

LINDNER

URRACO 75 SERIES

Product presentation, v 1.0_2019

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- Mobility
- Drive system
- Powerful Scania Diesel engine
- ABB electric drive
- Mobile hydraulics
- Automatic detection of non-shreddables
- 3-circuit cooling system

■ Cutting system

■ Hopper

■ Material output

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■ Over-belt magnetic separator

■ Fire extinguishing unit in the engine compartment

■ Water sprinkling system

■ Additional wear protection package cutting system

■ **Technical data**

■ **Our customers**

CHAPTER 1

URRACO 75 SERIES AT A GLANCE

COMPACT MOBILE SHREDDING

- Powerful, extremely compact mobile twin-shaft shredder
- Ideal for the primary shredding of bulky waste and waste wood
- Adapts perfectly to the material thanks to shaft pairs available in different designs
- Customisable drive configurations with our SCANIA diesel or ABB electric motors
- Depending on your mobility needs, the machine is available in a hook-lift version or with a tracked chassis



FINE WASTE WOOD

- Waste wood grades A1–A4 (German waste wood recycling and disposal ordinance) for combustion purposes
- Specifications

Input material	Waste wood (A1 – A3)
Input size	< 2,000 mm
Bulk density	approx. 200 – 300 kg/m ³
Moisture	< 30%
Output size	90 % < 200 mm



GARDEN WASTE

- Volume reduction of freshly cut, little or slightly lignified plant residues for better composting
- Specifications

Input material	Garden waste
Input size	< 2,000 mm
Bulk density	approx. 300 – 350 kg/m ³
Moisture	< 90%
Output size	90 % < 250 mm



COARSE WASTE WOOD

- Waste wood grades A1–A4 (German waste wood recycling and disposal ordinance) for combustion purposes
- Specifications

Input material	Waste wood (A1 – A4)
Input size	< 2,000 mm
Bulk density	approx. 200 – 300 kg/m ³
Moisture	< 30%
Output size	90% < 300 mm



WOODY ROOTS

- Primary shredding of roots for subsequent processing or combustion purposes
- Specifications

Input material	Roots
Input size	< 2,000 mm
Bulk density	approx. 300 – 350 kg/m ³
Moisture	< 30%
Output size	90% < 300 mm



MSW & BULKY WASTE

- Primary shredding of waste from municipal and bulky waste collections for co-incineration or recycling
- Specifications

Input material	MSW & bulky waste
Input size	< 2,000 mm
Bulk density	approx. 150 – 250 kg/m ³
Moisture	< 30%
Output size	90% < 300 mm



LIGHT SCRAP

- Light scrap shredding for subsequent sorting and material recovery
- Specifications

Input material	Light scrap; diameter < 6 mm
Input size	< 2,000 mm
Bulk density	approx. 400 – 500 kg/m ³
Moisture	-
Output size	90% < 300 mm



CHAPTER 2

**TECHNICAL
PRODUCT DETAILS**

FEATURES

DOUBLE TILTING HOPPER SYSTEM

HYDRAULICS

DRIVE

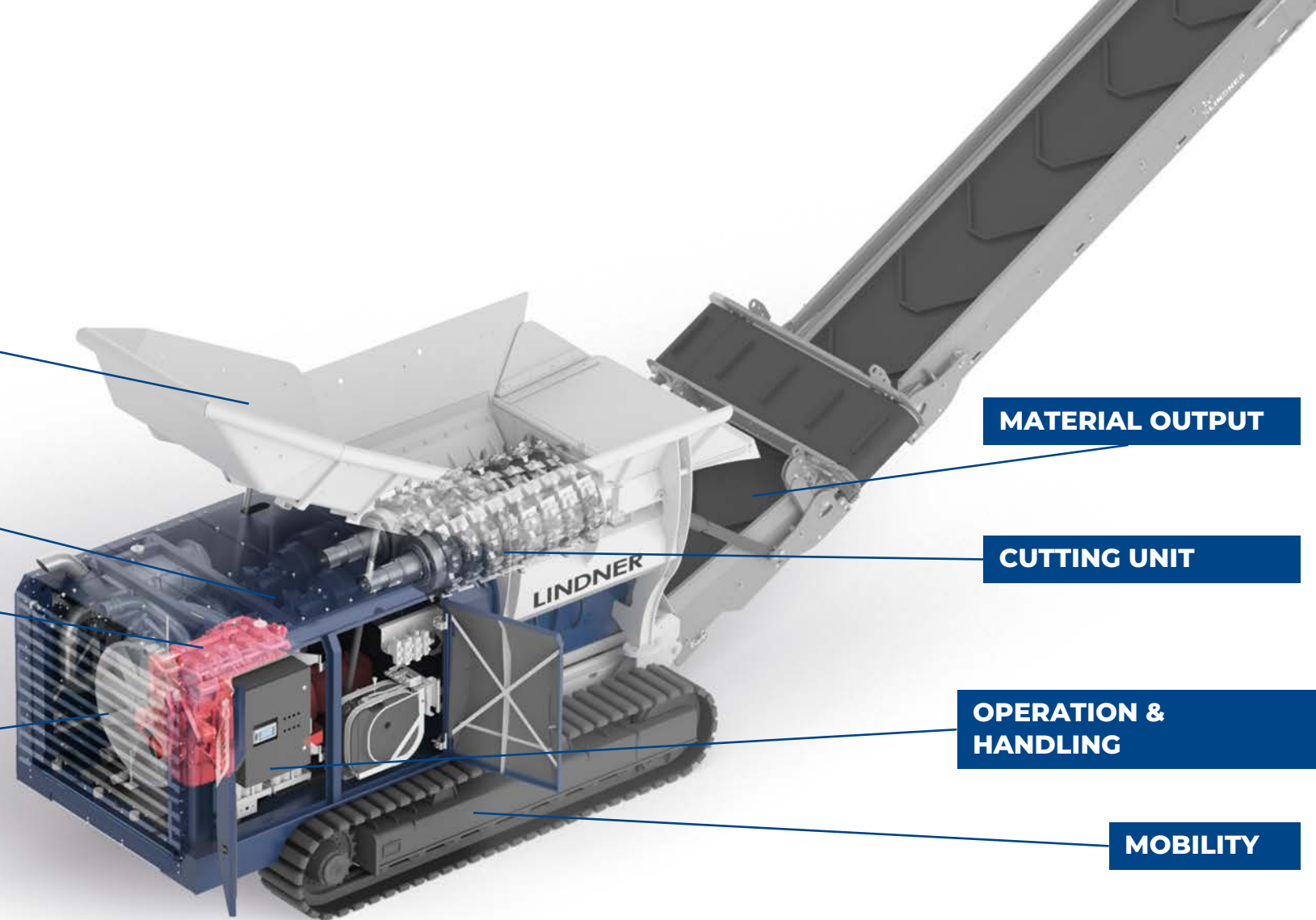
3-CIRCUIT COOLING SYSTEM

MATERIAL OUTPUT

CUTTING UNIT

OPERATION & HANDLING

MOBILITY



OPTIONAL FEATURES:



MAGNETIC
FE-SEPARATOR



WATER
SPRINKLING
SYSTEM



FIRE
EXTINGUISHING
SYSTEM



HARDFACING
SHAFTS

OPERATION & HANDLING

- User-friendly HMI Bosch-Rexroth controller with intuitive menu
- Convenient shredder operation from the wheel loader using our remote
- High uptimes thanks to our guided fault diagnosis functions
- Location-independent, fast software support thanks to our remote maintenance system with integrated GSM module

