



SINCE 1983

Pioneer Engineering Corporation

Manufactures & Exporters of Plastic Recycling Machineries & Spares



Come Recycle with us !



**PORTABLE
GRANULATOR**



**GRANULATOR
WITH SIDE CHUTE**



**GRANULATOR WITH SUCTION
BLOWER ATTACHMENT**

Model	PCF-200	PCR-200	PSTG-200	PCF-300	PCF-300/5	PCR-300	PSTG-300
Length of blade	200 mm	200 mm	95mm- 6 pc. 200mm-2 pc.	300 mm	300 mm	300 mm	75 mm-12 pc. 300mm-2 pc.
No. of blades	4	5	10	4	5	6	14
Chamber size	200 x 200 mm	200 x 200 mm	200 x 200 mm	300 x 300 mm	300 x 300 mm	300 x 300 mm	300 x 300 mm
Grinding Capacity*	20 kgs/hr	30 kgs/hr	40 kgs/hr	60 kgs/hr	70 kgs/hr	75 kgs/hr	80 kgs/hr
Power required	3 HP (2.25 kw)	3 HP (2.25 kw)	3 HP (2.25 kw)	5 HP (3.75 kw)	5 HP (3.75 kw)	5 HP (3.75 kw)	5 HP (3.75 kw)
Suitable for	Runners, Caps, Cups, 1/2ltr	Runners, Caps, Cups, 1/2ltr	Thick runners, small lumps	Buckets up to 9ltrs, Mugs, Blow moulded container up to 5ltrs	PET bottles up to 2ltrs, Pipes upto Ø 60mm	Films, Yarn, Box strapping tapes	Small lumps, Pet Preforms

Model	PCF-400	PCF-400/5	PCR-400	PSTG-400	PCF-500	PCF-500/5	PCR-500	PSTG-500
Length of blade	400 mm	400 mm	400 mm	132 mm-9 pc. 400mm-2 pc.	500 mm	500 mm	500 mm	166mm-9 pc 500mm-2 pc
No. of blades	4	5	6	11	4	5	6	11
Chamber size	400 x 400 mm	400 x 400 mm	400 x 400 mm	400 x 400 mm	500 x 500 mm	500 x 500 mm	500 x 500 mm	500 x 500mm
Grinding Capacity*	110 kgs/hr	120 kgs/hr	125 kgs/hr	130 kgs/hr	160 kgs/hr	170 kgs/hr	180 kgs/hr	200 kgs/hr
Power required	10 HP (7.5 kw)	10 HP (7.5 kw)	10 HP (7.5 kw)	10 HP (7.5 kw)	15 HP (11.25 kw)	15 HP (11.25 kw)	15 HP (11.25 kw)	20 HP (15 kw)
Suitable for	Buckets up to 20ltrs, Blow moulded container up to 10ltrs	Pipes up to Ø 110mm, HIPS/PP/PET Sheets, Glasses	Films, Shoes, Jute/Raffia bags	Thick walled articles, Lumps, PET Preforms	Buckets up to 30ltrs, Blow moulded container up to 20ltrs, AC/TV frames	Pipes up to Ø 160mm, HIPS/PP/PET Sheets, Glasses	Films, Shoes, Jute/Raffia bags	Thick walled articles, Lumps, HDPE Pipes



GRANULATOR WITH BLOWER & DUST COLLECTOR ATTACHMENT



GIANT GRANULATOR

Model	PCF-600	PCF-600/5	PCR-600	PSTG-600	PCF-700	PCF-700/5	PCR-700	PSTG-700
Length of blade	630 mm	630 mm	630 mm	228 mm-9 pc 630 mm-2 pc	700 mm	700 mm	700 mm	220 mm-9 pc 700 mm-2 pc
No. of blades	4	5	6	11	4	5	6	11
Chamber size	630x600 mm	630x600 mm	630x600 mm	630x600 mm	700x700 mm	700x700 mm	700x700 mm	700x700 mm
Grinding Capacity*	200 kgs/hr	225 kgs/hr	250 kgs/hr	300 kgs/hr	400 kgs/hr	450 kgs/hr	500 kgs/hr	550 kgs/hr
Power required	25 HP (18.75 kw)	25 HP (18.75 kw)	30 HP (22.50 kw)	30 HP (22.50 kw)	40 HP (30 kw)	40 HP (30 kw)	40 HP (30 kw)	40 HP (30 kw)
Suitable for	Blow moulded container/barrel up to 60ltrs, 20ltrs jars, Crates	Pipes up to Ø 200mm, HIPS/PP/PET Sheets, Glasses, Luggage shells	Films, Shoes, Yarn, Jute/Raffia bags	HDPE/CPVC/UPVC Pipes & Fittings, PET/PC Preforms, Lumps	Blow moulded container/barrel up to 100ltrs, Chairs, Refrigerator stands	Pipes up to Ø 250mm, Auto parts, Luggage shells	Films, Shoes, Yarn, Jute/Raffia bags, Box strapping tapes	HDPE/CPVC/UPVC Pipes & Fittings, PET/PC Preforms, Lumps

