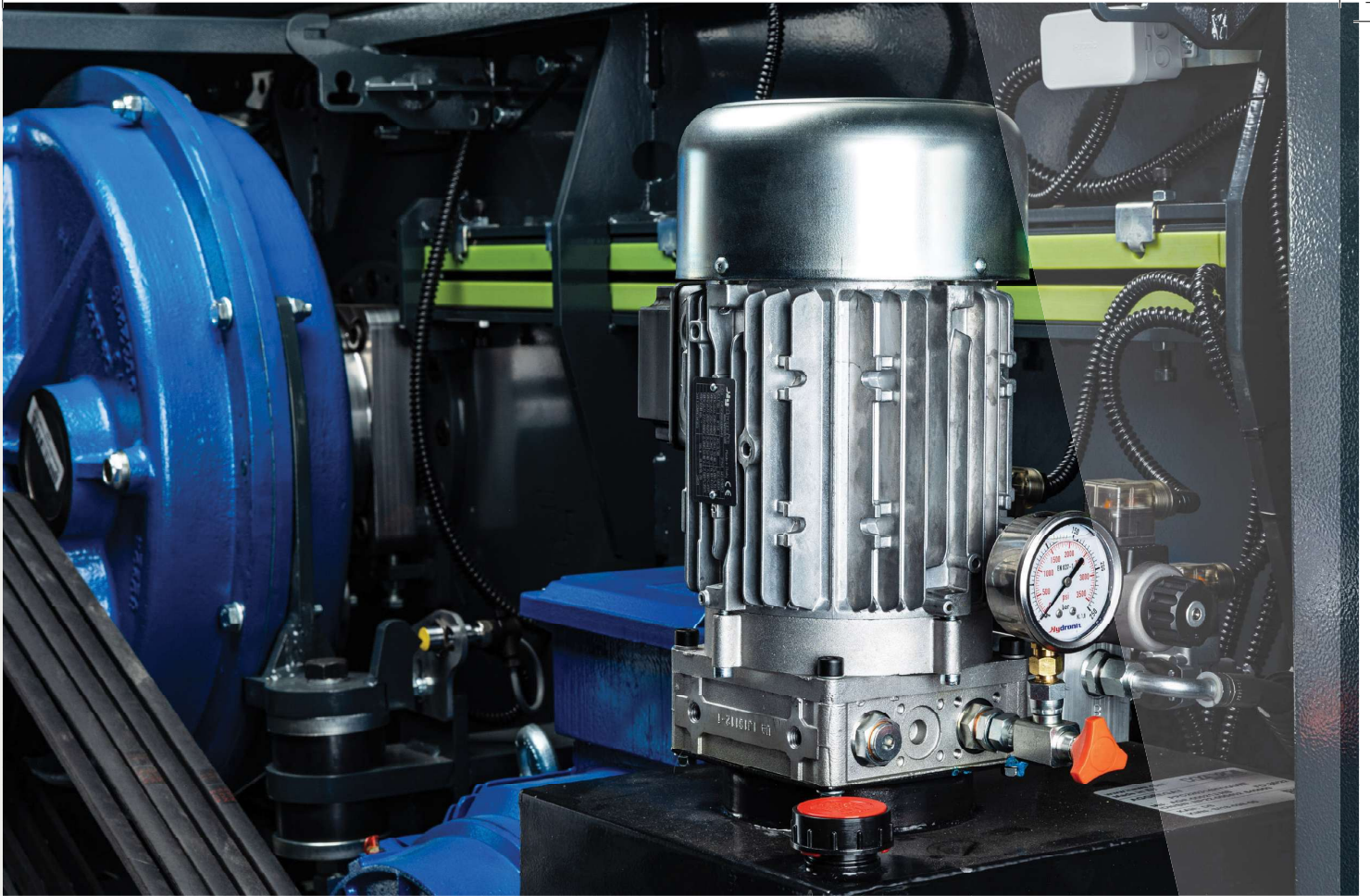
Reversible stator knives with adjustable cutting gaps to maintain peak throughput. Integrated scraper blades prevent material wrapping around the rotor shaft and protect drive seals.



Exchangeable Screen Sieves

Flexible screen options with varied hole geometries (from 10mm to 100+ mm) to guarantee precise, uniform end-particle sizes.





DRIVES & OVERLOAD PROTECTION



High-Torque Drive Units

Premium electric motors paired with heavy-duty gearboxes, delivering maximum torque at energy-efficient operating speeds.



Smart Overload Protection

Automatic reversing mechanism triggered by the ReSmart™ PLC system to clear blockages and instantly protect the rotor and drive train from un-shreddable tramp material.



VFD Speed Control

Variable frequency drives to automatically adapt rotor speed based on current hydraulic ram pressure and material density.

FEEDING & PUSHER SYSTEMS



Hydraulic Ram Pusher

Heavy-duty, load-dependent hydraulic pusher that forces material against the rotating rotor for continuous, aggressive shredding.