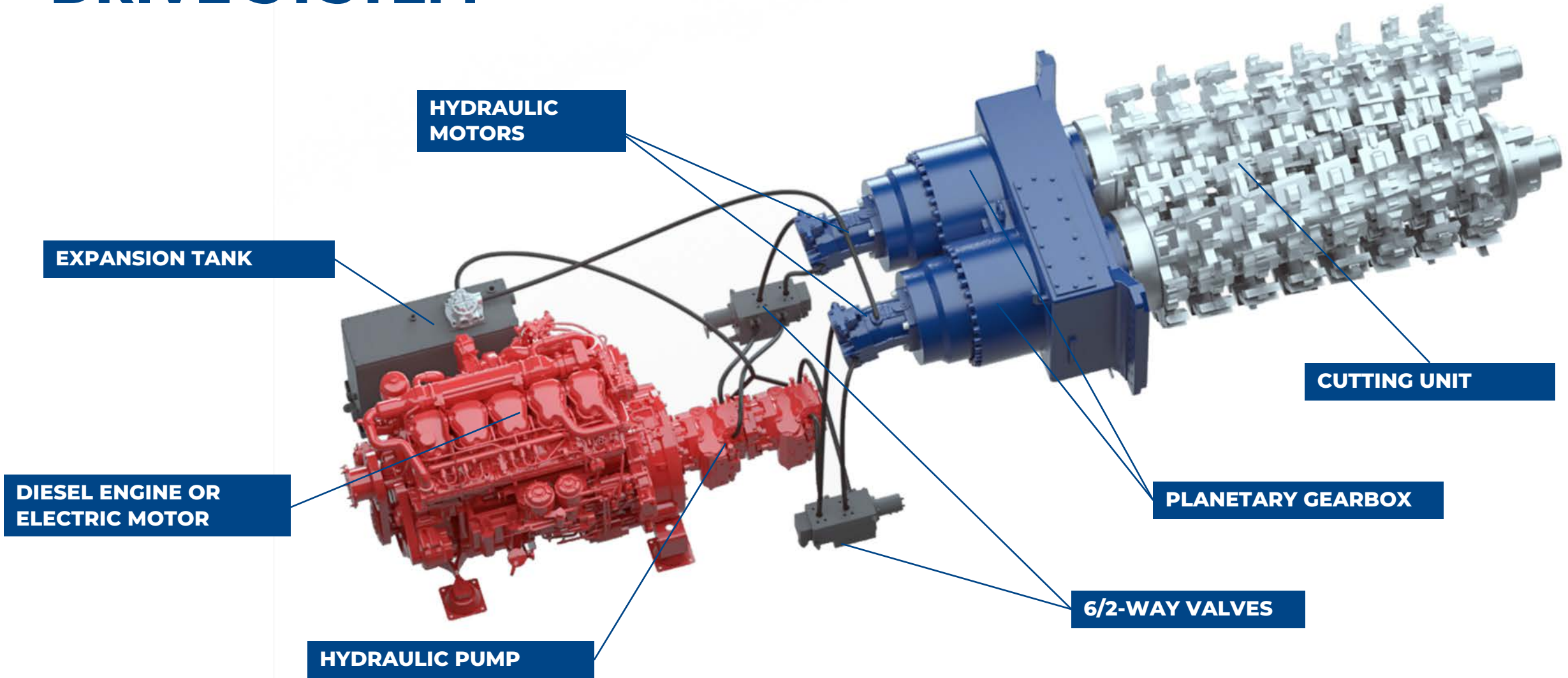


MOBILITY

- Customisable to your mobility requirements thanks to different chassis designs
 - Country-specific hook lift versions with optional wheel axle for easy transport and fast manoeuvring on-site
 - Tracked, joystick-operated version with optional flat or rubberised track shoes for independent on-site transfer (diesel only)

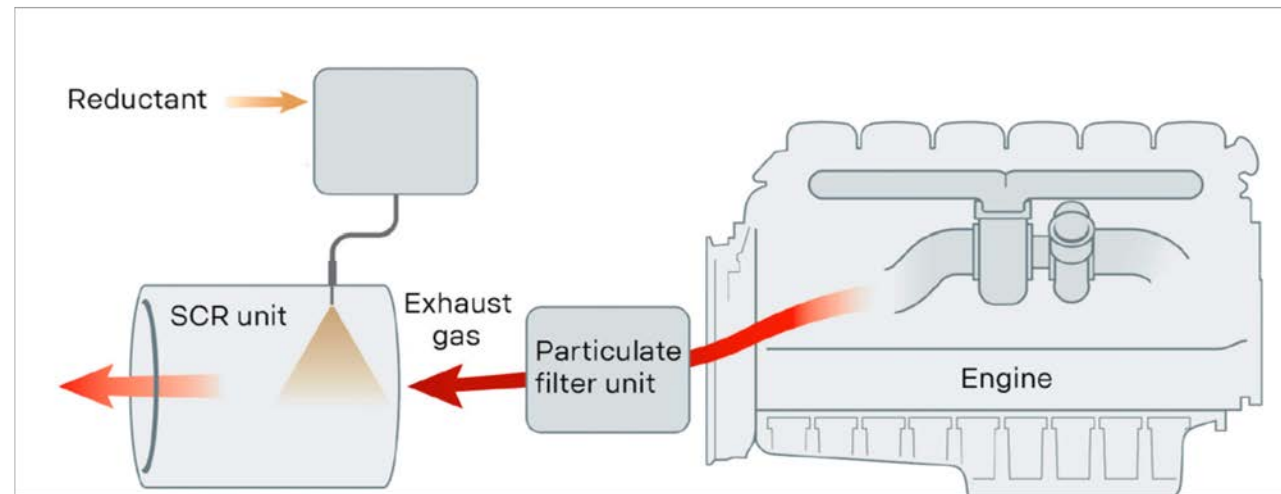
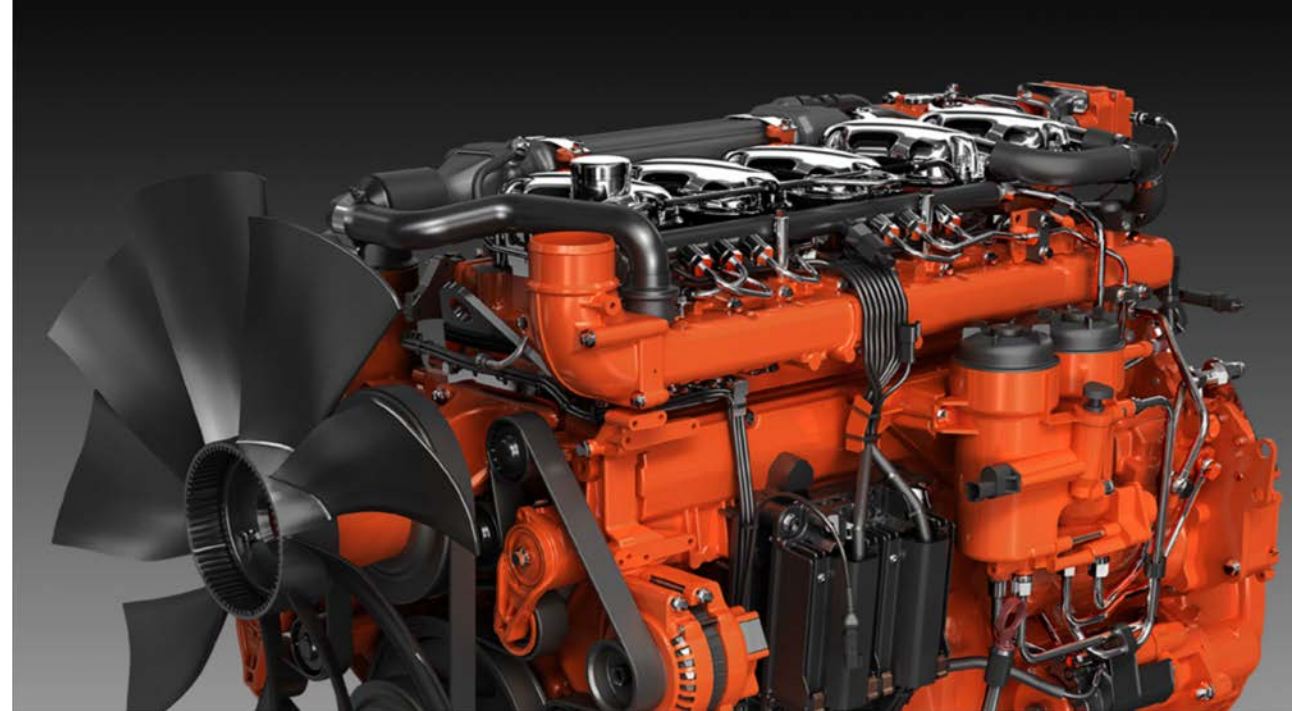