Model	PCF-800	PCF-800/5	PCR-800	PSTG-800	PCF-1000	PCF-1000/5	PCR-1000	PSTG-1000
Length of blade	800 mm	800 mm	800 mm	260 mm-9 pc 400 x 2-4 pc	500 x 2 = 1000 mm	500 x 2 = 1000 mm	500 x 2 = 1000 mm	325 mm-9 pc 500 x 2-4 pc
No. of blades	4	5	6	13	4 x 2 = 8	5 x 2 = 10	6 x 2 = 12	13
Chamber size	800 x 750 mm	800 x 750 mm	800 x 750 mm	800x750 mm	1000x850 mm	1000x850 mm	1000x850 mm	1000x850 mm
Grinding Capacity*	600 kgs/hr	675 kgs/hr	750 kgs/hr	800 kgs/hr	900 kgs/hr	1000 kgs/hr	1100 kgs/hr	1200 kgs/hr
Power required	50 HP (37.50 kw)	50 HP (37.5 kw)	50 HP (37.5 kw)	50 HP (37.5 kw)	60 HP (45 kw)	60 HP (45 kw)	75 HP / (56.25 kw)	75 HP (56.25 kw)
Suitable for	Blow moulded container/barrel up to 120/150ltrs, Battery boxes	Pipes up to Ø 315mm, Auto parts, Luggage shells	Films, Shoes, Yarn, Jute/Raffia bags, Box strapping tapes	HDPE/CPVC/UPVC Pipes & Fittings, Washing machine tubs, Lumps	Blow moulded container/barrel up to 200ltrs, Car Bumper/Dash boards	Pipes up to Ø 350mm, Road Barriers, Pet bottles	Films, Shoes, Yarn, Jute/raffia bags, Box strapping tapes, Tobacco leaves	HDPE/CPVC/UPVC Pipes & Fittings, Refrigerator body, Lumps



ONLINE SHEET GRANULATOR / THERMOFORMING GRANULATOR

Technical Details

Model	PSF 600	PSF 750	PSF 800
Mouth size	600mm	750mm	800mm
Power required	15 hp	20hp	40 hp
Number of blades	3- rotating	3x2- rotating	3x2- rotating
	2-stationery	2x2-stationery	2x2-stationery
Output(kgs/hr)	100 to 125	150 to 200	300 to 400

*Higher capacity models available on request



Special Features

- ✓ Auto feeding
- ✓ No operator required
- ✓ Dynamically balanced rotor
- ✓ Scissor cutting action
- ✓ Low maintenance
- ✓ High output
- ✓ Control panel provided with VFD for speed control

SCREW TYPE VERTICAL MIXER

Model	PVSM 100	PVSM 250	PVSM 500	PVSM 1000
Mixing capacity	100 kgs	250 kgs	500kgs	1000kgs
Vessel capacity	110kgs	260kgs	550kgs	1200kgs
Power required	2 hp	2hp	3hp	3hp
Mixing time reqd	10 to 15min	10 to 15min	20 to 25min	40 to 45min
Control panel with Timer	Upto 99 Mins.	Upto 99 Mins.	Upto 99 Mins.	Upto 99 Mins.
Material of construction	M.S/S.S	M.S/S.S	M.S/S.S	M.S/S.S

Special Features

- ✓ Screw mixer suitable for mixing of plastic raw materials with master batches, re-grind etc.
- ✓ Uniform mixing with no wastage
- ✓ Compact design
- ✓ Three side material drain
- ✓ Front window provided for inspection
- ✓ Overload thermal relay for motor protection
- ✓ Provided with Auto Stop timer





