

SYSTEM SOLUTIONS PLASTICS RECYCLING

PURE VALUE.



MAKE THE MOST OF WASTE.

SHREDDING TECHNOLOGY AND SYSTEMS ENGINEERING FOR THE RECYCLING INDUSTRY OF TOMORROW.

We believe in transforming waste into precious materials. That's why we invest all our knowledge and innovative power in shredding machines and system solutions that are highly efficient, robust, reliable and easy to maintain. So our clients can transform waste into a valuable and reusable resource – efficiently and reliably.

In-house research and development



In-house electrical engineering department

Consulting, engineering & system construction

Worldwide service network

Export countries



Employees worldwide

Locations worldwide



90

INNOVATION AS A PRINCIPLE - QUALITY PROMISED AND DELIVERED

Josef Lindner founded our family business in 1948. He started by planning and producing machines and systems for the wood industry. Today, more than 70 years later, the company is still familyowned, employs over 350 people worldwide and exports to more than 90 countries.

Production still takes place in Austria. In 2022, we moved into our new home of recycling, the new company headquarters in Spittal an der Drau in Carinthia, Austria. We manufacture in line with trailblazing production standards on 14,000 m² using the latest robotics & automation systems. This way, we are able to manufacture the majority of components in-house, guaranteeing our proven Lindner quality and the rapid availability of machines, systems and spare parts.



THE CYCLE STARTS HERE.

SYSTEM SOLUTIONS TO RECYCLE END-OF-LIFE MATERIALS

ZERO WASTE POTENTIAL

It is no longer possible to imagine society without polymer plastics. Despite plastic products being increasingly condemned around the world, it's virtually impossible to do without this versatile and fascinating material. For this very reason, the demand for products made from high-quality recycled materials is constantly growing, and large brands in particular want to meet this need. To do this, they need secondary raw materials in consistently high quantity and quality.

The newly founded AST centre of competence provides an impressive example of how this works, for example, with highly durable plastic containers that keep their shape. The company's long-term goal with this investment is to increase the recyclate used in its own products. The new plastics recycling line for processing post-industrial and post-consumer HDPE (high-density polyethylene) is intended - with Lindner as project partner - to create their own supply of this 'raw material'. You can read the whole success story here: https://www.lindner.com/ast-group

AST success

EVERYTHING FROM A SINGLE SOURCE -TURNKEY SOLUTIONS FOR MECHANICAL RECYCLING

Lindner's turnkey system solutions for plastics recycling are very much on trend. A functioning circular economy can only become a reality with highquality recyclates. This, however, requires the right raw material. To produce it profitably with the lowest possible production costs, Lindner offers a full range of modern shredders as well as washing and sorting components from a single source. An incredibly experienced engineering team combined with perfectly tailored machines become highly productive solutions that impeccably prepare waste plastics for extrusion and get the recycling loop going.

Read the full





Plastics production worldwide 2020



367 million tonnes

Plastic waste worldwide 2019

353 million tonnes

Of which recycled:



31,8 million

Waste generated worldwide in 2020:



6,200k tonnes/day

Ratio of plastic to fish in the ocean, assuming no

change in influencing factors.

(by weight)

Plastic waste recycling rates (2020):

30% EU 18% CHINA 5 - 6% USA

2014

2050



1:5

>1:1

Source: Plastic the facts 2020: https://plasticseurope.org/knowledge-hub/plastics-the-facts-2021

MAXIMUM VERSATILITY.

PLASTICS - A HIGHLY SOUGHT-AFTER RAW MATERIAL

FROM SUPERMARKETS TO SPACE TRAVEL

Due to plastics' countless applications, we encounter them in virtually every aspect of our daily lives. Worldwide production reached 367 million tonnes in 2020 and is rising every day. Polyethylene and polypropylene account for the largest share in terms of volume. The good news: with the right technology, discarded plastics can be transformed back into secondary raw materials, saving precious resources at a profit.

7,4%

7,8%

9,6%

8,4%

6,1%

10,7% lastic the facts 2020: https://plasticseurope.org/knowledge-hub/plasticseurope.org/knowledge-

19.7% PP

Containers, food packaging, closures, toys, car parts. garden furniture etc.

17,4% PE-LD, PE-LLD

Consumer, industrial and agricultural films, Food packaging etc.

12,9 % PE-HD, PE-MD

Toys, milk bottles, Household goods, pipes, cosmetic bottles etc.

8,4% PET

Beverage bottles, trays, foils, textile fibres etc.

10.7% OTHER THERMOPLASTICS

9,6% PVC

Window profiles, floor coverings, cables, toys, hoses etc.

7,8% PUR

Insulation material, pillows, mattresses etc.

7,4% OTHER PLASTICS

Insulation material, pillows, mattresses etc.

6.1% PS. PS-E

Spectacle frames, cups, packaging, insulation material etc.

19.7%

17,4%

PE-LD & PE-LLD FILM



Large quantities of film are part of the waste stream as post-consumer, post-commercial or agricultural film. They are usually contaminated with organic waste and paper labels. Thanks to modern multi-stage processing and state-ofthe-art washing technology, it's possible to produce perfectly customised flakes that are ideal for extrusion.

PE-HD **BOTTLES**



PP waste is generated as mono or mixed fractions while sorting commercial or bulky waste. The robust shredder, which is resistant to non-shreddables, reliably shreds these materials into sortable flakes. These are then cleaned and, particularly importantly, separated to obtain a homogeneous source material for new, high-end products.

PET CONSUMER GOODS BOTTLES



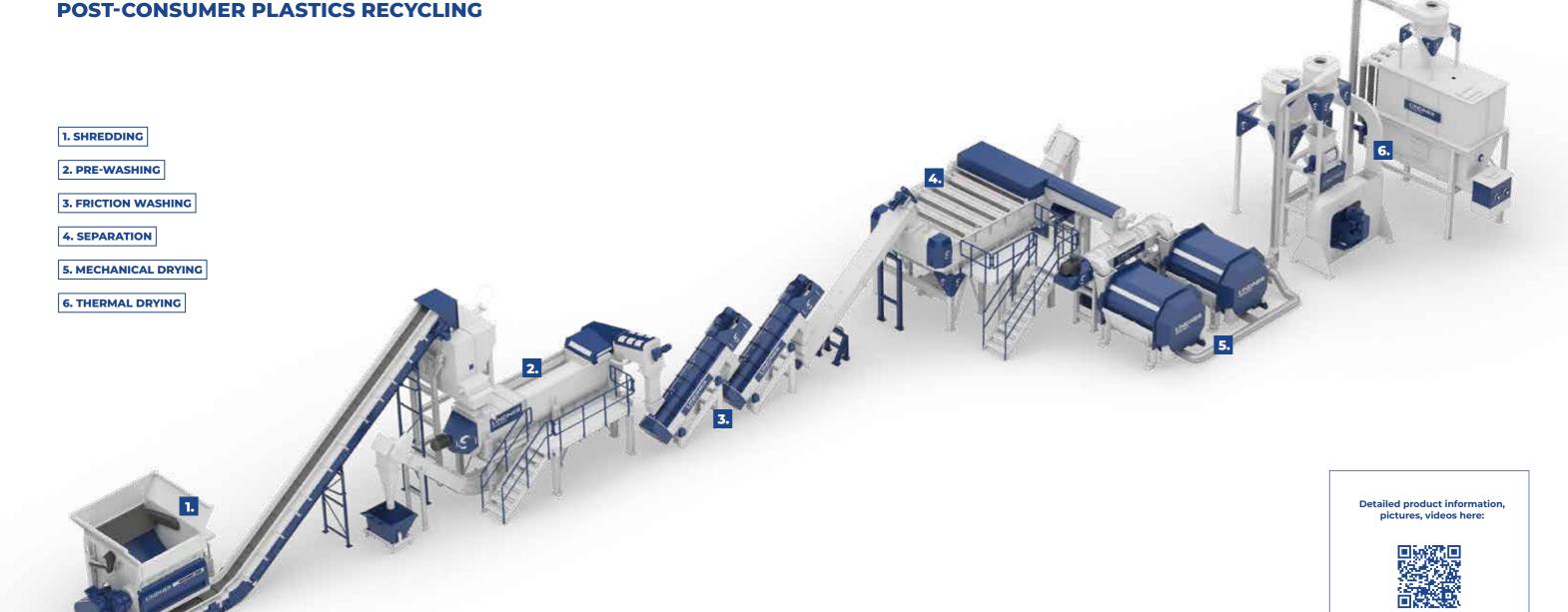
Next to polyolefins, PET is one of the most commonly used plastics for packaging. In order for PET to be successfully recycled and reused in the food industry, the focus is not only on professional shredding but also on the demanding cleaning process.