Wear-Resistant Segment Guides

Low-friction, high-density polymer guides that ensure smooth, precise, and wobble-free movement of the pusher ram under heavy loads.



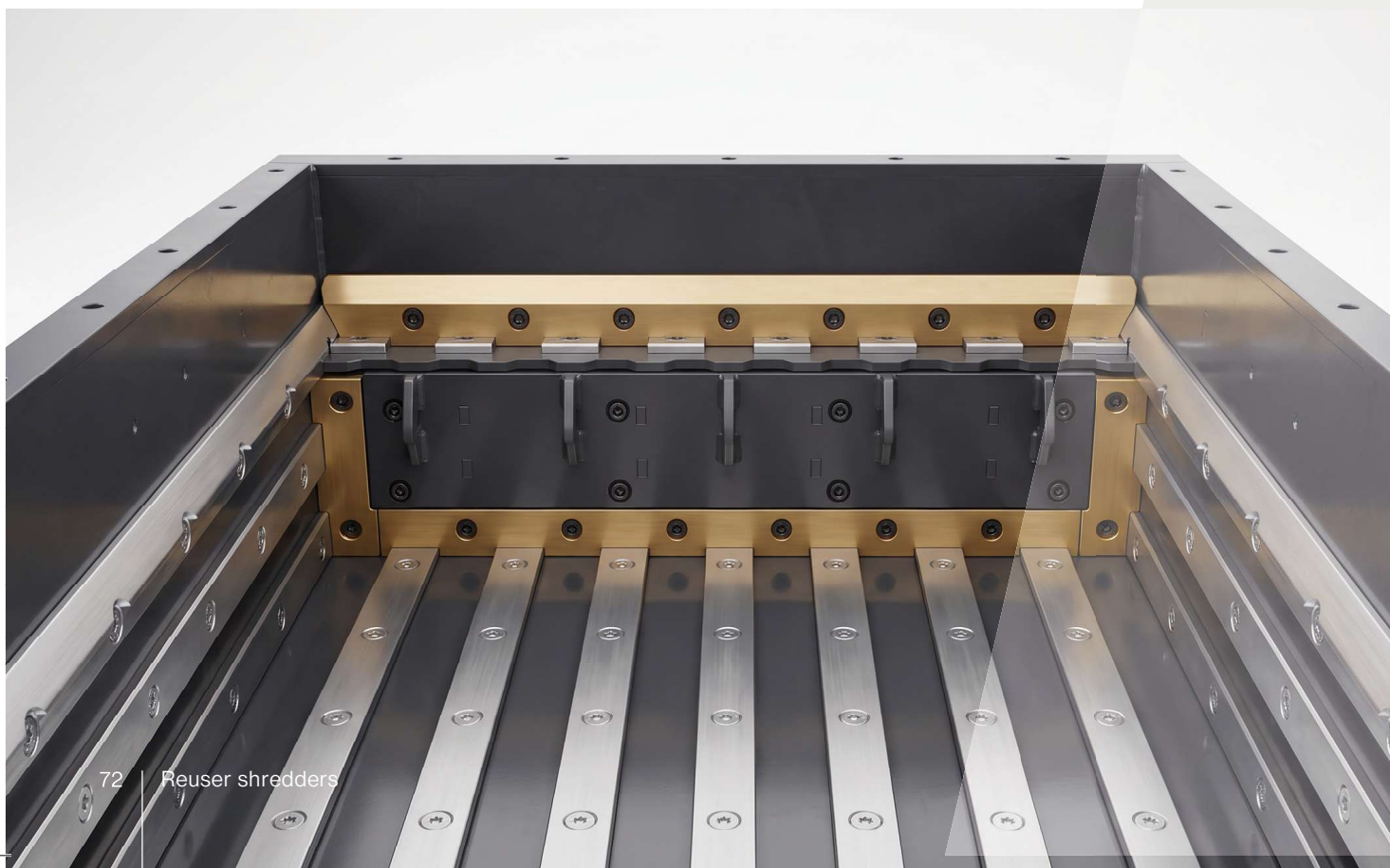
Peripheral Conveyors

Integrated infeed and discharge belt conveyors, vibratory troughs, or screw conveyors tailored for automated line integration.



Brass Sealing Strips

Prevents fine particles from jamming under the pusher, protecting internal guides and hydraulic seals.





CONNECTIVITY & SMART CONTROL



ReSmart™ PLC System

Intuitive touchscreen interface powered by Siemens® hardware for real-time operation monitoring, automated overload protection, fault diagnostics, and automated maintenance alerts.



ReBoost™ High-Speed Hydraulic System

High-torque drive combined with a large 30-liter hydraulic unit (with optional cooling) and ReBoost™ technology to accelerate ram movement, delivering maximum throughput with minimal energy consumption.



