

# UNIVERSO

Single Shaft Universal Shredder

Your challenge,  
our solution.



# Robust multi-talent that copes with any of your materials.

Whether it is waste for incineration or recycling material: The UNIVERSO single shaft universal shredder is configurable in many different ways, a match for the most difficult requirements and generates high throughput rates in continuous operation.

- Robust and non-sensitive to foreign parts for high operational safety
- Many different cutting- and screen-systems for defined output sizes
- Low-maintenance gearbox drive with standard components
- Simple handling and maintenance
- Lindner intelligent modular design for exact adaptation to your requirements

**Your head start with Lindner:**

**High quality – robust and reliable design.**



**The rotors:**  
Full power, full variety.

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



**The machine technology:**  
Robust & efficient.

- **Gearbox drive** suitable for most standard applications
- Maintenance free hydraulic **pusher system**
- **Safety clutch** as standard
- **Maintenance-friendly** with worldwide available standard components



## Handling & maintenance: Consequently simple.

- **Intelligent control** for optimal handling comfort
- **Programmable** for many different materials
- Patented hydraulic swivel mounted **screen system**
- Patented hydraulic **maintenance flap** for comfortable access to rotor



## 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  
**UNIVERSO 2200 2800**

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

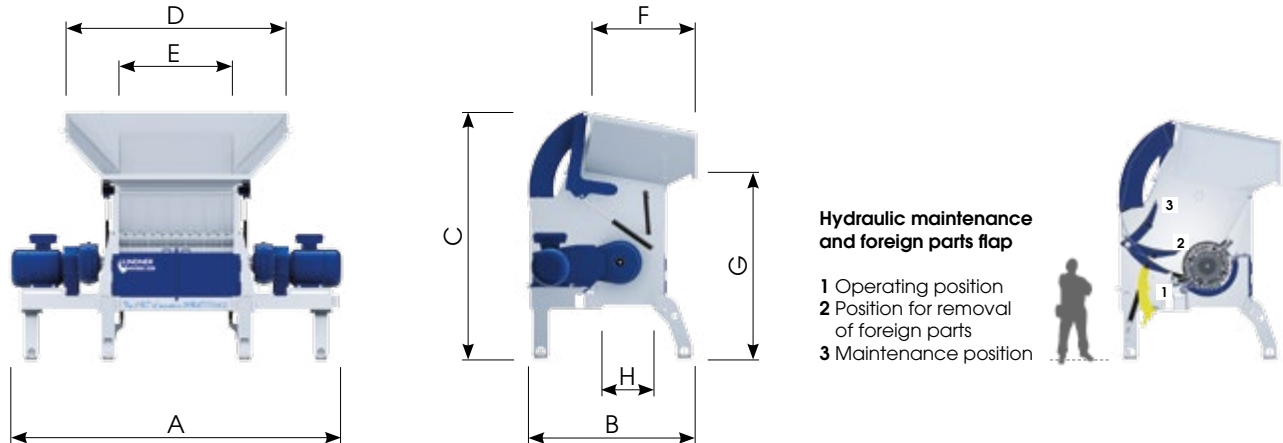


Throughput capacity up to 60 t/h.  
 Screens for output sizes of approx. 20 to 600 mm.

## Technical Data

Dimensions and weight	UNIVERSO 2200 Single Drive	UNIVERSO 2200 Double Drive	UNIVERSO 2800 Double Drive
Intake opening	3985 x 1600 mm	3985 x 1600 mm	4675 x 1600 mm
Cutting chamber volume	3,7 m <sup>3</sup>	3,7 m <sup>3</sup>	5 m <sup>3</sup>
Total weight	18 t	21 t	27,2 t
<b>Cutting unit</b>			
Rotor length	2115 mm	2115 mm	2805 mm
Rotor knives	138 pcs	138 pcs	186 pcs
<b>Drive system</b>			
Drive power	1 x 132 kW	2 x 110 kW	2 x 110 kW
Rotor speed	80 rpm	80 rpm	80 rpm

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



## Dimensions

in mm	A	B	C	D	E	F	G	H
<b>UNIVERSO 2200</b>	6000	2900	3950	3985	2135	1600	2960	840
<b>UNIVERSO 2200</b>	6200	2900	3950	3985	2135	1600	2960	840
<b>UNIVERSO 2800</b>	7000	2900	3950	4675	2825	1600	2960	840



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