PE-HD bottles are traded in pre-sorted and pressed form. The purity of these materials varies greatly depending on their origin. Lindner's hot-wash system can be used to produce such a high-quality regrind that it can even replace virgin PE-HD - the basis of a genuine circular economy.

SUCCESS ALL ALONG THE LINE.

Lindner's multi-stage processing facility for post-consumer plastic is in a class of its own. Perfectly matched components ensure superb output quality. Robust high-end shredding, washing and drying technology is the key to smooth 24/7 operation with low maintenance requirements and consistently high throughput. It has never been easier to guarantee the ideal input for subsequent processes.



NOTHING TO WASTE.

With our compact solution combining a primary shredder and granulator, it has never been easier to prepare plastic waste, defective products or offcuts for re-entering the production cycle. Enjoy maximum productivity with our highly efficient, robust and low-maintenance components.

POST-INDUSTRIAL PLASTICS RECYCLING

1. PRIMARY SHREDDING

2. CONTAMINANTS DETECTION

3. GRANULATION

4. GRANULATE COLLECTION





IT'S GOT SYSTEM.



Individual systems - turnkey from one single source.

For many decades, we have been designing, planning and building plastics recycling plants tailored to individual customer requirements for a wide range of applications worldwide - together with Lindner Washtech, our subsidiary specialist in plastics recycling. Together we offer solutions for robust and powerful primary shredding, sorting, flexible and precise secondary shredding as well as multi-stage and high-performance washing technology with water treatment. The perfect coordination of the four key components - shredding, sorting, washing and drying - is the key to high and consistent quality of the granulate and the cornerstone for successful plastics recycling.

High reliability with superior depth of added value, decades of experience and the many Lindner in-house services:

- Experienced systems engineering team
- In-house electrical and electronic production as well as in-house software development
- Commissioning and training by qualified experts
- Individual fine-tuning on site
- Fast spare parts supply worldwide in 100% Lindner original parts quality
- 24/7 service & maintenance worldwide

THERE'S MORE TO IT.



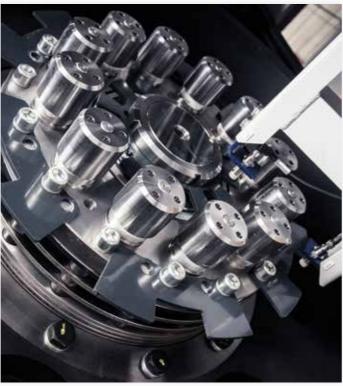
ELECTROMECHANICAL BELT DRIVE

Using an electromechanical belt drive, Lindner has opted for technology that has been tried and tested for decades and does not require any special parts. This means that spare parts are readily available should the need arise. Compared to other systems available on the market, maintenance and repairs can be carried out much more cost-effectively and also very quickly.

MECHANICAL SAFETY CLUTCH

The torque-limiting safety clutch ensures optimal protection of the drive unit thanks to instant mechanical disengagement. The highly precise sensors ensure a controlled machine shutdown and therefore protection for all components.

Flexibly adjustable, the safety clutch can be adapted precisely to the material, preventing false triggering. The machine is restarted normally after the non-shreddables have been removed, without any need for mechanical resetting.





EASY MACHINE ACCESS

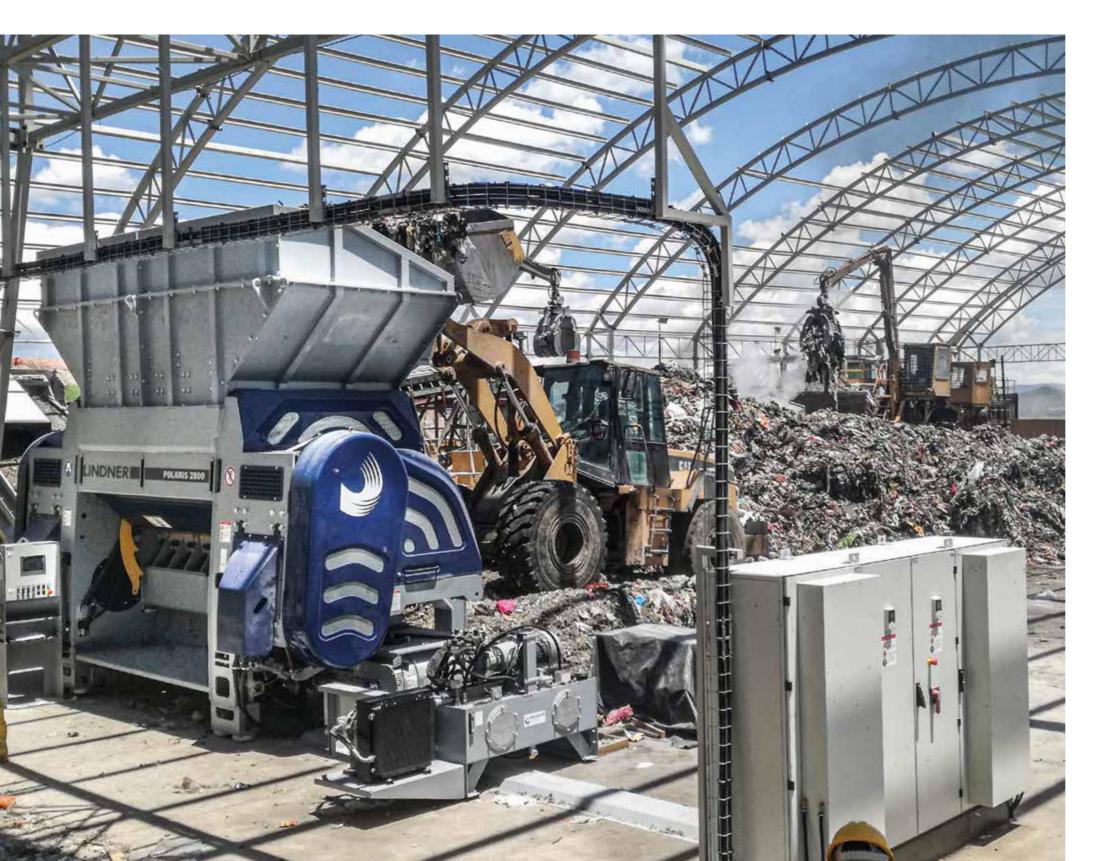
All of Lindner's shredders have two things in common: easy access to the rotor as well as quick and safe access to the screen unit. Thanks to the hydraulically operated, inward-swivelling door for maintenance and non-shreddables removal non-shreddables can be extracted quickly and safely even if the machine is full. Furthermore, the easy access to the rotor makes sure that changing the knives is easy and convenient. The result: maximum availability.

SUPERIOR WELDING QUALITY

Superbly trained employees and investments in state-of-the-art production and automation systems are the key to unparalleled precision and welding quality.



PERFECTLY TUNED.



In-house power electronics included.

Lindner's systems and individual machines perform even under the most extreme conditions – 7 days a week, 365 days a year. The secret - apart from decades of experience – lies in the interplay of three essential areas: shredding technology, power electronics and software. This way, all control parameters as well as the mechanical system, the hydraulics and the electronics are always optimally matched and guarantee the best quality and the longest service life.

