



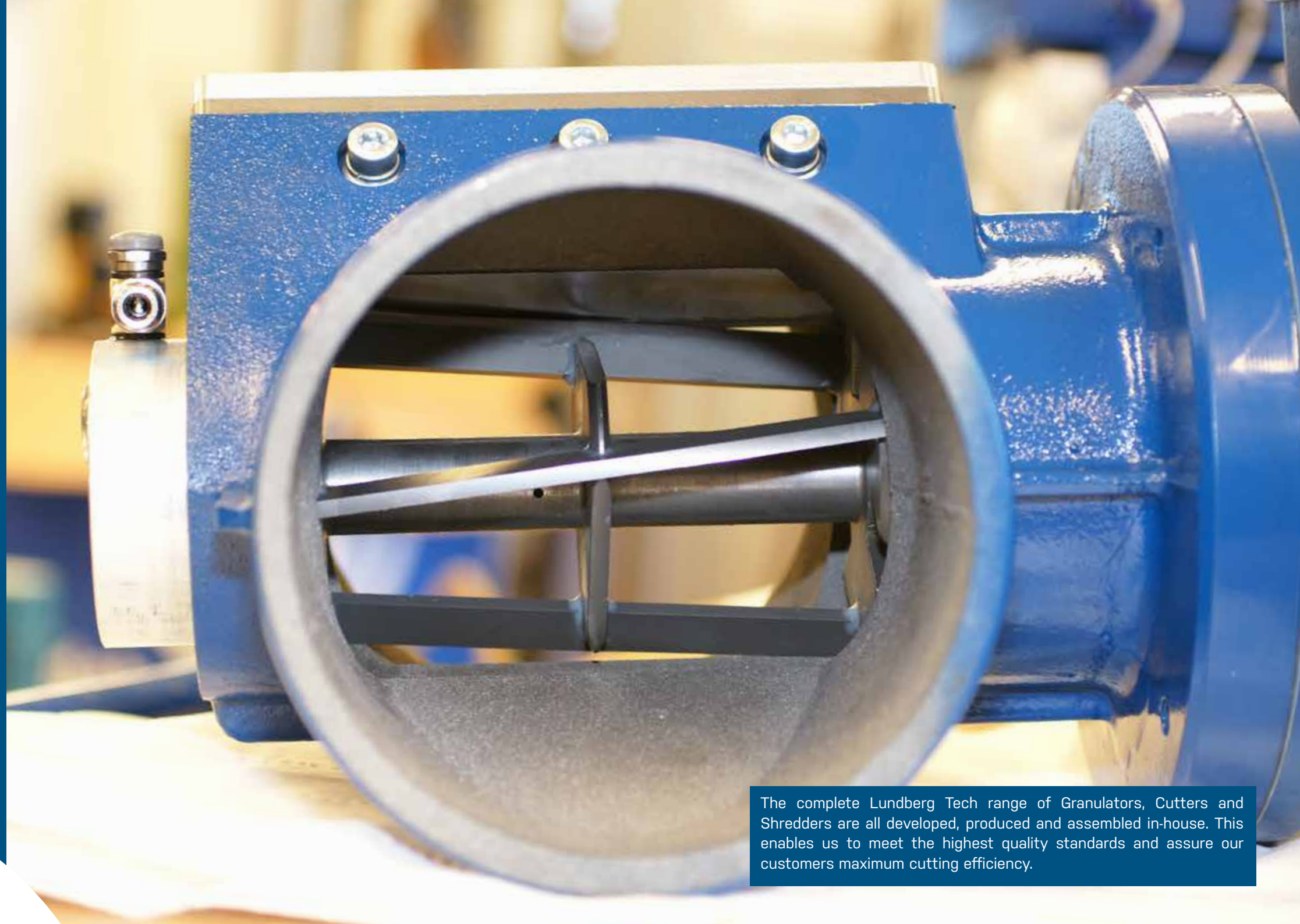
# GRANULATORS, CUTTERS & SHREDDERS

[www.lundbergtech.com](http://www.lundbergtech.com)

