

MATERIAL SIZE REDUCTION

Standard Plastic Shredder

Compact, low-speed size reduction for routine production waste.



FY-SS01-300 reference machine

3 kW

MOTOR POWER

16 rpm

CUTTER SPEED

1,628 Nm

SPECIFIED TORQUE

Key Advantages

Low-speed reduction

A geared 16 rpm cutting system supports controlled material engagement.

9CrSi cutting system

Twenty-four 180 x 12 mm cutter discs are used in the reference build.

Compact feed opening

A 500 x 500 mm opening suits routine workshop and production waste.

Integrated layout

Motor, reducer, cutting chamber and control cabinet form a compact unit.

Best Suited For

- Plastic products
- Light-gauge metal items
- Food-processing waste
- Wood board
- Paper and board

Typical Workflow

- 1 Review the feed material
- 2 Load within the opening
- 3 Low-speed cutters reduce the waste
- 4 Collect material below the discharge

Need a configuration recommendation?

Send your product dimensions, weight, material and target output.

REQUEST A QUOTE



MATERIAL SIZE REDUCTION

Technical Data

Reference configuration - project confirmation required

Reference Specifications

Motor	3 kW, 4-pole, 1 unit
Power supply	3-phase, 380 V, 50 Hz
Reducer	K77-16
Cutter / shaft speed	16 rpm
Specified shaft torque	1,628 Nm
Shaft diameter	75 mm
Cutter specification	24 discs; 180 x 12 mm
Cutter material	9CrSi
Feed opening	500 x 500 x 300 mm
Discharge width / height	450 mm / 200 mm above floor
Overall dimensions	1,081 x 570 x 1,329 mm
Reference net weight	Approx. 400 kg

Standard / Reference

- Motor and K77-16 reducer
- 24-disc cutter assembly
- Integrated control cabinet
- Feed hopper and lower discharge

Available Options

- Application guarding
- Feed and discharge integration
- Destination electrical standard
- Material-specific cutter review

Confirm for Selection

- Material type and contamination
- Maximum feed-piece size
- Required output condition
- Duty cycle and loading method

CONFIGURATION NOTE

Technical data applies to the listed reference configuration only and may change with selected options and project requirements. Final specifications are subject to the approved quotation, drawings and order confirmation. Throughput and output size depend on material composition, feed condition, contamination, cutter configuration, loading method and operating duty. Representative material review or testing is recommended. Product images may show optional equipment not included in the standard supply.

Product page: <https://fyxfer.com/standard-plastic-shredder/>