All advantages at a glance:

- In-house planning and manufacturing
- Special designs for operation in particularly dusty environments
- Variable speed control thanks to the frequency converter that ensures the optimum operating point
- Low operating costs due to avoidance of power peaks and smooth starts
- High efficiency for low energy consumption



THE RIGHT SOLUTION.

ATLAS 5500 AS JUPITER SERIES KOMET SERIES Primary shredding Primary shredding Granulation ATB FPS FX ATB FPS 🛞 HP Asynchronous two-shaft sys-Single-shaft system with Single-shaft system with tem with solid welded rippers screwed pointed knives, two screwed knife rows, two rows and scraper unit rows of stator knives and of stator knives and defined defined particle sizes thanks particle sizes thanks to round to sickle-shaped or hexagonal hole or hexagonal screens screens Electromechanical belt drive Electromechanical coun-Electromechanical belt drive. tershaft drive and additional with planetary gears and Optional: high-performance (HP) version with an even dynamic energy exchange flywheel energy storage for more powerful drive and ad-(DEX) particularly tough materials ditional rows of knives 22 – 36 rpm 31 – 87 rpm 158 – 367 rpm







Cutting

system:

Drive:

Speed

range:

Particle

sizes:

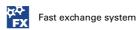






100 - 300 mm

Fire prevention system



10 - 90 mm



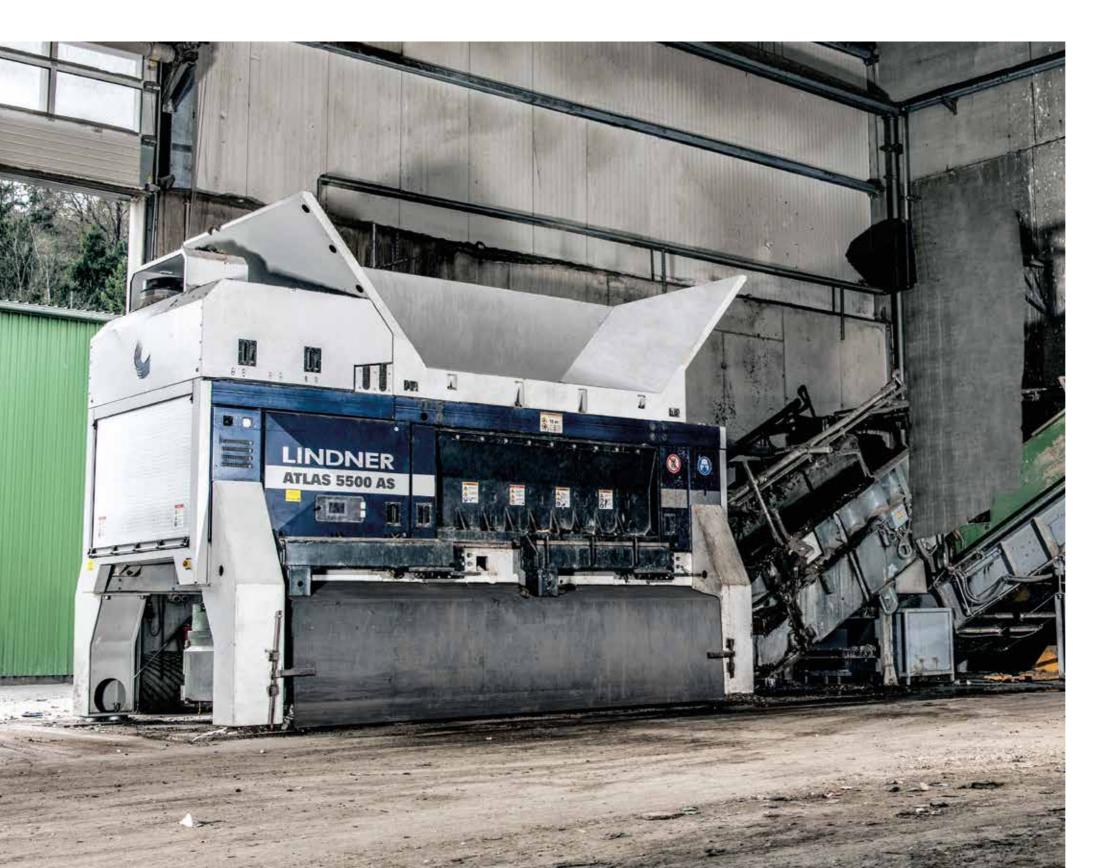




150 - 400 mm

ATLAS 5500 AS

MERCILESSLY EFFICIENT.

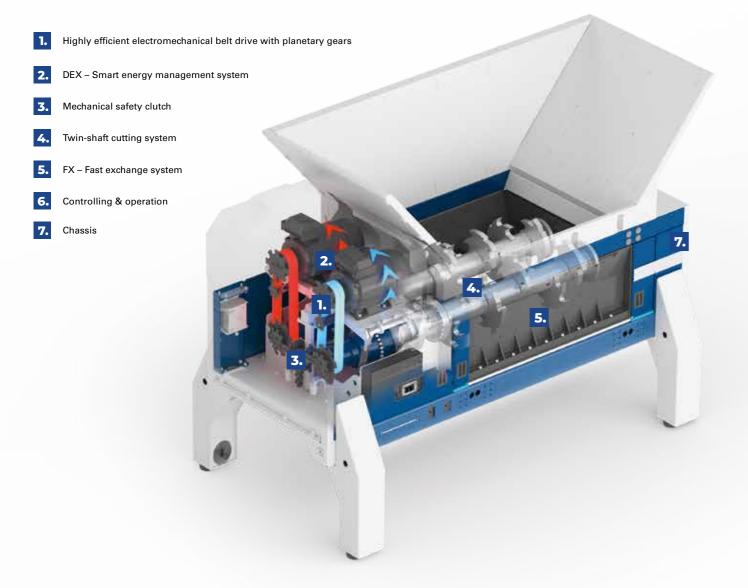


Productivity from start to finish.

Based on the proven belt concept, the Lindner's Atlas 5500 AS twin-shaft primary shredder sets new efficiency standards with its high-performance planetary gears, innovative DEX (Dynamic Energy Exchange) energy recovery system and asynchronous shaft control. Delivering consistently high throughput, built for tough applications and equipped with the innovative FX fast exchange system, this shredder provides maximum uptimes and can be relied on to keep the line going.

- Asynchronous ripper rotor principle for continuous material output in both directions of rotation
- Highest energy efficiency thanks to DEX Dynamic Energy Exchange
- Ideal particles for downstream sorting processes
- Maximum resistance to non-shreddables
- High operational availability due to extra-long uptimes and the quick exchange of the complete cutting unit (FX)
- Optional: drive unit with convenience & maintenance functions

ASYNCHRONOUS TWIN-SHAFT CUTTING SYSTEM WITH DYNAMIC ENERGY EXCHANGE SYSTEM (DEX)















ASYNCHRONOUS TWIN-SHAFT CUTTING SYSTEM

The cutting system of the Atlas AS consists of two asynchronously running, fully welded rotors and a solid scraper unit. The asynchronous ripping (ripping apart, ripping up) at low speeds and high torque combined with the dynamic energy recovery enables:

- Aggressive material intake
- Continuous volume flow
- Highest productivity
- Ideal output material for sorting

DRIVE UNIT WITH CONVENIENCE & MAINTENANCE FUNCTIONS (OPTIONAL)

Lindner's ATB – automatic belt tensioning system:

- Ensures optimum power transmission at all times
- Belt exchange using a hydraulic tensioning device
- Self and preventive monitoring

Compressed air ventilation drive unit:

- Protects the drive unit from dirt
- Significantly reduced maintenance activities
- With radial fan and self-cleaning function