 **LUNDBERG**<sup>TECH</sup>  
Our waste handling keeps production going

# ADVANTAGES

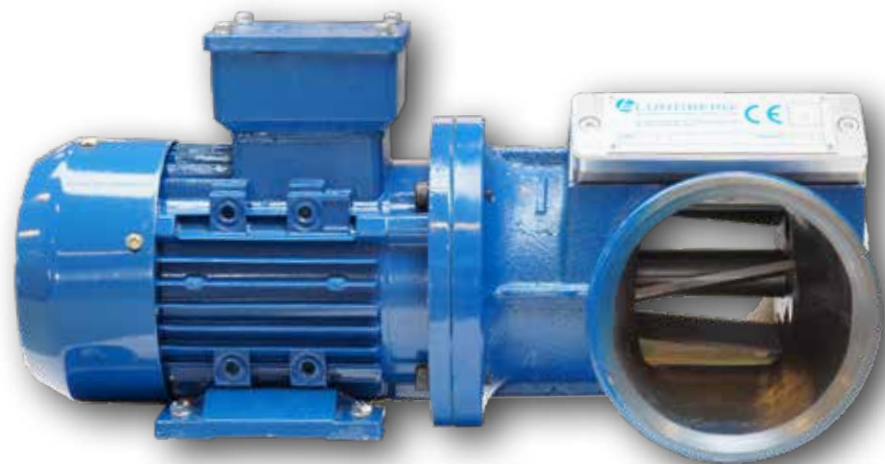
- Reduced volume of waste by cutting the waste
- High cutting efficiency
- Prepare for recycling
- Ability to cut very thin materials, down to 10 microns
- Easy to adjust, multiple screws for adjusting the fixed blade
- Construction with high stability
- Lubrication system without compressed air
- Special composites of hard metal and cutting knives
- Low maintenance costs
- Very long lifetime: Granulators more than 25 years old are still operating
- Broad product line with entrance from 55-1650 mm and no. of knives from 2-12 on the rotor



The complete Lundberg Tech range of Granulators, Cutters and Shredders are all developed, produced and assembled in-house. This enables us to meet the highest quality standards and assure our customers maximum cutting efficiency.

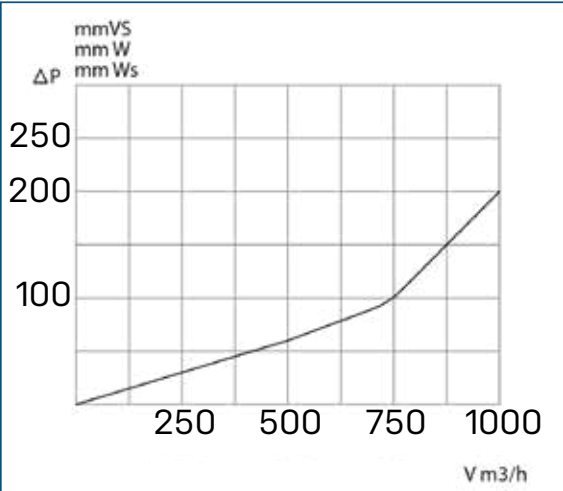


# GR 80

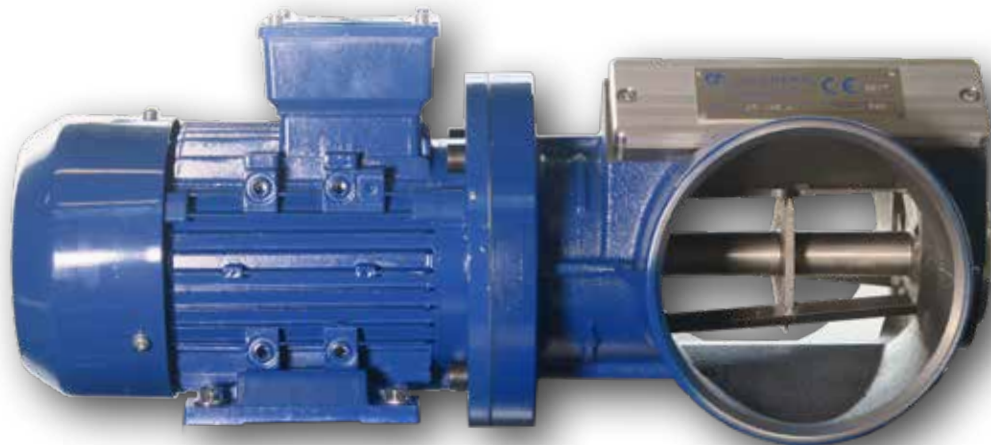


## INFORMATION

Granulator housing	Cast iron
Motor standard	0.55kW (0.74 HP) type M71, 1400/2800 rpm
Power	3 Phase, 230-460V, 50-60 Hz
Nom. amperage	1.20A
Fuse	10 Amp.
Knives	Hard metal
Piping	Dia. 125 mm (5")
Transmission	Direct coupling
Weight incl. motor	20 kg (44 lbs)
Weight excl. motor	12.5 kg (28 lbs)
Colour	Ral 5010
Noise level	60 dB (A)
Minimum thickness	20 microns (0.0007")