DRIVE SYSTEM



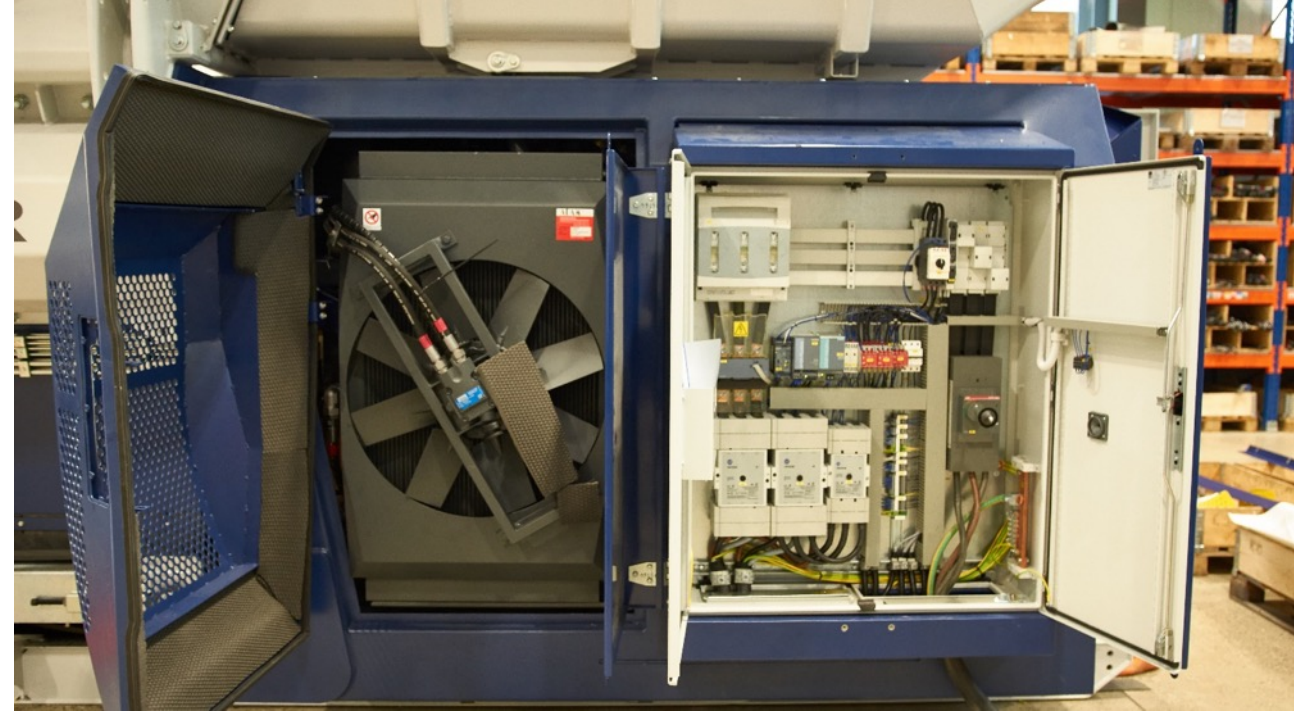
POWERFUL DIESEL ENGINE

- High uptimes with our tried-and-tested SCANIA technology
 - Environmentally friendly operation thanks to particulate filter and SCR exhaust cleaning system
- Low operating costs with our state-of-the-art engine technology



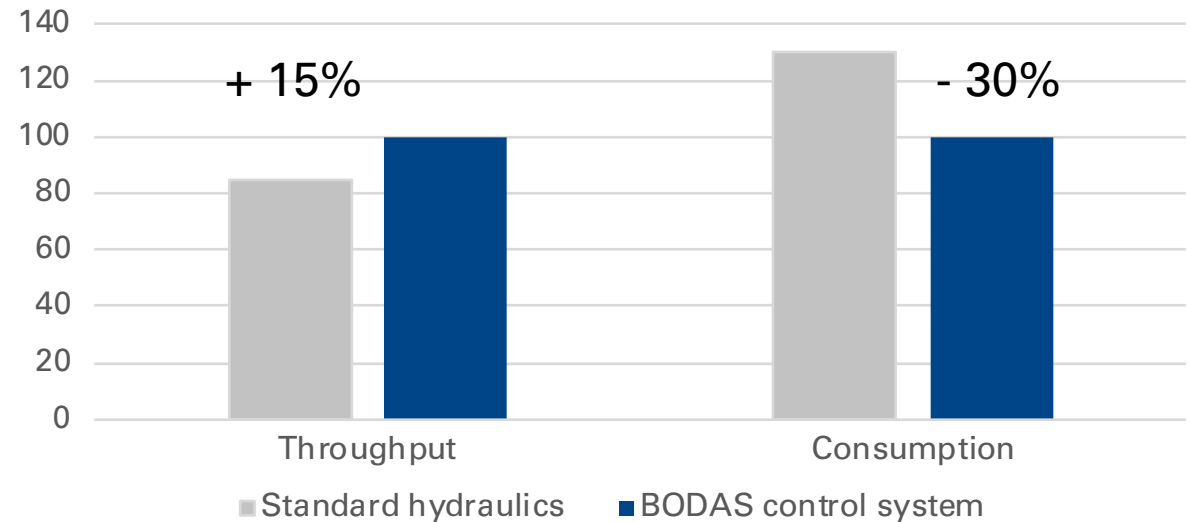
HIGH-PERFORMANCE ELECTRIC DRIVE

- Highly efficient thanks to our tried-and-tested ABB electric motors
- Space-saving installation with no time-consuming cabling thanks to our integrated control cabinet
- Easy operation on more than one site with an optional plug&play connector



HIGHLY EFFICIENT MOBILE HYDRAULICS

- Maximum efficiency at the perfect operating point with our electronic BODAS control system
- Up to 15% more throughput compared to standard hydraulic systems thanks to faster adaptation to current performance requirements
- Low diesel consumption due to consistent diesel motor load
- Adapts perfectly to input material thanks to pre-configured programs