ReMotion™ Controlled Ram Movement

Advanced segmented component technology that provides smooth, precise control of the hydraulic ram, minimizing material jam risks and preventing mechanical blockages.



Remote Connectivity (IoT)

Integrated cloud access for remote real-time system monitoring, software updates, and immediate factory support to ensure 100% uptime.

SUPPORTING YOUR SUCCESS THROUGHOUT THE LIFETIME OF YOUR MACHINE.



Keeping Your Machine Performing at Its Best

At Robust, our commitment doesn't end when your machine is delivered. Our dedicated Aftersales team ensures your equipment continues to operate safely, efficiently, and reliably throughout its entire service life.



Customer Support

Our experienced support specialists are ready to assist with technical questions, troubleshooting, operational guidance, and service coordination. We respond quickly to minimize downtime and help you get the most from your Robust machine.



Warranty

Every Robust machine is backed by our comprehensive warranty program. Should an issue arise, our warranty team works quickly with customers and authorized service partners to resolve problems efficiently and minimize production interruptions.



Machine Start-up

To ensure your Robust machine delivers maximum performance from the very beginning, our technicians provide on-site start-up support. We fine-tune machine settings on-site to suit your application and train operators on safe operation, daily maintenance, and best practices. This ensures your team is confident in using the machine efficiently while achieving optimal performance and long-term reliability.

ORIGINAL SPARE PARTS & MAINTENANCE



94% Immediate Parts Availability

Over 94% of all genuine spare parts and service kits are stocked in our central warehouse for fast global dispatch, ensuring maximum machine uptime and uninterrupted productivity.



Custom Service & Emergency Kits

We offer pre-packaged maintenance kits (knives, bolts, seals, filters) for scheduled routine servicing, as well as emergency recovery kits with critical electrical components to return your machine to full operation instantly.



Genuine Quality & Long-Term Reliability

Using original Robust Reuser spare parts guarantees perfect physical compatibility, peak operational performance, and extended machinery lifespan while significantly lowering maintenance costs.



SERVICE PACKAGES

PROTECT.

PERFORM. PROTECT. PRESERVE.

Every true rebel needs a reliable forestry partner. Stand out from the average and exceed expectations with heavy-duty ROBUST Ranger machinery.

Designed for controlled power and precision splitting, the Ranger series transforms raw timber into valuable energy and construction material. Engineered to handle fresh logs, dried wood, and irregular offcuts, these robust machines simplify wood preparation while minimizing physical strain and downtime. Built for seamless integration into professional forestry workflows and demanding private operations alike.

ROBUST Ranger Product Range:

- *Log splitters*
- *Circular saws*
- *Wood jointers*
- *Accessories & Spare parts*
- *Certified used machinery*



Built for those who conquer the outdoors without compromise. Redefining forestry standards through unyielding strength, rugged practicality, and relentless European engineering.

robust.si/en/ranger



PERFORM.

PRESERVE.

EMPOWER.

ENRICH. EMPOWER. ENHANCE.

Enrich your character.
Enhance your unique style
and authenticity with
ROBUST Enjoyer lifestyle
gear.

At Robust, we believe the best work is the work you enjoy. The Enjoyer collection brings functionality, style, and community together – blending premium apparel and tools with a passion for the outdoors and everyday adventures. Built for those who embrace individuality, purposeful design, and a true commitment to quality in everything they do.

ROBUST Enjoyer Product Range:

- *Clothing & apparel*
- *Caps & headwear*
- *Split Buddy multipurpose manual splitter*



ENRICH.

ENHANCE.

Life is about enjoying every process, on and off the field.
Embrace quality gear, express your unique identity, and
take pride in doing things with passion and style.

robust.si/en/enjoyer



SELECTED REFERENCES



Robust d.o.o. has implemented and maintains an **Environmental Management System** which fulfills the requirements of the **ISO 14001 : 2015** standard.



All Robust Reuser products comply with **European Health, Safety, and Environmental Protection** standards, ensuring full legal compliance and maximum operator safety.



Engineered and manufactured in Slovenia (EU), adhering to highest European quality standards and precision engineering.

REACT. REDUCE. RECOVER.



SUSTAINABILITY ASPECT

The company ROBUST in its mission represents three fundamental pillars of the sustainability aspect: care for people and the common good of society, commitment to environmental protection, focus on economic contribution to the overall economy.

The fundamental pillars are the core of our identity and way of operating, as they reflect our commitment to sustainability in all aspects of our business. With these fundamental principles, we strive to develop innovative approaches and implement responsible practices that not only support our success but also create a positive impact on communities, the environment, and the economy.



INNOVATIVE SOLUTIONS

We strive to ensure that our products are characterized by innovations, patented solutions, and design protections. Our commitment to innovative system solutions is reflected in the meticulous planning and adaptation of the entire process, from idea to execution, utilizing the latest technologies to enhance our products. Dedication to continuous progress has already resulted in an extensive range of domestic and international awards for quality and innovation.





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