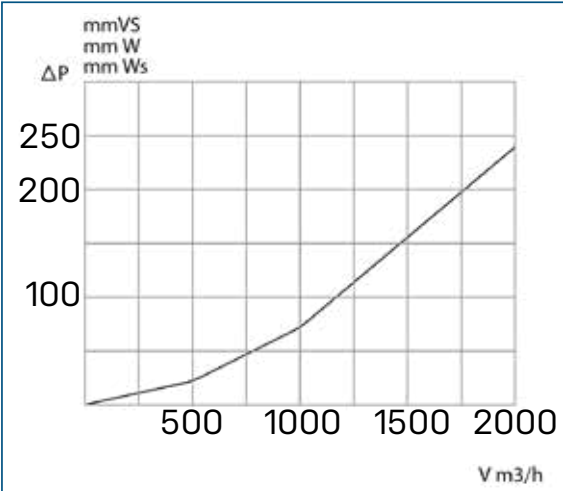


# GR 140

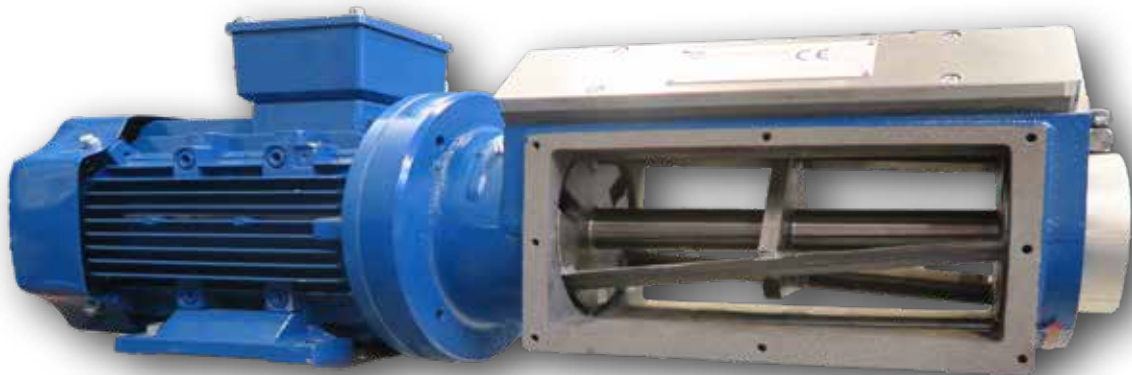


## INFORMATION

Granulator housing	Cast iron
Motor standard	0.75kW (1 HP) type M80, 1400/2800 rpm
Power	3 Phase, 230-460V, 50-60 Hz
Nom. amperage	1.75A
Fuse	10 Amp.
Knives	Hard metal
Piping	Dia. 160 mm (6")
Transmission	Direct coupling
Weight incl. motor	32 kg (71 lbs)
Weight excl. motor	20 kg (44 lbs)
Colour	Ral 5010
Noise level	60 dB (A)
Minimum thickness	10 microns (0.0003")

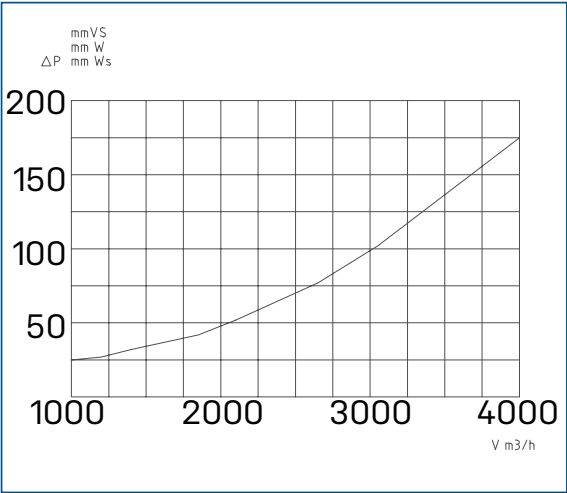


# GR 200



## INFORMATION

Granulator housing	Cast iron
Motor standard	1.50kW (2 HP) type M90, 1400/2800 rpm
Power	3 Phase, 230-460V, 50-60 Hz
Nom. amperage	3.50A
Fuse	10 Amp.
Knives	Hard metal
Piping	Dia. 160-250 mm (6" - 10" )
Transmission	Direct coupling
Weight incl. motor	42 kg (93 lbs)
Weight excl. motor	25 kg (55 lbs)
Colour	Ral 5010
Noise level	60 dB (A)
Minimum thickness	10 microns (0.0003")