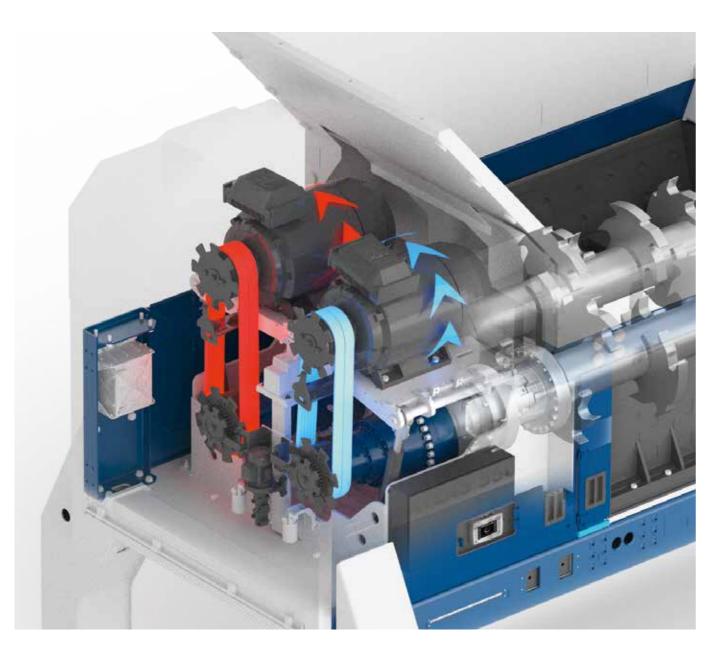


ATLAS 5500 AS

LINDNER'S DEX - DYNAMIC ENERGY EXCHANGE SYSTEM - FOR MAXIMUM EFFICIENCY

Maximum efficiency is achieved by actively using braking energy when reversing one of the shafts. Top productivity is ensured with an instant, power electronics-controlled reversal of the shaft running direction. It can be used anywhere thanks to the ingeniously simple combination of tried-and-tested components.

- Innovative, load-dependent energy management
- Highest energy efficiency in operation
- Maximum agility while changing the running direction, up to 3 times faster

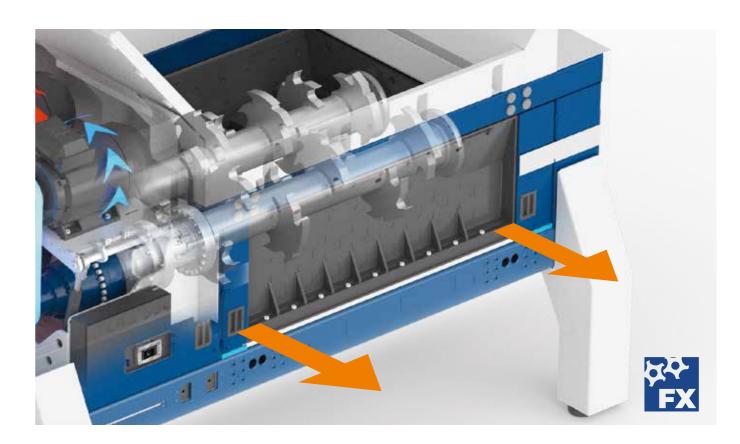


OUR UNIQUE FAST EXCHANGE SYSTEM (FX)

The Atlas series has been perfected to give you easy access to the cutting unit and provides two options for removing or changing the entire cutting unit or individual components. The components can be removed from the side via the hydraulically operated, swivelling slider or, after removal of the hopper, from the top.



- The cutting unit can be exchanged quickly, ensuring minimum downtime
- The two quick-change options guarantee maximum flexibility
- Easy and fast removal of the hopper







THE ATLAS SERIES SOLID TWIN-SHAFT **CUTTING SYSTEM**

- Solid twin-shaft cutting system
- Aggressive material intake for highest throughputs optimised for defined output material in the primary shredding stage
- Customised shaft tools for different applications
- Solidly built scraper unit



Typical input/output materials









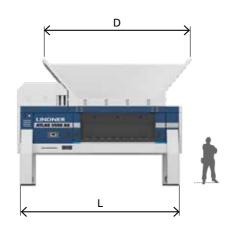
Hardfacing kit (Shafts & frame)

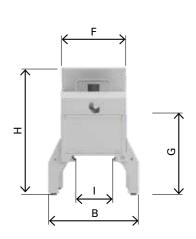


Fire prevention system



Fast exchange system



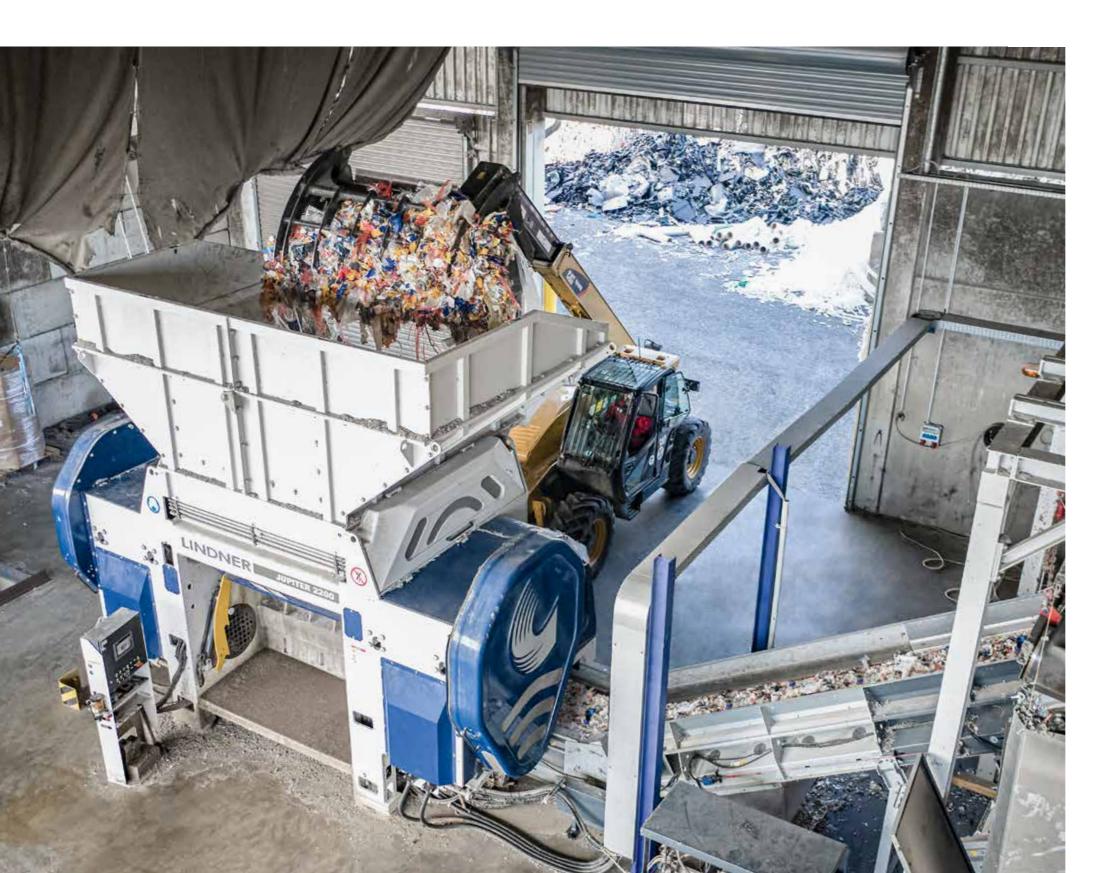


ATLAS		5500 AS
DIMENSIONS*		
Measure (LxWxH)	mm	6150 x 3390 x 4810
Hopper opening (DxF)	mm	5470 x 2230
Feeding height (G)	mm	3310
Hopper capacity	m³	18
Outlet width (I)	mm	1510
Total weight	kg	35000
CUTTING UNIT*		
Length	mm	2 x 2380
Speed	min ⁻¹	36
Standard tool		AS 4.8 AS 4.12.
DRIVE UNIT*		
Motor	kW	2 x 110
Frequency converter		•

^{*}The stated values refer to standard machine versions with a standard hopper (large) and raised feet.

JUPITER 1800 | 2200 | 3200 | 2200 HP

PRIMARY SHREDDING AT ITS BEST.