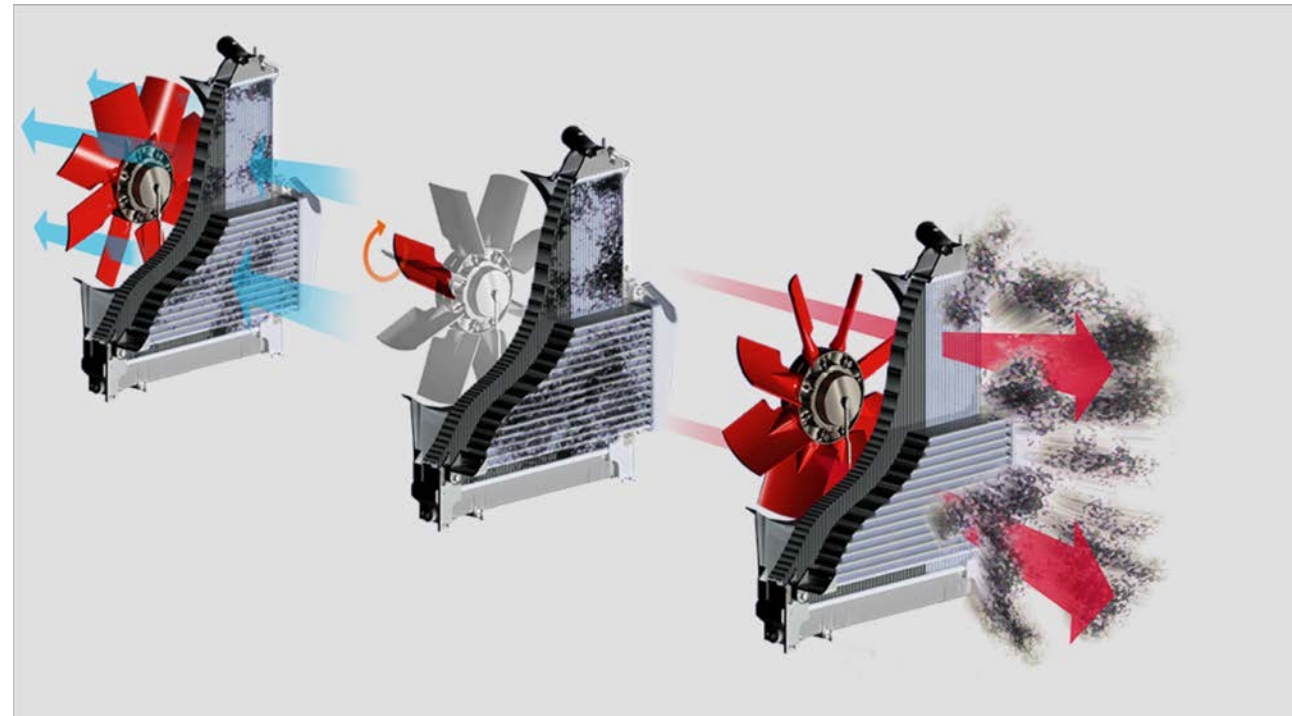
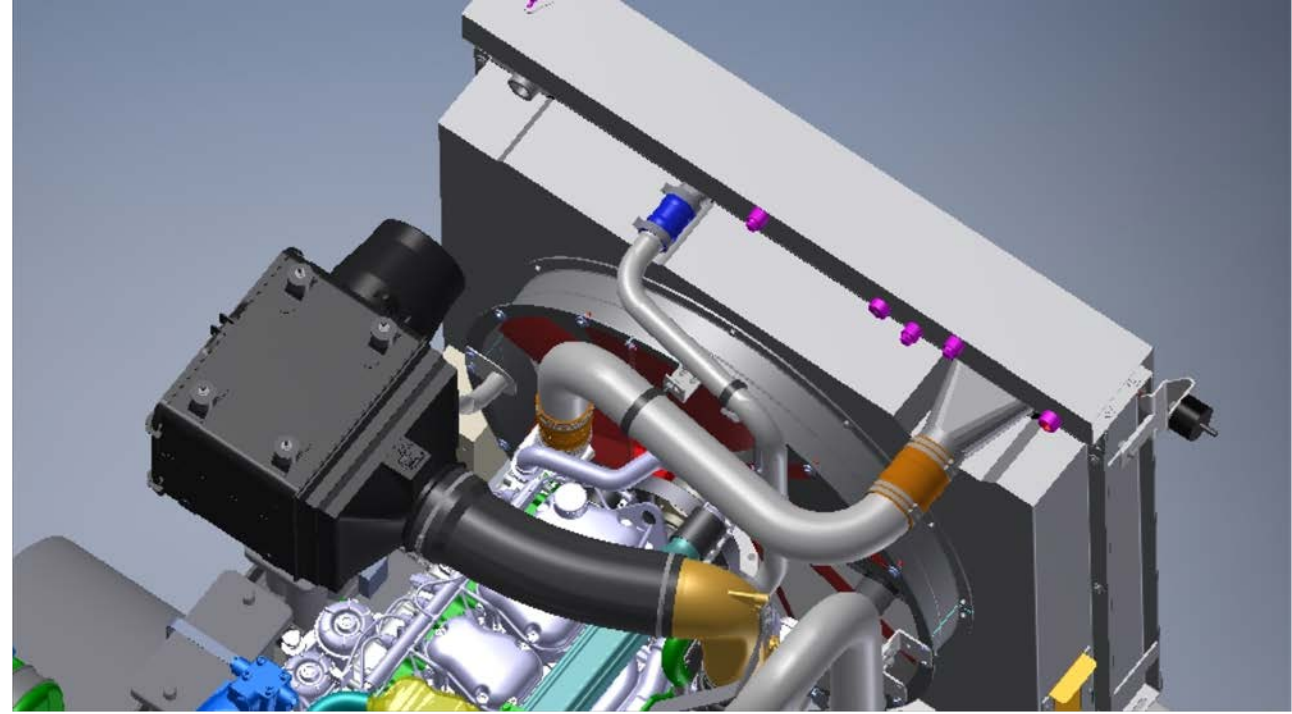
AUTOMATIC DETECTION OF NON-SHREDDABLES

- Securely powers down in the event of non-shreddables in the input material
- Shafts and drive unit protected by electronic system monitoring
- Easy removal of non-shreddables thanks to automated shaft release