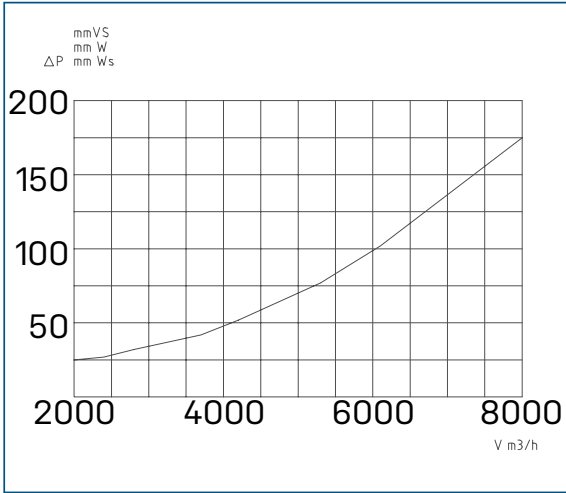


# GR 250X



## INFORMATION

Granulator housing	High-carbon steel
Motor standard	3.00kW (4 HP) type M100, 1400/2800 rpm
Power	3 Phase, 230-460V, 50-60 Hz
Nom. amperage	6.30A
Fuse	16 Amp.
Knives	Hard metal
Piping	Dia. 200-400 mm (8" - 16")
Transmission	Direct coupling
Weight incl. motor	205 kg (452 lbs)
Weight excl. motor	180 kg (397 lbs)
Colour	Ral 5010
Minimum thickness	20 microns (0.0007")



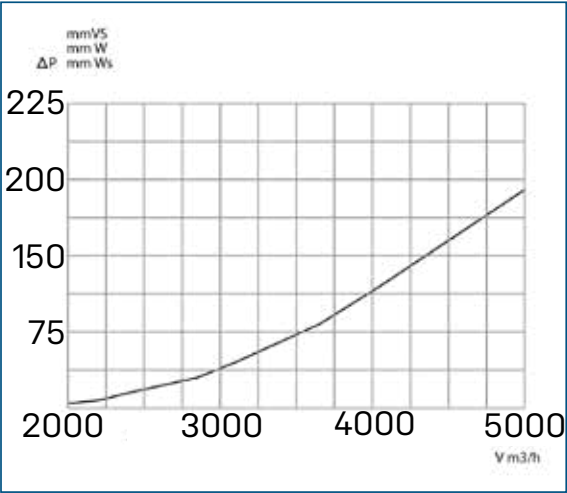
# Wide Web Granulators from GR 360 to GR 660



INFORMATION

Granulator housing	High carbon steel
Motor standard	1.50kW (2 HP) type M90, 1400/2800 rpm
Power	3 Phase, 230-460V, 50-60 Hz
Nom. amperage	3.50A
Fuse	10 Amp.
Knives	Hard metal
Inlet/outlet width	360 to 660 mm (14.2" to 26")
Inlet height	60 to 110 mm (2.4" to 4,3")
Outlet height	80 to 110 mm (3.1" to 4,3")
Transmission	Direct coupling
Weight incl. motor	65 to 129 kg (152 to 284 lbs)
Weight excl. motor	40 to 100 kg (88 to 220 lbs)
Colour	Ral 5010
Minimum thickness	50 microns (0.0019")

Customised inlet/outlet width in steps of 360, 460, 560 and 660 mm.



Pressure drop curve for GR 660

# Customised Granulators & Cutters

## Steel series



Granulator housing	High carbon steel
Motor standard	Customised, 1400/2800 rpm
Power	3 Phase, 230-460V, 50-60 Hz
Nom. amperage	4.00A
Fuse	10 Amp.
Knives	Hard metal
Inlet/outlet width	55 to 560 mm (2.1" to 22")
Inlet/outlet height	55 to 70 mm (2.1" to 2.7")
Piping	Customised
Transmission	Direct coupling
Colour	Metal
Noise level	60 dB (A)
Minimum thickness	20 microns (0.0007")

Customised to application with inlet/outlet width from 55 to 560 mm (2.1" to 22") and height from 55 to 70 mm (2.1" to 2.7").