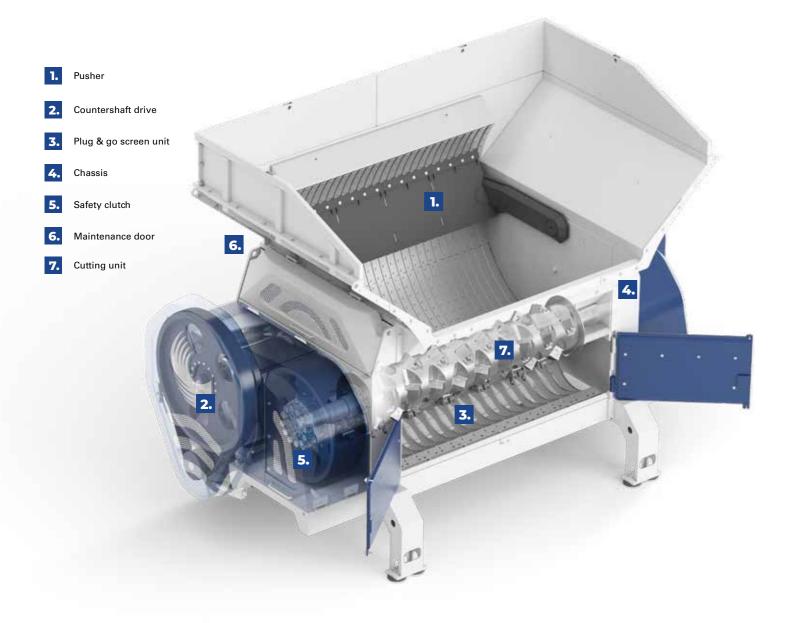


Gets the process going: Reliably high output and consistent particle sizes.

The Lindner Jupiter single-shaft primary shredder combines everything you need for efficient 24/7 operation: a powerful countershaft drive, a well-engineered machine design and high manufacturing quality. Undefeated by non-shreddables, our tried-and-tested technology ensures a long service life and low maintenance coupled with the necessary power to shred even the toughest materials – year after year and ton after ton.

- Particularly resistant to non-shreddables
- Additional flywheel mass for very tough materials
- Consistently high throughputs thanks to precise cutting action
- Four-fold usable rotor knives

SINGLE-SHAFT PRIMARY SHREDDER WITH POWERFUL COUNTERSHAFT DRIVE FOR 24/7 OPERATION















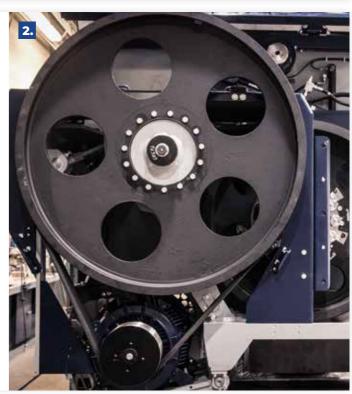
SINGLE-SHAFT CUTTING SYSTEM WITH FOUR-FOLD USEABLE POINTED KNIVES

- Solidly built knives and knife holders particularly resistant to non-shreddables
- Maximum availability, as knives can be changed quickly
- Easily adjustable cutting gap for optimum output quality

COUNTERSHAFT DRIVE WITH FLYWHEEL ENERGY STORAGE

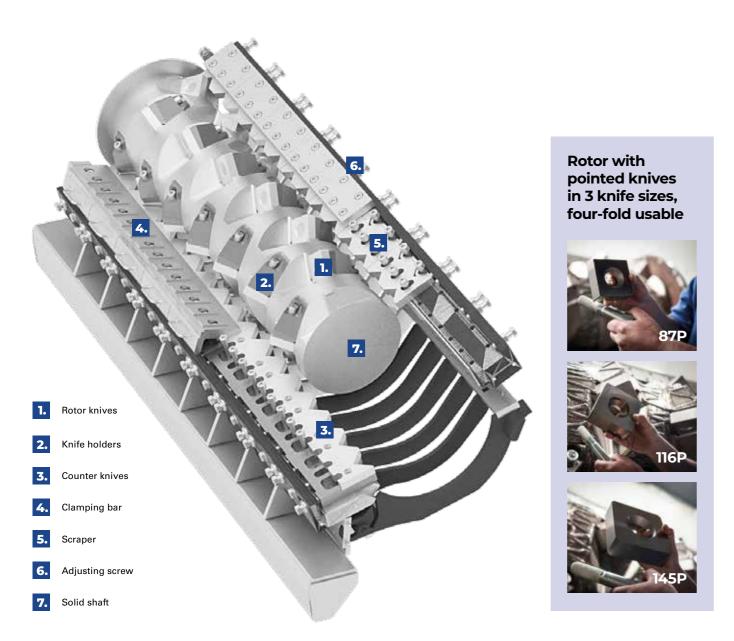
Less energy consumption and more power thanks to the countershaft drive that stores and releases rotational energy depending on the load.

- Highest energy efficiency
- Consistently high throughput even with tough materials
- Spare parts obtainable worldwide
- Also available as a HP model (high performance model) for even more power and throughput



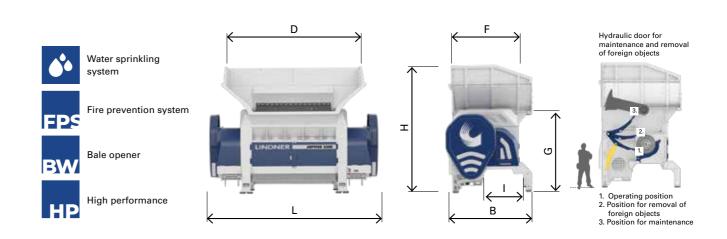
JUPITER 1800 | 2200 | 3200 | 2200 HP

THE JUPITER SERIES CUTTING SYSTEM



Typical input/output materials





JUPITER		1800			2200	2200 3200			3200			2200 HP		
DIMENSIONS*														
Measure (LxBxH)	mm	4800 x	3270 x 48	340	5500 x	5500 x 3270 x 4840			3270 x 4	340	5500 x	5500 x 3270 x 4840		
Hopper opening (DxF)	mm	3750 x	3000		4090 x	4090 x 3000			5150 x 3000			4090 x 3000		
Filling height (G)	mm	3105			3105			3105			3105			
Hopper volume	m³	7,5			9			12			9			
Outlet width (I)	mm	1020			1020			1020			1020			
Total weight	kg	25800	25800					39000	39000			33750		
CUTTING UNIT*														
Rotor length	mm	1770			2115			3170			2115			
Rotor speed	min ⁻¹	58/87	58/87			51/87			58/87			58/87		
Pointed knives	mm	145P	116P	87P	145P	116P	87P	145P	116P	87P	145P	116P	87P	
Number of knives	pcs.	20	22	41	24	28	50	36	42	77	24	28	50	
Screens: hexagonal/sickle-shaped		~			~			~			~			
Number of screens	pcs.	4/1			4/1			6/1			4/1			
DRIVE UNIT*														
Motor	kW	1 x 200			2 x 132			2 x 160			2 x 200			
Frequency converter		~			~			~			~			

^{*}The stated values refer to standard machine versions with a standard hopper and raised feet. The right to make technical changes is reserved.

KOMET 1800 | 2200 | 2800 | 2200 HP | 2800 HP

IMPOSSIBLY RELIABLE & INCREDIBLY PRECISE.