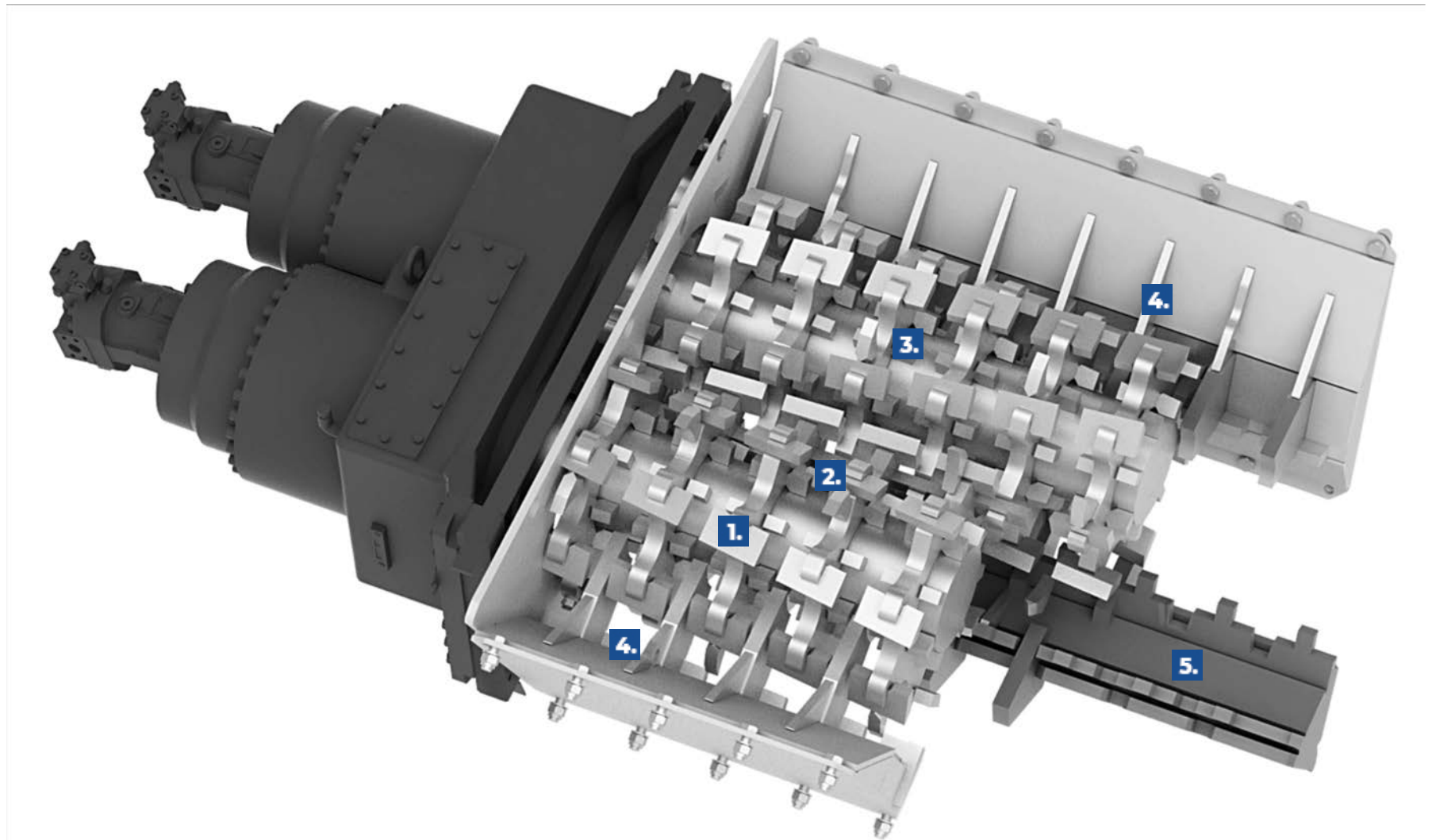
3-CIRCUIT COOLING SYSTEM

- Long service life thanks to the effective cooling of hydraulics, engine and charge air
- Clean operation in dusty environments thanks to self-cleaning Cleanfix reversible fan



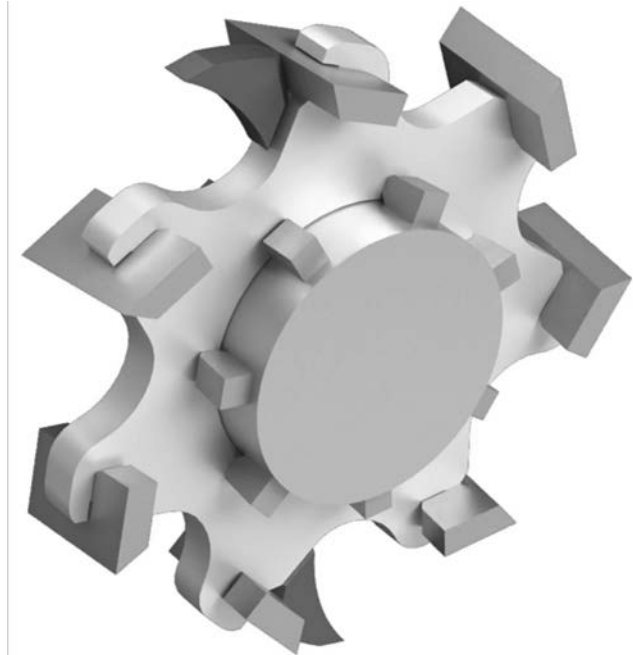
CUTTING SYSTEM

1. Cutters
2. Feed hooks
3. Cleaning teeth
4. Scrapers
5. Breaker bar



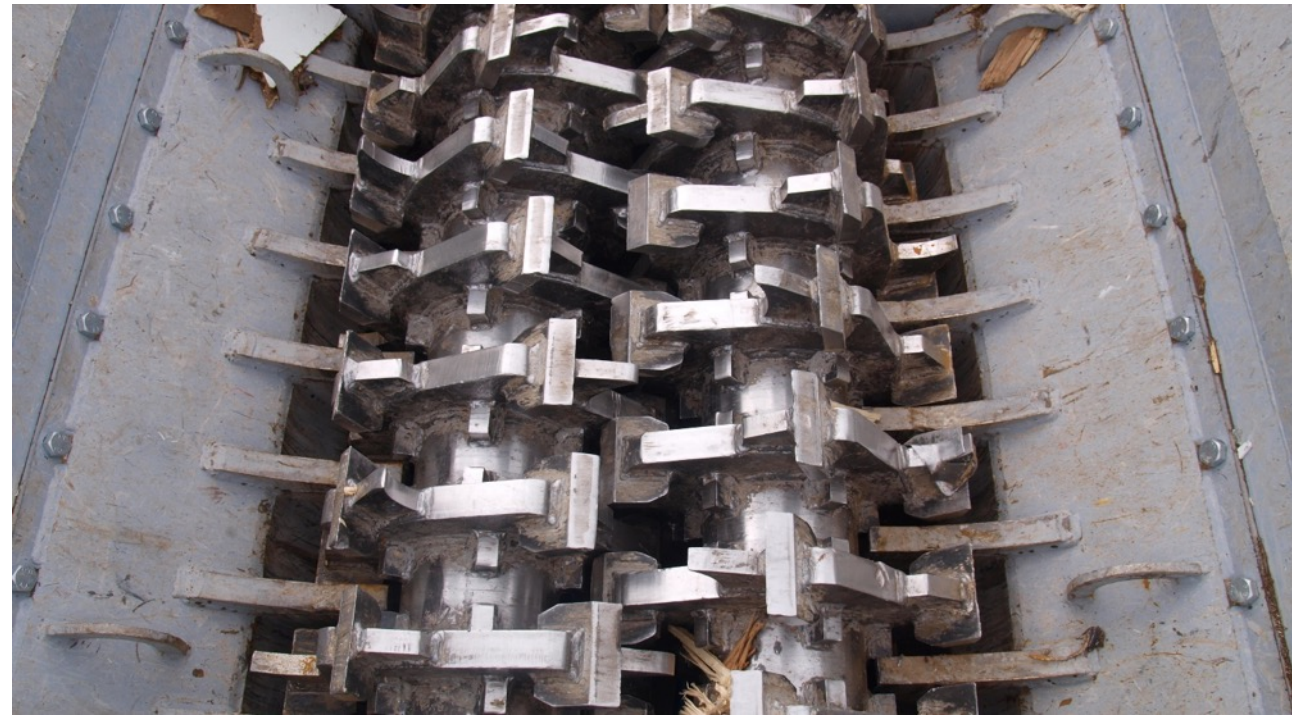
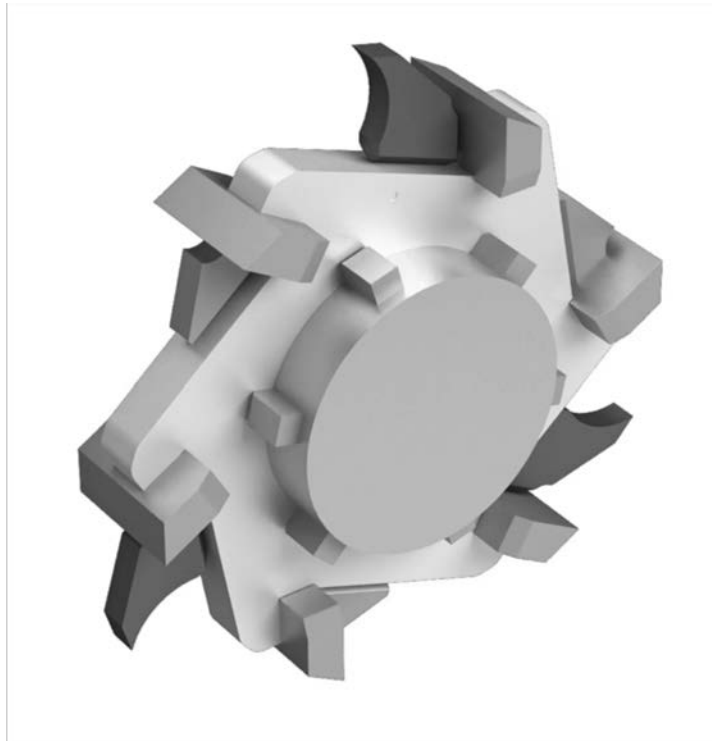
CUTTING SYSTEM WASTE WOOD FINE

