

# MICROMAT

Single Shaft Universal Shredder

The individual machine  
for individual challenges.



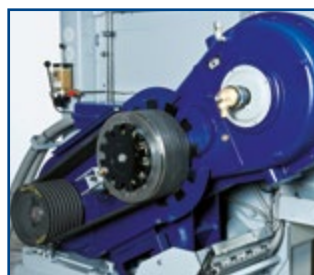
# Every challenge is different. Every MICROMAT too.

The MICROMAT is the answer to various different requirements. The compact class machine opens a wide spectrum of freely configurable drive versions, cutting systems and screen sizes. 120 different designs are possible with the Lindner modular system. This way, adaptation to almost any input material will be successful. Proven components, perfectly combined for deployment in volume reduction or for processing of different types of waste for thermal or resource recycling.

- Low energy consumption at high productivity
- Robust and non-sensitive to foreign parts for high operational safety
- Many different cutting- and screen-systems for defined output sizes
- Simple handling and maintenance

**Your head start with Lindner:**

**High quality shredding – low production cost per ton.**



**The rotors:  
The material decides.**

- **Pointed knife rotor:** Precise cut, high throughput
- **Step knife rotor:** Energy saving at controlled feeder performance
- **Both types** available with many different knife-sizes and -shapes
- **Continuously adjustable cutting gap** for optimal output quality



**The machine technology:  
Power as required.**

- **Gearbox drive** suitable for most standard applications
- Or powerful **belt drive** for high throughput and small grain sizes
- **Safety clutch** as standard
- **Maintenance-friendly** with worldwide available standard components



## Handling & Maintenance: Consequently simple.

- **Intelligent control** for optimal handling comfort
- Patented hydraulic swivel mounted **screen system**
- Patented hydraulic **maintenance flap** for comfortable access to the rotor
- Maintenance free **hydraulic pusher system**



## Many options: Prepared for everything.

- **Rotor cooling** for heat-sensitive materials
- **Rotor wear protection** for contaminated or abrasive materials
- **Special screens** to minimize fines and streaking, also for optimal preparation for subsequent processes

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*The ART of innovative SHREDDING!*

Single Shaft Universal Shredder  
**MICROMAT 2000 2500**

Slow-running shredder for efficient shredding of domestic and bulk waste, commercial and industrial waste, mixed construction site waste, wood and straw, plastics of all kind, foils, paper, rubber, textiles, electronic scrap, cables etc.

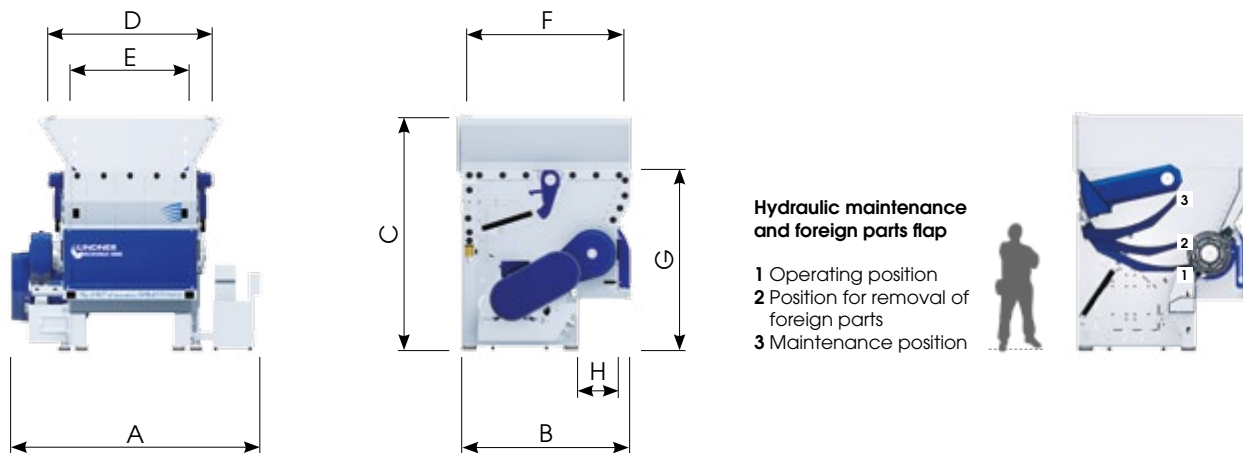


Throughput capacity up to 12 t/h.  
 Screens for output sizes of approx. 15 to 100 mm.

## Technical Data

Dimensions and weight	MICROMAT 2000 Gearbox Drive	MICROMAT 2000 Belt Drive	MICROMAT 2500 Gearbox Drive	MICROMAT 2500 Belt Drive
Intake opening	2790 x 2405 mm	2790 x 2405 mm	3290 x 2405 mm	3290 x 2405 mm
Cutting chamber volume	4,5 m <sup>3</sup>	4,5 m <sup>3</sup>	5,6 m <sup>3</sup>	5,6 m <sup>3</sup>
Total weight	13,5 t	14 t	15,5 t	16 t
<b>Cutting unit</b>				
Rotor length	2025 mm	2025 mm	2525 mm	2525 mm
Rotor knives	104 pcs	104 pcs	128 pcs	128 pcs
<b>Drive system</b>				
Drive power	1 x 110 kW	1 x 132 kW	1 x 132 kW	1 x 160 kW
Rotor speed	79 rpm	265 rpm	79 rpm	265 rpm

Data refer to standard version, possible deviations due to variations.



## Dimensions

in mm	A	B	C	D	E	F	G	H
<b>MICROMAT 2000 GB</b>	4217	2478	3380	2790	2025	2405	2664	680
<b>MICROMAT 2000 BD</b>	5019	2633	3380	2790	2025	2405	2664	680
<b>MICROMAT 2500 GB</b>	4717	2478	3380	3290	2525	2405	2664	680
<b>MICROMAT 2500 BD</b>	5519	2633	3380	3290	2525	2405	2664	680

GB = Gearbox drive, BD = Belt drive



Update: April 2014. Technical changes, misprints and errors reserved. All images are sample pictures. All specifications are approximate.