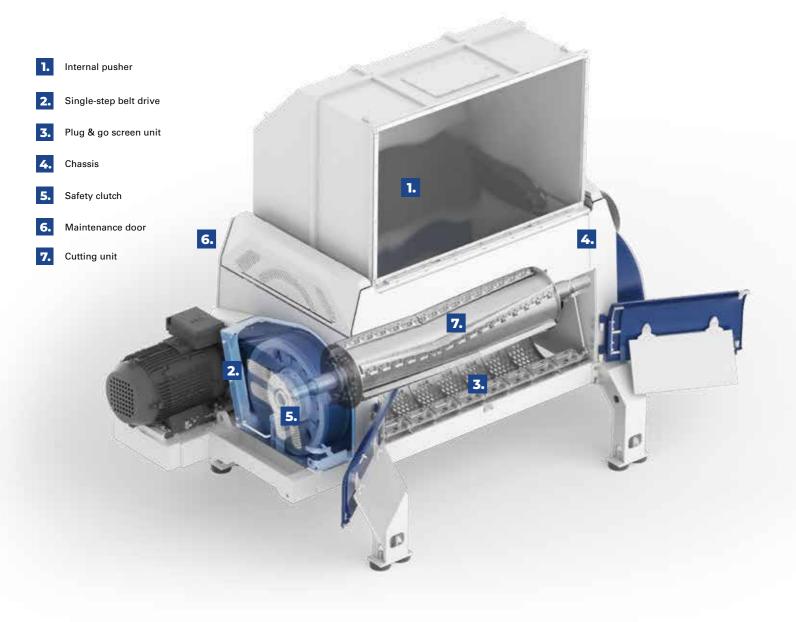


Precision that's a cut above the rest.

The Lindner Komet sets new standards in single-shaft shredding. Whether you are processing municipal or bulky refuse, industrial or commercial waste, textiles, waste paper or other materials – the Komet ensures smooth processes 24/7 thanks to its robust design, highprecision tools and smart features. Benefit from its firstrate particle quality and superb efficiency.

- The benchmark in secondary shredding
- 24/7 reliability
- Highest precision cutting for outstanding output quality
- HP (high performance) version for even more throughput
- Optional: Drive unit with convenience & maintenance

HIGHLY PRECISE SINGLE-SHAFT SECONDARY SHREDDER FOR POWERFUL NON-STOP OPERATION















PRECISE ROTOR WITH SQUARE KNIVES

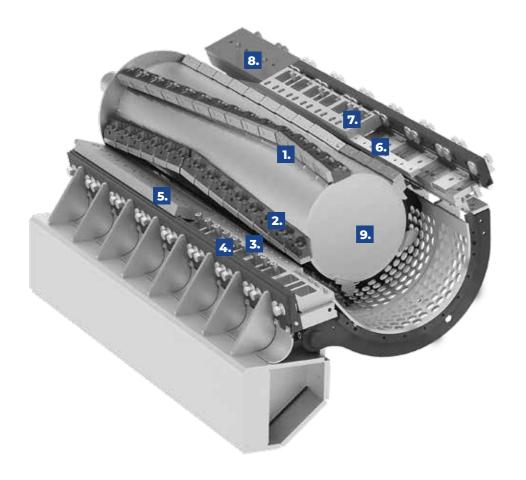
- High throughputs guaranteed thanks to the strategically positioned knife rows
- Consistent particle size with a cutting gap that is fully adjustable even during operation
- Optimised wear parts storage thanks to identical knives for the rotor, counter knives and scraper
- Maximum uptimes ensured by four-fold usable, quick-change knives

TRIED-AND-TESTED BELT DRIVE

- Efficient, robust and gearless belt drive
- Worldwide availability of easy-to-change standard components
- Mechanical safety clutch for maximum resistance to non-shreddables
- HP (high performance) option for even higher productivity
- Optional: Comfort function for automatic belt tensioning



THE KOMET SERIES CUTTING SYSTEM



knives – four-fold usable

- 1. Rotor knives
- 3. Counter knives
- 4. Counter knife slider

Rotor with square







5. Clamping bar

6. Scraper

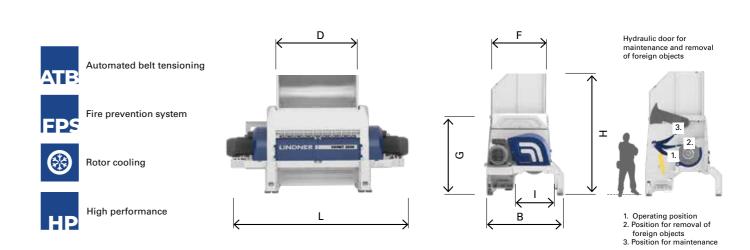
7. Scraper slider

8. Clamping bar

9. Solid shaft

Typical input/output materials





KOMET	DMET 1800		2200	2800	2200 HP	2800 HP	
DIMENSIONS*							
Measure (LxBxH)	mm	4915 x 2925 x 4840	5755 x 2925 x 4840	6445 x 2925 x 4840	5815 x 2925 x 4840	6700 x 2925 x 4840	
Hopper opening (DxF)	mm	1790 x 2030	2135 x 2030	2825 x 2030	2135 x 2030	2825 x 2030	
Filling height (G)	mm	3111	3111	3111	3111	3111	
Hopper volume	m³	3,3	4	5,3	4	5,3	
Outlet width (I)	mm	960	960	960	960	960	
Total weight	kg	19600	23300	27500	24000	29900	
CUTTING UNIT*							
Rotor length	mm	1770	2115	2805	2115	2805	
Rotor speed	min ⁻¹	355	355	355	355	367	
Standard: Blade knives		172R	172R	172R	172R	172R	
Number of knives	pcs.	50	60	80	84	112	
Screens: hexagonal / round		~	~	~	~	~	
Number of screens	pcs.	5	6	8	6	8	
DRIVE UNIT*							
1-step belt drive		~	~	~	~	~	
Motor	kW	1 x 200	2 x 132	2 x 160	2 x 200	2 x 250	
Frequency converter		✓	~	~	~	~	

^{*}The stated values refer to standard machine versions with a standard hopper and raised feet. The right to make technical changes is reserved.

MICROMAT 1500 | 2000 | 2500 | 1500 HP | 2000 HP | 2500 HP

GETS ME MORE.

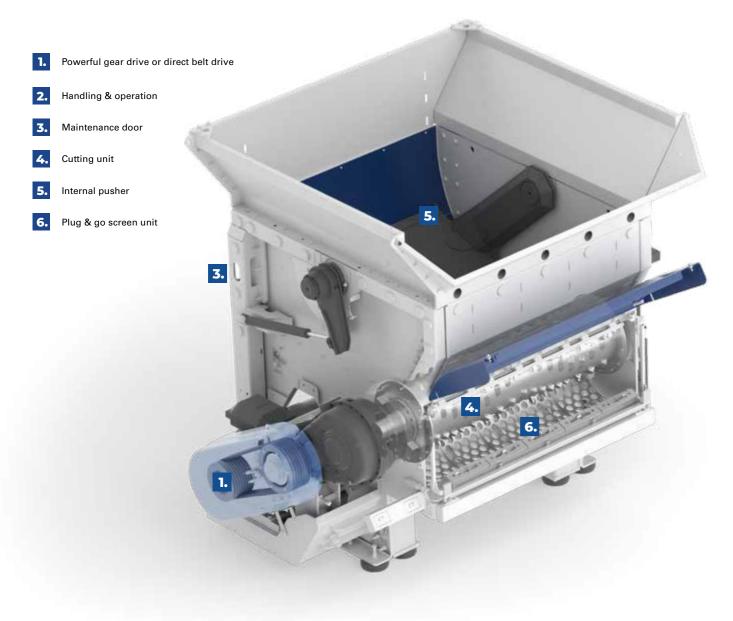


This is what gives foils the rest: Totally special, for maximum quality.

The single-shaft shredder in combination with its powerful gear or direct belt drive and its unique Mono-Fix technology make the Micromat series the benchmark for shredding post-consumer or industrial waste. The Lindner Mono-Fix system allows knives and knife holders to be changed with just a single screw. Different pointed and flat knives as well as blind plates and special counter-knives can be used on the same rotor body - so the cutting system can be easily and effortlessly adapted to different input materials, which in turn has a positive effect on quality and throughput.