**CONICAL / TUMBLER
MIXER**



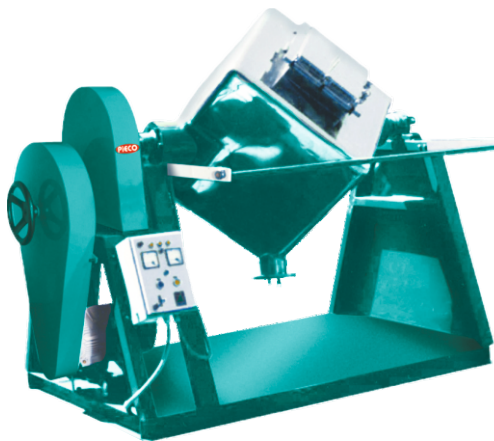
**TWIN DRUM CONICAL
MIXER**

Model	PDB-25	PDB-50	PDB-100	PDB-150	PDB-200	PDB-250
Mixing Capacity*	25 kgs./batch	2x25 kgs./batch	2x50 kgs./batch	2x75 kgs./batch	2x100 kgs./batch	2x125 kgs./batch
Power required	1 HP (0.75 kw)	2 HP (1.5 kw)	3 HP (2.2kw)	5 HP (3.7kw)	7.5 HP (5.5 kw)	7.5 HP (5.5 kw)
Mixing time	6 to 8 Minutes	6 to 8 Minutes	9 to 12 Minutes	9 to 12 Minutes	10 to 12 Minutes	10 to 12 Minutes
Control Panel with Timer	0 to 20 Minutes	0 to 20 Minutes	0 to 30 Minutes	0 to 30 Minutes	0 to 30 Minutes	0 to 30 Minutes

Special Features: • S.S. Mixing Drum • Uniform Masterbatch & Color mixing • Provided with Auto Stop Timer
• Wide choice in Six different models from 25 kgs./batch to 250 kgs./batch



VERTICAL MIXER



**ROTOCUBE MIXER
250 Kgs./Batch**

Model	PVM-25	PVM-50	PVM-100	PVM-150	PVM-200	PVM-250
Mixing Capacity*	25 kgs./batch	50 kgs./batch	100 kgs./batch	150 kgs./batch	200 kgs./batch	250 kgs./batch
Power required	1.5 H.P (1.1 KW)	3 H.P (2.2 KW)	5 H.P (3.7 KW)	7.5 H.P (5.5 KW)	10 H.P (7.5 KW)	15 H.P (11.2 KW)
Mixing time	6 to 8 Minutes	6 to 8 Minutes	9 to 12 Minutes	9 to 12 Minutes	10 to 12 Minutes	10 to 12 Minutes
Control Panel with Timer	0 to 20 Minutes	0 to 20 Minutes	0 to 30 Minutes	0 to 30 Minutes	0 to 30 Minutes	0 to 30 Minutes

Special Features: • S.S. Mixing Drum with Rotating Blades & Gear Box • Uniform Masterbatch & Color mixing •
• Provided with Auto Stop Timer • Wide choice in Six different models from 25 kgs./batch to 250 kgs./batch



PULVERIZER

Technical Details

Model	PPULZ- 300	PPULZ- 400	PPULZ- 600
Disc Diameter	300 MM	400 MM	600 MM
Main motor	20 H.P	40 H.P	75 H.P
Output(kgs/hr)	100 TO 150	200 TO 300	400 TO 500

*Output depends on material *Mid models also available on request



Special Features

- ✓ Provided with Magnet to restrict entry of Metal parts feed in Mill.
- ✓ Integrated Limit Switch provided for safety to prevent access until Rotor has reached a complete standstill.
- ✓ Cooling system provided for controlling the temperature of Mill body.
- ✓ Suction system provided with Blower, Cyclone, Separator, Rotary Valve, Motor & Gear Box.
- ✓ All electrical units enclosed in powder coated Panel box having press button switches with Phase indicators, fuses & lockable main switch.
- ✓ Vibro Screen having S.S. Screening Mesh



SHREDDER ALONG WITH CONVEYOR & GRANULATOR



SHREDDER

MODEL	ROTOR LENGTH	MOTOR	POWER PACK	NO. OF BLADES	OUTPUT
PSR 500	500 MM	20 H.P	3 H.P	R-30 F-4	100-120 KGS/HR
PSR 600	600 MM	30 H.P	5 H.P	R-36 F-4	150-200 KGS/HR
PSR 800	800 MM	40 H.P	5 H.P	R-48 F-6	250-300 KGS/HR
PSR 900	900 MM	50 H.P	7.5 H.P	R-72 F-6	400-500 KGS/HR

*SUITABLE FOR THICK WALLED HDPE PIPES, LUMPS, DRUMS, RAFFIA/JUMBO BAGS ETC.

