



# Shredder Machine

(Single Shaft Shredder)



This machine is developed for shredding of Plastic, Paper, Wood, Municipal Waste, Bio Waste, Electronic Waste, Biomass, WEEE etc. Production from 100kg to 1500 kg/hr.



AI-TECH  
RECYCLING  
TECHNOLOGY

[www.panchal-plastic.com](http://www.panchal-plastic.com)



Save Environment



# Shredder Machine (Single Shaft Shredder)

**ShredCUT :** The unique ShredCUT technology is a combination of knife cutting angle, cutting speed and sequential cutting supported by FlexiPUSH. It provides a superior shredding solution for plastic materials. ShredCUT provides a sheer and smooth cut with low stress and therefore requires less motor power.

This results in : • Uniformly granulated chips • Low energy consumption • A long lasting, high performance solution

**FlexiPUSH :** The pneumatic FlexiPUSH-system is self-regulating , efficiently absorbing vibrations and mechanical stress that occur in tough applications. The special hopper design allows material to be transported automatically into the rotor. Total responsibility—one partner In a single process, the GranuShred and granulator convert even the toughest solid lumps and bulky containers into recyclable regrind of the size you require.

## Main Features :

Cuts the material with our ShredCUT technology, instead of shredding. Minimized mechanical stress thank’s to slow cutting operation. Energy saving. ShredCUT and sequential cutting action require lower motor power. Screen less operation produces uniform “chips”. Optional screen available for smaller particle sizes. Increased capacity achieved by double knife rows (Wide model). Rotor cooling available fo GranuShred Wide. Low noise level. Optional sound-proofed execution for critical environments. Easy output from standard high-built stand by band or screw conveyor. Mechanical stress absorbing pneumatic feeding system, our unique FlexiPUSH.

## Application :

**Injection Moulding :** Injection moulding applications involves three main areas : • Large lumps • Central granulation of large volume defects • Central granulation of sprues. The GranuShred models offer solutions for the special demands needed in these applications from the line’s standard configuration.

**Blow Moulding :** Blow moulding applications include both large bulky items and smaller products like containers, bottles, etc. To avoid the material floating above the rotor and not being cut, the GranuShred is equipped with a second top pusher to force the material into the rotor knives.

**Extrusion :** Loose film, Film rolls, Pipe/Profile, The GranuShred Series processes all types of extrusion applications : loose film, rolls of film, big lumps, extruded profiles and pipes. Rotor cooling is available when processing exceptionally temperature-sensitive materials.

MODEL	PPM-540S	PPM-1080S	PPM-1620S
Main Motor (HP)	20 / 15	30 / 22	75 / 55
No. of Knives	14	28	42
Rotor Speed (rpm)		60 - 100	
Pneumatic Pusher		Yes	
Rotor Diameter (mm)	300	300	450
Cutter House (mm)	540 x 750	1080 x 800	1620 x 1100
Production (Kg/Hr.)	200 - 450	500 - 900	800 - 1500

\* Specification are not binding and subject to change without notice.

## Why PANCHAL?

- High-tech from the world market leader • Top-notch state-of-the-art recycling technology • Superior end product quality
- Best customer service and care and therefore reliability for the user • Tailor-made, individual solutions possible through large engineering capacity with more than • 28 years experience in plastic recycling technology • Superb reliability, flexibility and productivity • Your best partner

## PANCHAL PLASTIC MACHINERY PVT. LTD.

Plot # 127, G.I.D.C., Umbergaon - 396171,  
Dist. Valsad, Gujarat, INDIA.

Tel.: ++91-260-2563391 / 2563392  
Fax : ++91-260-2562892

E-mail : [info@panchal-plastic.com](mailto:info@panchal-plastic.com)  
Website : [www.panchal-plastic.com](http://www.panchal-plastic.com)