- Robust construction, easy maintenance, operation and feeding
- Mono-Fix technology enables maximum adaptation to the input material and granulate size
- Flexible adjustment of the cutting unit enables consistently high throughput even for tough materials
- Also available in an HP (high performance) version for even greater throughput

SINGLE-SHAFT UNIVERSAL SHREDDER WITH POWERFUL DRIVE AND MONO-FIX TECHNOLOGY



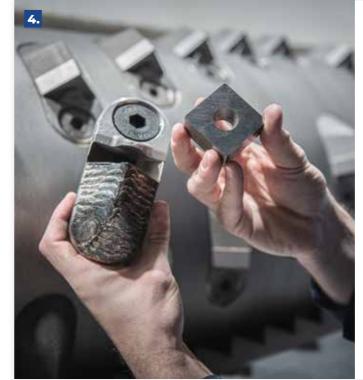












MONO-FIX TECHNOLOGY

The Mono-Fix system allows knives and knife holders to be changed with just one screw. Different pointed and flat knives, as well as blind plates and special counter knives, can also be attached to the rotor in a combined way. The result:

- Maximum flexibility of the cutting unit
- Maximum adaptation to input and particle size

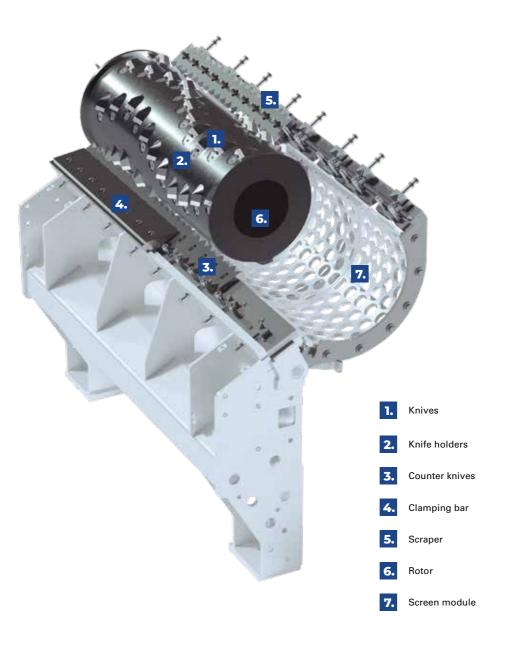
POWERFUL DRIVE SYSTEMS

Optionally powerful gear drive with high-performance and proven motors for optimum shredding of, for example, dimensionally stable plastics, fibers, nets or big bags - or as direct belt drive (HP) for maximum throughputs when shredding, for example, post consumer films.



MICROMAT 1500 | 2000 | 2500 | 1500 HP | 2000 HP | 2500 HP

THE MICROMAT SERIES CUTTING SYSTEM

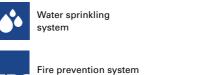




* Mono-Fix technology

Typical input/output materials







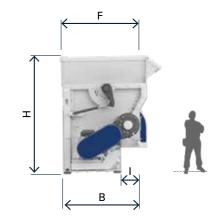


Rotor cooling



High performance





maintenance and removal of foreign objects



- Operating position
 Position for removal of foreign objects
 Position for maintenance

	1500	2000	2500	1500 HP	2000 HP	2500 HP
mm	3738 x 2478 x 3380	4217 x 2478 x 3380	4717 x 2478 x 3380	4519 x 2633 x 3380	5019 x 2633 x 3380	5519 x 2633 x 3380
mm	2290 x 2405	2790 x 2405	3290 x 2405	2290 x 2405	2790 x 2405	3290 x 2405
mm	2594	2594	2594	2594	2594	2594
m³	3,4	4,5	5,6	3,4	4,5	5,6
mm	1725	2225	2725	1725	2225	2725
kg	11700	13700	15700	12000	14000	16000
mm	1525	2025	2525	1525	2025	2525
min ⁻¹	63 – 134	63 – 134	63 – 134	265	265	265
pcs.	77	104	131	77	104	131
pcs.	50	68	86	50	68	86
pcs.	3	4	5	3	4	5
kW	1 x 90	1 x 132	1 x 160	1 x 110	1 x 132	1 x 160
	mm m³ mm kg mm min-1 pcs. pcs.	mm 3738 x 2478 x 3380 mm 2290 x 2405 mm 2594 m³ 3,4 mm 1725 kg 11700 mm 1525 min¹ 63 – 134 pcs. 77 pcs. 50 pcs. 3	mm 3738 x 2478 x 3380 4217 x 2478 x 3380 mm 2290 x 2405 2790 x 2405 mm 2594 2594 m³ 3,4 4,5 mm 1725 2225 kg 11700 13700 mm 1525 2025 min¹ 63 – 134 63 – 134 pcs. 77 104 pcs. 50 68 pcs. 3 4	mm 3738 x 2478 x 3380 4217 x 2478 x 3380 4717 x 2478 x 3380 mm 2290 x 2405 2790 x 2405 3290 x 2405 mm 2594 2594 2594 m³ 3,4 4,5 5,6 mm 1725 2225 2725 kg 11700 13700 15700 mm 1525 2025 2525 min⁻¹ 63 – 134 63 – 134 63 – 134 pcs. 77 104 131 pcs. 50 68 86 pcs. 3 4 5	mm 3738 x 2478 x 3380 4217 x 2478 x 3380 4717 x 2478 x 3380 4519 x 2633 x 3380 mm 2290 x 2405 2790 x 2405 3290 x 2405 2290 x 2405 mm 2594 2594 2594 2594 m³ 3,4 4,5 5,6 3,4 mm 1725 2225 2725 1725 kg 11700 13700 15700 12000 mm 1525 2025 2525 1525 min¹ 63 – 134 63 – 134 63 – 134 265 pcs. 77 104 131 77 pcs. 50 68 86 50 pcs. 3 4 5 3	mm 3738 x 2478 x 3380 4217 x 2478 x 3380 4717 x 2478 x 3380 4519 x 2633 x 3380 5019 x 2633 x 3380 mm 2290 x 2405 2790 x 2405 3290 x 2405 2290 x 2405 2790 x 2405 mm 2594 2594 2594 2594 2594 m³ 3,4 4,5 5,6 3,4 4,5 mm 1725 2225 2725 1725 2225 kg 11700 13700 15700 12000 14000 mm 1525 2025 2525 1525 2025 min¹¹ 63 - 134 63 - 134 63 - 134 265 265 pcs. 77 104 131 77 104 pcs. 50 68 86 50 68 pcs. 3 4 4 4

^{*}The stated values refer to standard machine versions with a standard hopper and raised feet. The right to make technical changes is reserved.

^{**} Variable rotor speeds require optional electronic motor speed control system and gear configuration.

ANTARES 1300 | 1600 | 1900

NEVER LOSES OUT.



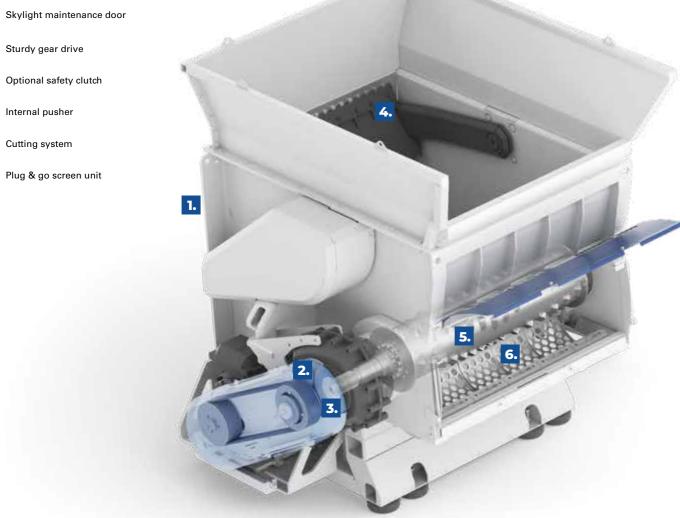
Effective technology in compact design.

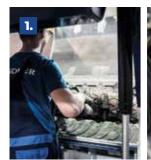
The Antares series will win you over with its robust design, convenient maintenance access and powerful performance – all the advantages of a Lindner shredder wrapped up in a compact machine. At the same time, the extensive range of sizes makes it possible to perfectly adapt the shredders to your downstream process. And all this with a smooth production flow and consistently defined particles.