- Patented cutting system with a combination of cutting and crushing
 - Cutting action for homogenous output
 - Crushing action for fewer superfine particles
- High throughput thanks to an aggressive automatic intake



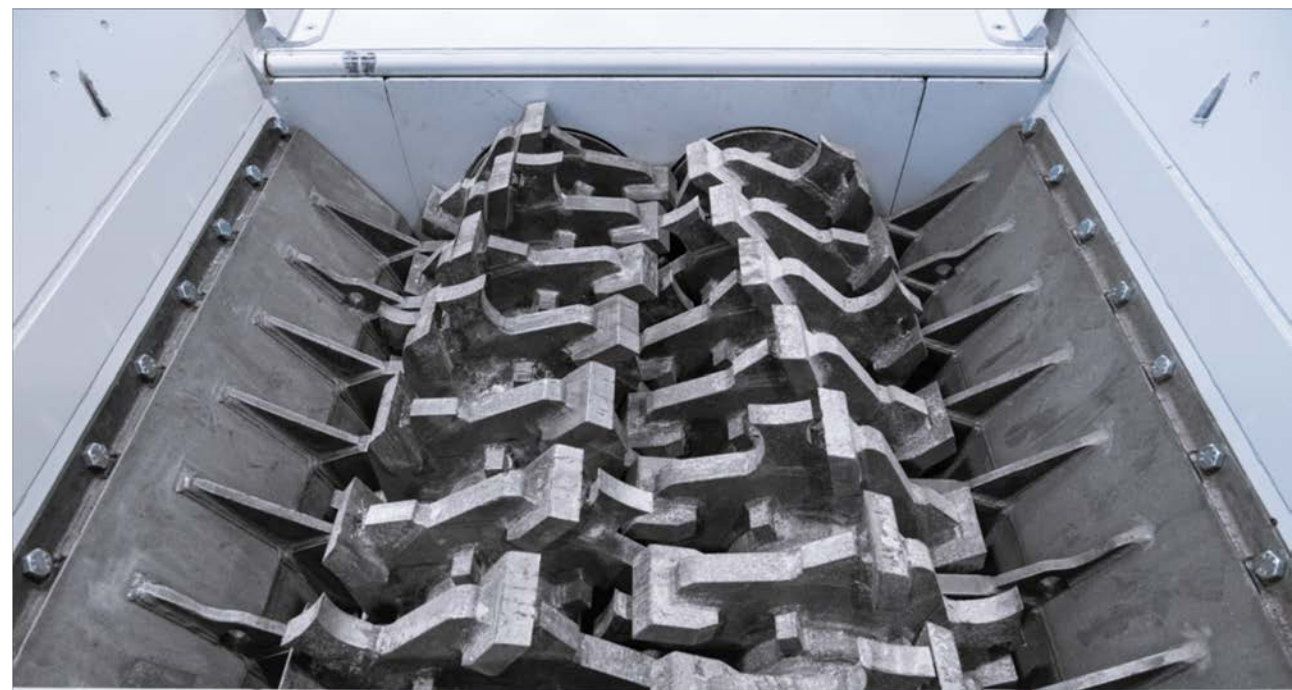
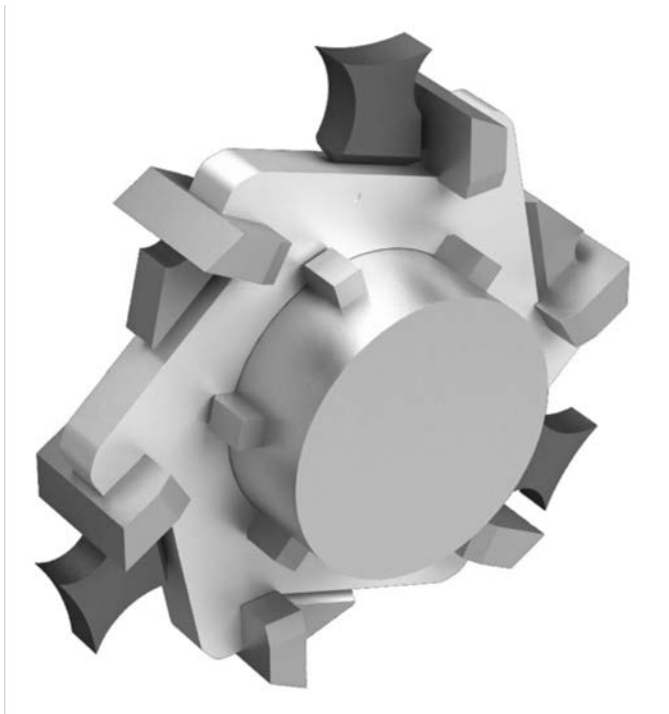
CUTTING SYSTEM WASTE WOOD ROUGH

- Crushing action for coarse primary shredding of waste wood
- Undeterred by non-shreddables such as iron fittings, screws and bolts etc.