*R-ROTATING
*F- FIX



LUMP CUTTER

Technical Details

Model	PLC-200	PLC-500
Stroke	200 mm	500 mm
Power required	5 HP (3.75 kw)	7.5 HP (5.60 kw)
Blade	500 mm long	700 mm long
Cutting Space	300 x 200 mm	600 x 400 mm

Special Features

- ✓ Suitable for Cutting/Chopping lumps
- ✓ Provided with integrated limit switches and safety door to prevent access to cutting chamber during operation
- ✓ Storage container provided with trolley wheels for easy handling
- ✓ Control panel box provided with Ammeter, RYB phase indicators, Start/Stop push buttons etc.

Technical Details

Model	PBS-500	PBS-800
Can sharpen blades up to	20 inches	32 inches
Power required	1 H.P	2 H.P

*Higher models available on request

Special Features

- ✓ Suitable for Re-sharpening blades of Granulator & Agglomerator
- ✓ Provided with Safety Protection cover on wheel
- ✓ Water/Coolant dripping arrangement
- ✓ Tool storage provision
- ✓ Compact/ Portable design
- ✓ Cost effective



BLADE RE-SHARPENING MACHINE



**AGGLOMERATOR
(FILM SHREDDER)**

Technical Details

Model	AGLO-50
Blades	10 (6+4)
Rpm	1000
Power required	50 H.P (37.5 kw)
Shredding capacity	100-150 kgs/hr

* Lower capacity model also available

TYPES OF ROTORS

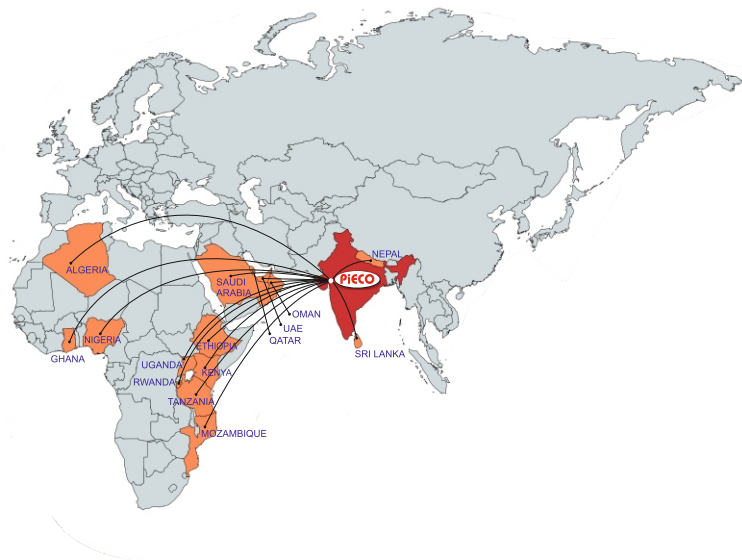
PIECO Granulators are designed in various series i.e. chopper rotors (PCF series), round rotor (PCR series) and heavy duty staggered rotors (PSTG series). PCF series granulators are chopper rotor type grinders suitable to grind hollow articles like buckets, jerry cans, big drums, PVC pipes, chairs, crates, dash boards and bumpers of cars, PET bottles and jars. PCR series granulators are provided with round type rotor suitable to grind films, yarn, raffia, jute bags, shoes etc. PSTG series staggered rotor granulators are suitable to grind lumps, HDPE Pipes, CPVC / UPVC pipes & fittings, PET preforms & solid thick wall articles.



PIECO was born as a professional enterprise in 1983 in India which manufactures high quality Granulators. It has kept on serving plastic processing industries with its world class technology for size reduction i.e. recycling and making the “BEST OUT OF WASTE”.

Today **PIECO** is acknowledged as one of the leading manufacturer and exporter of plastic recycling machineries. In today's competitive world, the survivor is the one who is able to minimize waste and reduce cost, but also maintain its quality and maximize profit, we help our customers reach this goal and due to this reason today our products are not limited only to Indian market but are also exported to various countries like UAE, Kenya, Sri Lanka, Saudi Arabia, Tanzania, Uganda.

“We not only deliver products but we deliver results”.



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