



The best Waste
Recovery Solutions

Rotary Shear



Rotary Shear



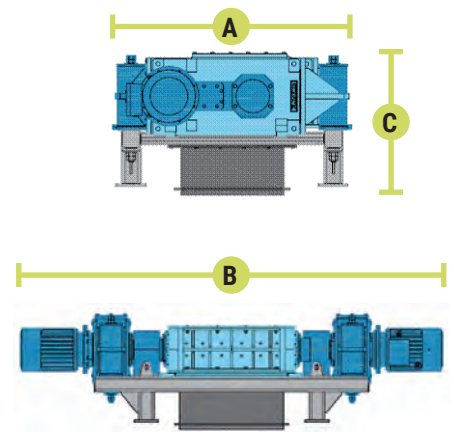
The machine is equipped with two shafts which incorporate cutting discs that place the material inside the shredding zone. Due to the cutting chamber configuration the material is shredded both longitudinally and transversely.

Models can be dimensioned according to the needs of the client.

General dimensions

| Model | Width "A" | Length "B" | Height "C" |
|-------------|-----------|------------|------------|
| 75/100 22 | 1430 | 4000 | 1050 |
| 85/110 37 | 1710 | 5000 | 1050 |
| 95/120 55 | 2150 | 5050 | 1220 |
| 110/130 75 | 2120 | 5100 | 1250 |
| 125/160 90 | 2470 | 6370 | 1550 |
| 140/160 132 | 3140 | 7400 | 1660 |

Dimensions in milimeters



| Model | Cutting chamber | Shaft diameter | Cutting disc width | Cutting disc diameter | Weight in Kg * | Engine power (kW) ** | Capacity examples *** |
|-------------|-----------------|----------------|--------------------|-----------------------|----------------|----------------------|---|
| 75/100 22 | 750x1000 | 140 | 35 | 360 | 7400 | 2 x 22 | Document shredding: up to 4 t/h approx. |
| 85/110 37 | 850x1100 | 170 | 30/50 | 400 | 10000 | 2 x 37 | Minibar: up to 60 un/h approx. |
| 95/120 55 | 950x1200 | 200 | 58/80 | 480 | 15000 | 2 x 55 | Garden waste: up to 6-10 t/h approx. |
| 110/130 75 | 1100x1300 | 240 | 58/80 | 530 | 18000 | 2 x 75 | Truck & Car tires: up to ø 1,6 m: 10-15 t/h approx. |
| 125/160 90 | 1250x1600 | 280 | 80/120 | 640 | 28000 | 2 x 90 | RDF/RSF: up to 20 t/h |
| 140/160 132 | 1400x1600 | 320 | 86/120 | 685 | 36500 | 2 x 132 | Dumpers & Excavator tires up to ø 2 m: 30 t/h approx. |

Dimensions in milimeters * With pusher ** Three phases, 50 Hz, Earth-Earth *** Other materials can be processed



Simple and fast shaft changes

With or without pusher?

The SPR rotary shears may have associated an automatic pusher. The pusher is useful for products that are fed by a conveyor belt and because of its low density or high size may generate blockages. The automatic pusher helps the material to be treated by the knives of the rotary shears and at the same time increases production of the shredder.

There are different types of pushers available for each of the different input materials.

Main advantages

- Quick change over of blades with easy shaft changes.
- Low maintenance costs.
- High wear and improper materials resistance.
- The coupling rests on silent-blocks to prevent damages from improper materials.
- The equipment is designed for high availability and therefore generates a fast return on investment.
- Top-quality motors and reducers.
- Simple and fast shaft changes.

Drives are placed on companders on the shaft in case that any improper sneaks in the cutting area

The cutting size is determined by the width of the cutting discs, the number of discs and the number of teeth that each disc possesses.

Constructive Details

The SPR rotary shear are made of high quality materials, following strictly quality standards with CE certification. The drive system absorbs shock loads and improper materials, and the gear boxes are done by Tandem type reducers, specially design for hard work. The width of the knife are between 35 to 155 mm, depending of the input materials and client needs.



Capacities

| Model | Document shredding | Cables and electronic waste | MSW | Industrial waste | Refrigerators | Plastic / metal packaging | Oil filters and automotive parts | Paper bales | Tires (car, truck, tractor...) | Special waste | Carpets | Textile |
|----------------|--------------------|-----------------------------|----------|------------------|---------------|---------------------------|----------------------------------|-------------|--------------------------------|---------------|---------|---------|
| RS 75/100 22 | 4t/h | 2-3t/h | - | - | - | - | 2-3t/h | - | - | 5t/h | - | - |
| RS 85/110 30 | 6-8t/h | 3-4t/h | - | - | 60ud/h | 3t/h | 3-4t/h | - | 5t/h | 10t/h | - | - |
| RS 95/120 55 | 8-10t/h | 4-6t/h | 10-12t/h | - | 80ud/h | 4-6t/h | 4-6t/h | - | 6-8t/h | 15t/h | 7t/h | 7t/h |
| RS 110/135 75 | 10-12t/h | 6-10t/h | 18-20t/h | 20t/h | 100ud/h | 8t/h | 6-10t/h | 15t/h | 15t/h | 20t/h | 8-10t/h | - |
| RS 125/160 90 | - | - | 20-25t/h | 25t/h | 120ud/h | 10t/h | - | 20t/h | - | 25t/h | - | - |
| RS 140/160 132 | - | - | 35t/h | 30-35t/h | 200ud/h | 15t/h | - | 25t/h | - | 30-35t/h | - | - |

* Guidance data to be confirmed according to the material

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