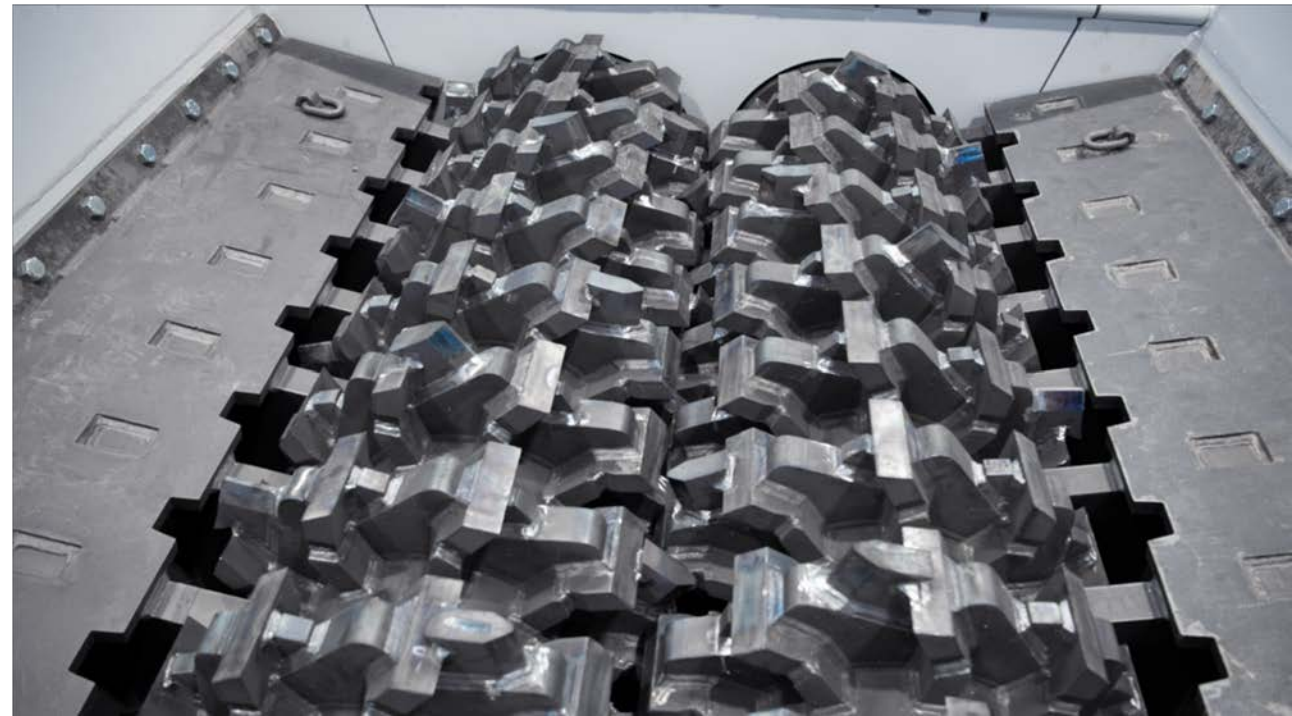
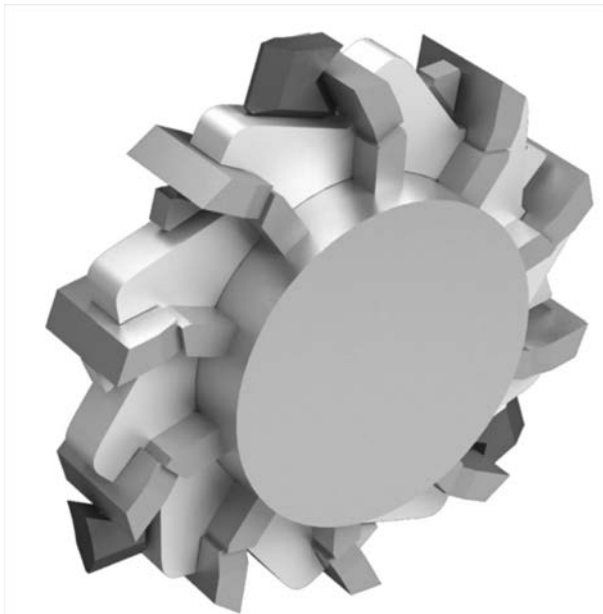
CUTTING SYSTEM C&I / MSW

- Aggressive material intake in both directions of rotation thanks to signature ripper combos
- Optimised geometry for automatic self-cleaning of the cutting unit



CUTTING SYSTEM LIGHT SCRAP

- Optimised geometry in particularly robust design for shredding metal
- Reinforced cutter holders for harder materials such as sheet metal, aluminium profiles, cookware etc.



HOPPER

- Easy feeding with our spacious, hydraulically operated double-tilting hopper system
- Continuous feeding thanks to a tilting angle of 80°
- Convenient remote shredder operation from the wheel loader



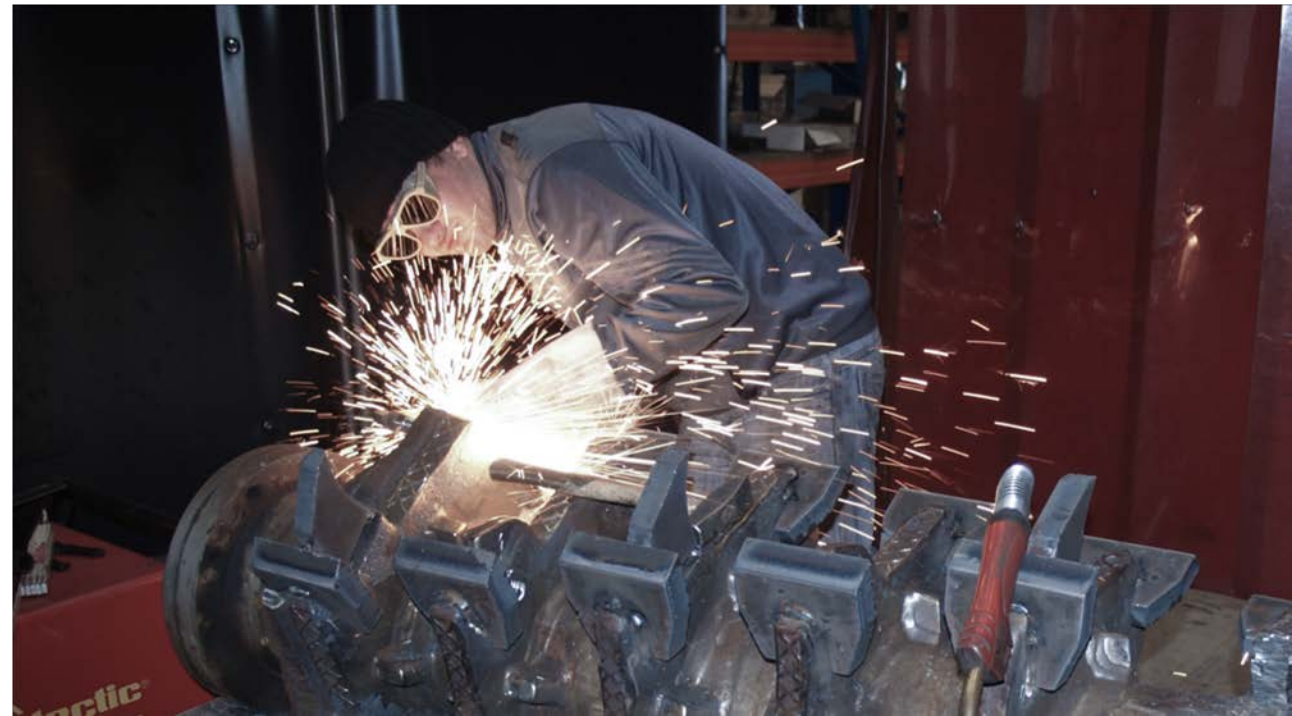
MATERIAL OUTPUT

- Low dust emissions due to hydraulic height-adjustable conveyor belt, which can be even adjusted during operation
- Fast machine packing for storage or transport thanks to our hydraulically operated, fully retractable double folding conveyor
- Separate ferrous metals with optional over-belt magnet
- Long service life even with heavy materials such as scrap or industrial waste with our optional steel-reinforced conveyor belt



