Customer Projects



Solid Waste: Cable Wires Usage: Cable Granulator Project: Uniaxial crushing, Conveyor output Area: USA



Solid Waste: Aluminum Swarf Usage: Briquetting Project: Uniaxial crushing, Conveyor output Area: South Africa



Solid Waste: Steel sheet scrap Usage: Reduce Volume Project: Uniaxial crushing, Conveyor output Area: Korea



Solid Waste: Aluminum cans bale Usage: Resource reuse Project: Uniaxial crushing, Conveyor output Area: Canada



Solid Waste: PE Film Usage: Plastic reuse Project: Uniaxial crushing, Conveyor output Area: China



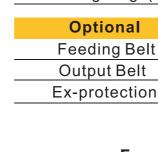
Solid Waste: waste foam Usage: baling, resource reuse Project: Uniaxial crushing, Conveyor output Area: Korea



Solid Waste: wood pallet Usage: wood pellet Project: Uniaxial crushing, Conveyor output Area: Australia



Solid Waste: PET bottles Usage: plastic reuse Project: Uniaxial crushing, Conveyor output Area: USA



ENERPAT

Enerpat Group UK Ltd

MSA-F600

800×600

600

490

500

23

4

18.5

760

1800

1300

1700

1650

YES

YES

YES

MSA-F1200

1300×1200

1200

565

815

55

6

55

1760

2800

2500

2100

2030

YES

YES

YES

Technical Information
Inlet Size mm

Shaft Length mm

Output Height mm

Ram Stroke mm

Movable Blade QTY pcs

Fixed Blade QTY pcs

Motor Power kw

Hopper Capacity I

Machine Size
Length mm

Width mm

Height mm

Gross Weight:kgs(approx)

Optional
Feeding Belt

Output Belt

Ex-protection

Technical Information

Inlet Size mm

Shaft Length mm

Output Height mm

Ram Stroke mm

Movable Blade QTY pcs

Fixed Blade QTY pcs

Motor Power kw
Hopper Capacity I

Machine Size

Length mm

Width mm

Height mm

Gross Weight:kgs(approx)

MSA-F800 | MSA-F1000

1300×1000

1000

565

815

45

4

45

1760

2800

2000

2100

1760

YES

YES

YES

1675×2000

2000

720

1100

95

8

55+55

5500

3700

4200

2500

14500

YES

YES

YES

1300×800

800

565

815

35

4

37

1500

2800

1800

2100

4000

YES

YES

YES

1300×1500

1500

565

815

70

6

75

1760

2800

2800

2100

2430

YES

YES

YES

MSA-F1500 MSA-F2000

Tel: +86-513-8778-2655
E-mail: info@enerpatgroup.com
Website: http://www.enerpatrecycling.com

Asia Production Base Address: No.2 Xintai Road, Rugao City, Jiangsu Province, China



UK Reliable Brand



Single Shaft Shredder











More demand, More growth

Enerpat provides professional recycling solutions and technical supports



After the solid waste enters the single shaft shredder through the hopper, the pusher pushes the solid waste to the cutter shaft under the driving of the hydraulic cylinder. The rotation of the motor is transmitted to the reducer through the transmission of the belt. The operation of the reducer drives the cutter shaft to rotate, and the cutter is broken by the fixed cutter and the movable cutter, and the finished product conforming to the screen size is dropped by the screen. The movable knife is fixed on the seat of the cutter shaft by bolts. When the equipment is running, the feed material is shredded by the cutting and breaking of the movable knife and the fixed knife, and the gap between the movable knife and the fixed knife can be adjusted by adjusting the bolt.

The shredded material particles are extruded through a screen, and the particle size of the discharge is determined by the mesh size of the screen.



- Rotor knives manufactured from special heat treated DC53 steel.
 They can be rotated and used on four edges before replacement Long life fixed blades that can be adjusted to maintain cutter
- Wear resistant coating. Optional for applications involving abrasive

 material such as fibre glass



Screen Basket

- Quick change screens for accurate particle size control (sizes 12-100mm)
 Safety limit switch fitted to screen access door to prevent machine
- operation whilst access door is open
- Cylinders access door opener mounted on V800-V1500 series for easy opening and access
- Star screen is available as an option for thin and/or flexible material such as



- Segmented shredding chamber floor with brass guides
- Machined, one-piece segmented floor
- Advanced adjustable sealing system for the pushing unit
- Fines discharge chute to the collect the fines during shredding and to protect the hydraulic power pack



- Electric drive motors configured for Star/Delta starting. Fluid coupling mounted on V1200 and V1500
- Heavy duty reduction gearbox mounted directed onto the
- Shock absorbing gearbox mounting arrangement to reduce stress on drive components



Bearing/Bearing Base

- The high-strength and high-quality bearings are independently installed on the outside of the box to prevent the materials in the crush box from entering the bearing.
- The overall machining of the bearing housing ensures the long service life of the bearing
- Knife Roll Water Cooling Device When handling low melting point materials, water cooling device can be selected through the bearing block through the knife roll



Control Panel

- Standalone electrical control panel with Siemens PLC control system and Schneider electrical components.
- Manual and automatic controls for rotor direction and
- hydraulic force feeding device
- Intelligent programming whereby the motor automatically reverses on overload and stops when the machine is idle



Hydraulic System

- Twin speed hydraulics, faster speed for backwards to maximize the shredding throughput
- Integrated oil/air cooler to maintain temperature for continuous operation
- Optional cover insulator for applications that may eject hazard particles such as wood shredding.



- Hydraulic press is controlled by hydraulic system mounted on the top of the chassis
- Mainly used for shredding large pieces, hollow materials