- Robust and powerful asynchronous motor
- Cutting unit with pointed knives to ideally adapt to the material and particle size
- Easy machine access for quick and easy maintenance
- Mono-Fix technology for maximum flexibility and adaptation to input material and grain size

SINGLE-SHAFT UNIVERSAL SHREDDER WITH ROUBST AND PROVEN GEAR DRIVE

- 1. Skylight maintenance door
- Sturdy gear drive
- Optional safety clutch















FLEXIBLE CUTTING SYSTEM

The Antares' individually configurable square cutting system ensures maximum output while taking up minimum floor space. The cutting system is designed with various applications in mind, ensuring efficient shredding of a wide range of materials.

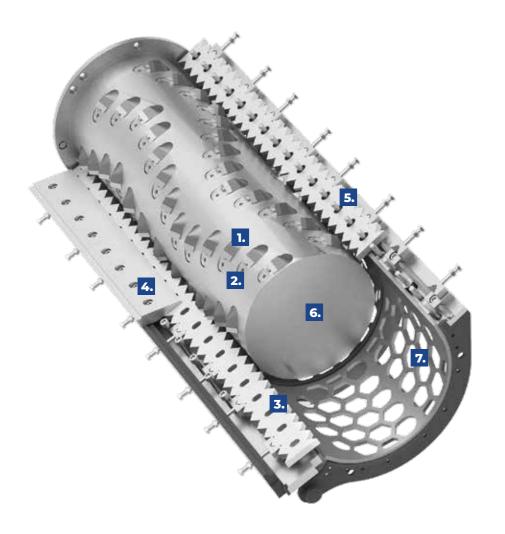
- Optimum output thanks to knife configurations that can be individually adapted to the requirement
- Knives can be changed quickly and easily
- Constant grain is guaranteed by the variably adjustable cutting gap

ROBUST GEAR DRIVE

- Powerful shredding due to powerful motors with high torque
- Individual adaptation to the material through variable speeds
- Worldwide availability of the easy-to-change standard components



THE ANTARES SERIES CUTTING UNIT



- 1. Knives
- 2. Knife holders
- 3. Counter knives
- 4. Clamping bar
- 5. Scraper
- **6.** Rotor
- 7. Screen module



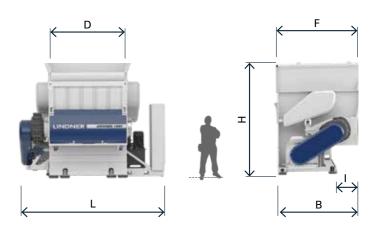
Water sprinkling system



Fire prevention system



Rotor cooling



	1300				1600				1900			
mm	3084 x	2628 x	2998		3393 x	2628 x	2998		3701 x	2628 x	2998	
mm	1668 x	2486			1977 x	2486			3290 x	2486		
mm	2425				2425				2425			
m³	2,5				3,1				3,7			
mm	1305				1605				1915			
kg	7200				8000				8800			
mm	1258				1567				1875			
min ⁻¹	62 – 13	30			62 – 13	30			100 –	130		
	43P	43PX	65P		43P	43PX	65P		43P	43PX	65P	
Stk.	48	56	32	32	60	70	40	40	72	84	48	48
Stk.	4				5				6			
	~				~				~			
kW	1 x 75				1 x 90				1 x 90			
	mm mm m³ mm kg mm stk. Stk.	mm 1668 x mm 2425 m³ 2,5 mm 1305 kg 7200 mm 1258 min¹ 62 - 13 43P Stk. 48 Stk. 4	mm 3084 x 2628 x mm 1668 x 2486 mm 2425 m³ 2,5 mm 1305 kg 7200 mm 1258 min¹ 62 - 130 43P 43PX Stk. 48 56 Stk. 4	mm 3084 x 2628 x 2998 mm 1668 x 2486 mm 2425 m³ 2,5 mm 1305 kg 7200 mm 1258 min¹ 62 - 130 43P 43PX 65P Stk. 48 56 32 Stk. 4	mm 3084 x 2628 x 2998 mm 1668 x 2486 mm 2425 m³ 2,5 mm 1305 kg 7200 mm 1258 min¹ 62 - 130 43P 43PX 65P Stk. 48 56 32 32 Stk. 4	mm 3084 x 2628 x 2998 3393 x mm 1668 x 2486 1977 x mm 2425 2425 m³ 2,5 3,1 mm 1305 1605 kg 7200 8000 mm 1258 1567 min¹ 62 - 130 62 - 130 62 - 130 5tk. 48 56 32 32 60 5tk.	mm 3084 x 2628 x 2998 3393 x 2628 x mm 1668 x 2486 1977 x 2486 mm 2425 2425 3,1 mm 1305 1605 kg 7200 8000 mm 1258 1567 min ⁻¹ 62 - 130 62 - 130 62 - 130 Stk. 48 56 32 32 60 70 Stk.	mm 3084 × 2628 × 2998 3393 × 2628 × 2998 mm 1668 × 2486 1977 × 2486 mm 2425 2425 m³ 2,5 3,1 mm 1305 1605 kg 7200 8000 mm 1258 1567 min¹ 62 − 130 62 − 130 43P 43PX 65P 43P 43PX 65P Stk. 48 56 32 32 60 70 40 Stk. 4	mm 3084 x 2628 x 2998 3393 x 2628 x 2998 mm 1668 x 2486 1977 x 2486 mm 2425 2425 m³ 2,5 3,1 mm 1305 1605 kg 7200 8000 mm 1258 1567 min¹ 62 - 130 62 - 130 43P 43PX 65P 43P 43PX 65P Stk. 48 56 32 32 60 70 40 40 Stk. 4	mm 3084 × 2628 × 2998 3393 × 2628 × 2998 3701 × mm 1668 × 2486 1977 × 2486 3290 × mm 2425 2425 2425 2425 3,1 3,7 mm 1305 1605 1915 kg 7200 8000 8800 8800 mm 1258 1567 1875 min ⁻¹ 62 - 130 62 - 130 100 - 243P 43PX 65P 43P 3P 3	mm 3084 × 2628 × 2998 3393 × 2628 × 2998 3701 × 2628 × 286 mm 1668 × 2486 1977 × 2486 3290 × 2486 mm 2425 2425 2425 m³ 2,5 3,1 3,7 mm 1305 1605 1915 kg 7200 8000 8800 mm 1258 1567 1875 min¹ 62 - 130 62 - 130 100 - 130 43P 43PX 65P 43P 43PX 65P 43P 43PX Stk. 48 56 32 32 60 70 40 40 72 84 Stk. 4 5 6	mm 3084 × 2628 × 2998 3393 × 2628 × 2998 3701 × 2628 × 2998 mm 1668 × 2486 1977 × 2486 3290 × 2486 mm 2425 2425 2425 m³ 2,5 3,1 3,7 mm 1305 1605 1915 kg 7200 8000 8800 mm 1258 1567 1875 min⁻¹ 62 − 13∪ 62 − 13∪ 100 − 13∪ 43P 43PX 65P 43P 43PX 65P 43P 43PX 65P Stk. 48 56 32 32 60 70 40 40 72 84 48 Stk. 4 5 5 6

^{*}The stated values refer to standard machine versions with a standard hopper and raised feet. The right to make technical changes is reserved.

Typical input/output materials



SERVICE FOCUS.



Lindner's service – simply offering more.

Commitment and professionalism coupled with extensive expertise and original Lindner spare parts made in Austria ensure top quality service and highest machine availability. Individual service solutions mean maximum flexibility and the least downtimes - any day, every day.

Service à la Lindner:

- Available 24/7 worldwide
- Remote assistance fast help with remote maintenance
- High availability of spare parts thanks to extensive in-house production
- Original Lindner spare parts made in Austria for that extra level of quality

Maintenance - to keep everything running smoothly:

- Flexible maintenance offers for high machine availability
- Spare part packages for every application
- Qualified shaft reconditioning & hardfacing in line with the highest international standards