SERVICE & MAINTENANCE

- Low downtimes thanks to sophisticated service functions
 - No lengthy waiting times with our remote maintenance via integrated GSM module
 - SCANIA engines for quick service availability worldwide
 - Shaft exchange or hardfacing service by trained Lindner employees



CHAPTER 3

OPTIONAL FEATURES & ADD-ONS

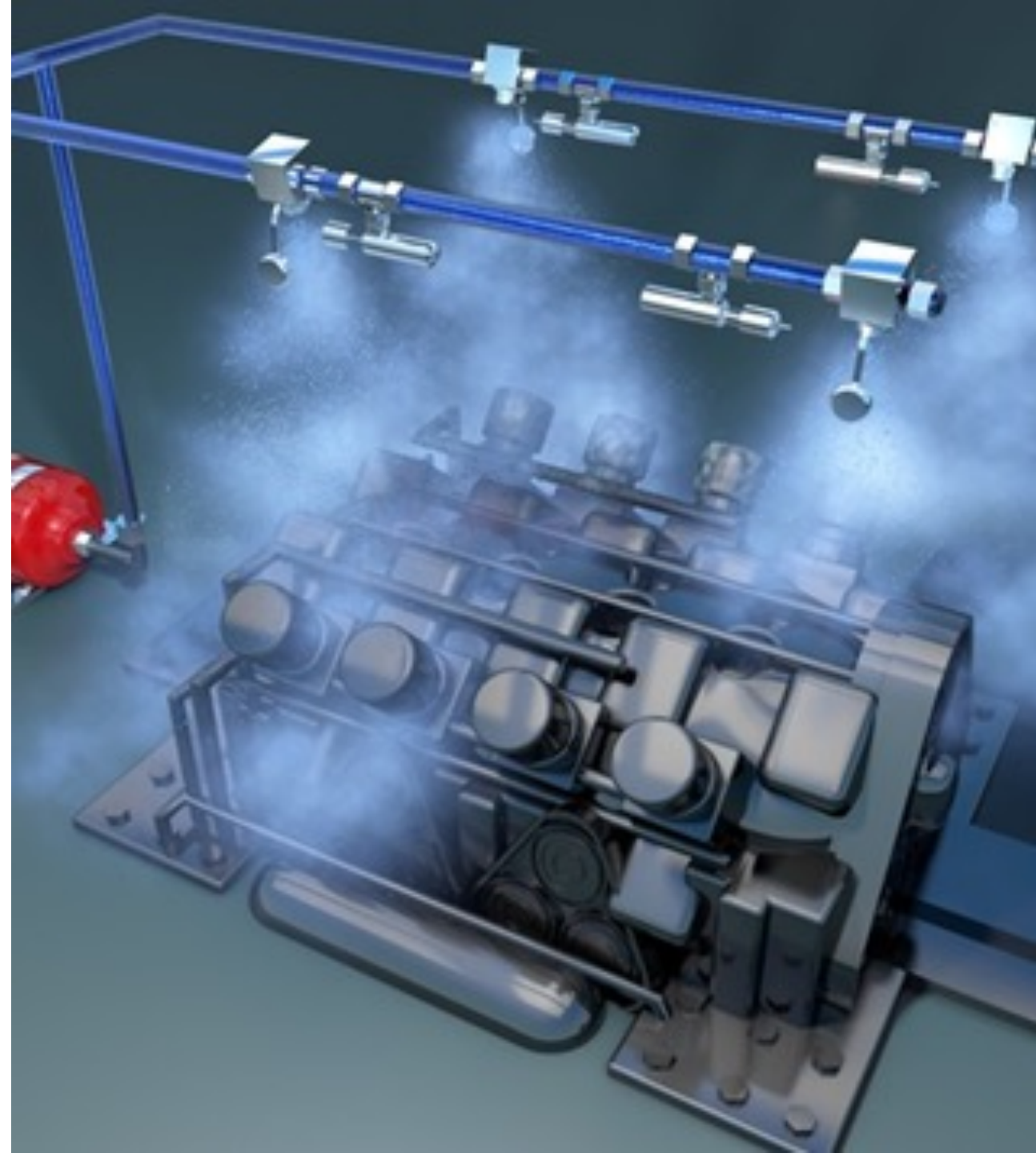
OVER-BELT MAGNETIC SEPARATOR

- Permanent over-belt magnet for ferrous metal separation
- Fitted above the conveyor belt
- Hydraulically height-adjustable
- Incl. discharge chute



FIRE EXTINGUISHING UNIT IN THE ENGINE COMPARTMENT

- For effective fire extinguishing in the engine compartment
- Releases cooling and suffocating foam
- Self-monitoring, no electricity needed
- Robust and maintenance-free thanks to galvanised, non-pressurised pipes



WATER SPRINKLING SYSTEM

- To remove dust from the filling and discharge areas
- 4 pcs. spray nozzles positioned in the suction hood
- 2 pcs. spray nozzles positioned in the output area
- Incl. water filter and pressure limiter
- Switch it ON/OFF using the control panel



ADDITIONAL WEAR PROTECTION PACKAGE CUTTING SYSTEM

- Ideal for shredding particularly abrasive material
- Cutter hardfacing (type HW)
- Scraper hardfacing (type HW)
- Support wire made of cobalt hard alloy



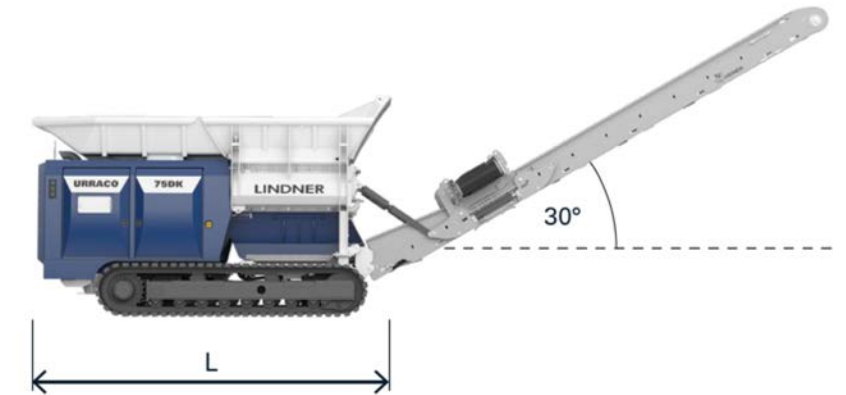
CHAPTER 4

TECHNICAL DATA

URRACO 75 SERIES

		URRACO 75D	URRACO 75DK	URRACO 75E
Drive Power Diesel	hp	375	375	-
Exhaust Gas Standard		EU Stage IV (USTier 4f) / EU Stage IIIA		-
Drive Power Electric	kW	-	-	200
Type		Hook	Track	Hook
Shaft Length	mm	2 x 1500	2 x 1500	2 x 1500
Max. torque	Nm	240.000	240.000	240.000
Total Weight	t	18,5	22	18,5
Measure (LxBxH)	mm	7000 x 2500 x 2700	7000 x 2500 x 2900	7000 x 2600 x 2700
Discharge Height (at 30°)	mm	4400	4600	4400

* The stated values refer to standard machine versions. The right to make technical changes is reserved.



URRACO 75 SERIES

OUR CUSTOMERS

WE ARE PROUD TO WORK WITH:



LINDNER