

Some things just can't be improved.  
We do it anyway. Lindner reSource America.

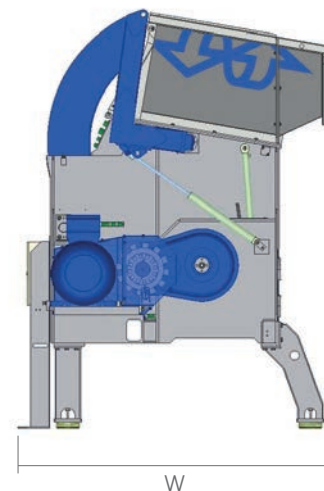
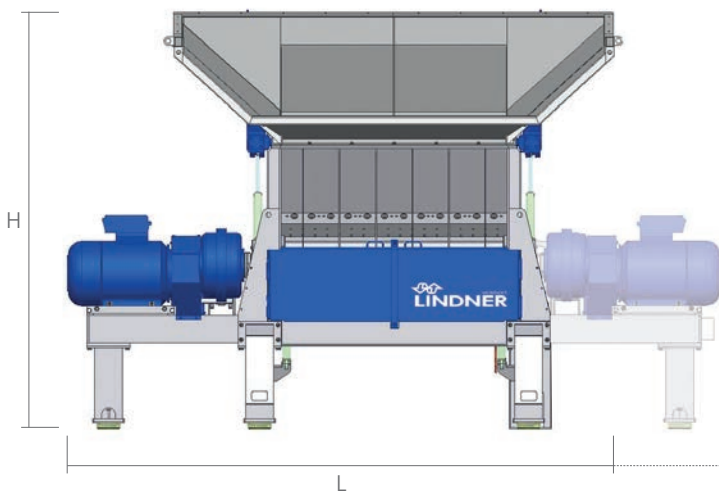
To make the best machines even better, we are constantly developing and improving our shredding technologies. Our engineering competence and our ultra-modern serial production enable us to develop path-forging solutions like the Apollo series. Our technical service also guarantees the highest safety standards. And all with one goal in mind: boosting your productivity.



### Universo series. Technical data.

Model	Rotor diameter (in)	Rotor length (in)	Blade sizes (in)	Motor power (hp)	Machine dimensions L x W x H (in)	Feed opening material L x W (in)	Weight (lb) approx.
Universo 2200 Single drive	29	82	1.7 x 1.7; 2.5 x 2.5 3.3 x 3.3; 4.5 x 4.5 5.7 x 5.7	1 x 150 1 x 180 1 x 218	234 x 113 x 154	83 x 59 (83 x 84)*	39,690
Universo 2200 Double drive	29	82	1.7 x 1.7; 2.5 x 2.5 3.3 x 3.3; 4.5 x 4.5 5.7 x 5.7	2 x 150 2 x 180	242 x 113 x 154	83 x 59 (83 x 84)*	46,305
Universo 2800 Double drive	29	109	1.7 x 1.7; 2.5 x 2.5 3.3 x 3.3; 4.5 x 4.5 5.7 x 5.7	2 x 150 2 x 180 2 x 218	273 x 113 x 154	110 x 59 (110 x 84)*	59,976

\*Dimensions of the internal force feeder



March 2015. All technical modifications reserved, also due to printing and other errors. Illustrations are not binding. All data is only approximate.



Unforgivingly strong. Nonstop.  
**Universo series**



# Strength. Endurance. Throughput. Go all out! Universo series.

Completely irrespective of whether you recycle hard plastics, agricultural films or post-consumer materials: the Universo series enables you to cope with the most difficult requirements and achieve high throughput volumes in continuous operation. Robust rotors and features such as the standard safety clutch make the machine resistant to foreign objects. Innovative drive technology ensures smooth shredding. The material can be fed in without any problems by conveyor belt or forklift. The ideal solution for waste and recycling companies with high production volumes.

**Universo. Unforgivingly strong. Nonstop.**



## Full power ahead: the rotor variants.

- **Point Blade Rotor.** Precise cut, high throughput. Ideal for post-consumer and problematic materials such as big bags, filaments or stretch films.
- **Square Blade Rotor.** Energy efficient with controlled material feed. Ideal for hard plastics etc.
- Both variants are available with different **knife sizes.**

## Designed for increased throughput: the machine technology

- **Heavy Duty Gearbox Drive System.** Proven and extremely robust drive concept with a speed range of 60-130 rpm.
- **Standard safety clutch** as protection against damage to the machine by foreign objects.
- **Hydraulic pushing system,** optionally with internal force feeder for increased filling volume, simplified charging and avoidance of undesired material leakage.

## Simply intelligent: the comfort features.

- **Hydraulic maintenance flap** for quick removal of foreign objects and comfortable access to the rotor.
- **Hydraulically movable screen system** for quick screen change and easy maintenance.
- **PLC control** for optimum operating comfort, such as material-specific programs. Optionally available with touch screen and frequency converter.

## Prepared for everything: the plastics options.

- **Rotor cooling** for heat-sensitive plastics.
- **Rotor-wearing protection** for contaminated plastics.
- **Extended Frame** to prevent bridging in processes involving large parts.
- **Special screens** to minimize fine parts and strip, for optimal preparation of the following processes, e.g. washing systems.