## Stainless series



Granulator housing	Stainless steel
Motor standard	Customised, 1400/2800 rpm
Power	3 Phase, 230-460V, 50-60 Hz
Nom. amperage	4.00A
Fuse	10 Amp.
Knives	Hard metal
Inlet/outlet width	55 to 560 mm(2.1" to 22")
Inlet/outlet height	55 to 70 mm (2.1" to 2.7")
Piping	Customised
Transmission	Direct coupling
Colour	Metal
Noise level	60 dB (A)
Minimum thickness	20 microns (0.0007")

Customised to application with inlet/outlet width from 55 to 560 mm (2.1" to 22") and height from 55 to 70 mm (2.1" to 2.7").

# OPTIONS

Lundberg Tech's Granulators and Cutters can be customised to dedicate the performance and to handle various materials.

Options are available to:

- Handle various materials
- Increase capacity
- Neutralise adhesive
- Cut to specific size
- Handle ultra thin and abrasive materials

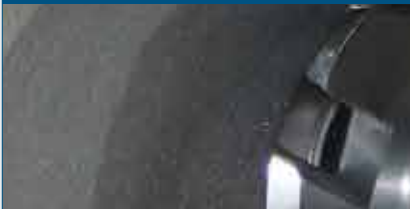
## Lubrication system

Unique system to add silicone oil through the rotor's center axis to lubricate knives for handling adhesive material.



## Non-stick coating

Special non-stick surface inside Granulator to prevent adhesive material sticking to the surface.



## Frequency motor

Variable speed drive to adjust the number of cuts per minute to the speed of the process machine in order to control the waste size.



## 2-3-6-9-12 knives on rotor

Variable number of rotor knives. The number of knives will be adapted to the requested cutting result and required length of pieces.



## Ultra thin material

Rotor design for ultra thin materials, based on a CNC 3 step sharpening and balancing process. It increases cutting efficiency when handling materials below 10 microns.



## Extra wear resistance

A special coating ensures superior durability and is not matched by any Granulator in the industry. It has a proven four times longer lifetime.



## Gear motor

To cut very special thick heavy material a gear motor with increased torque is required.



## Hole shield

Cut the waste to a specific size either to ease recycling or handle high value items by continuously cutting until it can pass through the hole shield.



## No center axis

The rotor can be customised to meet specific requirements. We recommend no center axis at high process machine speed and stiff material.







The modular Granulator is ideal for cutting paper and cardboard skeletons from high-speed flatbed die cutting processes from 550 mm up to 1650 mm width. The product can also cut plastic matrix waste from continuous thermoforming processes.

The modular Granulator is available in other dimensions as well, and the inlet can be tailored to the specific application.

# Modular Granulator from GR 550 to GR 1650



## INFORMATION

Motor standard	3.00kW (4 HP) type M100, 1400/2800 rpm
Power	3 Phase, 230-460V, 50-60 Hz
Nom. amperage	6.30A
Fuse	16 Amp.
Knives	Hard metal
Rotor module size	275 mm (11")
Inlet width	550 to 1650 mm (21.7" to 65")
Inlet height	170 mm (6.7")
Outlet piping	Dia. 200 mm (8")
Transmission	Direct coupling
Weight incl. motor	720 kg (1590 lbs)
Weight excl. motor	695 kg (1532 lbs)
Colour	Ral 5010
Minimum thickness	50 microns (0.0019")

\*Modular Granulator shown with 4 rotor modules and a width of 1100 mm





The WasteShredder is ideal for shredding carton, empty boxes, logistic waste, single bags, empty food trays and other flexible packaging. It shreds waste from unwrapping and debuggng processes. It can be placed centrally in the production to ensure that waste is quickly shredded and transported away from the production area.

The WasteShredder can be equipped with different inlets, depending on application.



# WasteShredder 600

## INFORMATION

Motor standard	2 x 3.00kW (4 HP) type M100, 1400/2800 rpm
Power	3 Phase, 230-460V, 50-60 Hz
Nom. amperage	11 Amp.
Fuse	16 Amp.
Rotor	2 pcs.
Rotor speed	50 rpm
Knives on rotor	22 x 8
Inlet width	600 mm (43.3")
Inlet height	370 mm (6.7")
Outlet piping	Dia. 160 mm (8")
Min. air requirement	1500 m³ / hour (885 CFM)
Weight incl. motors	720 kg (1590 lbs)
Colour	Ral 5010



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