

Extruder -Side force feeder

FFE-Series



RECYCLING LINES FOR FILM, YARNS FABRIC, WASHING MATERIALS



Application:

This machine is developed for plasticizing and recycling of LLDPE, LDPE, HM, HDPE, PP, HIPS, PC, BOPP, OPP, PS, EPS, XPS, ABS etc. Production from 50kg to 1000 kg/hr.

Forced-Feeder System with Vented Extruder with Die face cutter water cooling system for recycling of plastic material such as LLDPE, LDPE, HM, HDPE, PP, HIPS, PC, BOPP, OPP, PS, EPS, XPS, ABS etc.

Recycling systems can be divided into two types:

- FORCE-FEEDER systems, consisting of a grinding mill, forced feed, extruder, filter and die face cutter designed to recycle plastic materials in film or ground form where grinding mills are used.
- IN-LINE systems formed by a shredder, extruder, filter and die face cutter designed for particular and washing materials such as fibers, fabrics, yarns and film.

Material Forms

Film/Rolls
Sheet
Monofilament
Raffia
Textile
Carppeting
Powder
Foam

PANCHAL PLASTIC MACHINERY PVT. LTD.

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Main Features :

- Force-Feeder with Silo for stocking fluffy and rigid material.
- Vented Extruder for removing the volatile and Moisture from Granules.
- Possible to change the size of granules and Perfect granules (virgin type)
- Melt Pressure Transducer.
- Hydraulic screen changer.
- Die-Face Cutter (Air & Water type) System.
- Control Panel with advance technology.

Material

LDPE	BOPP
LLDPE	OPP
HM	PS
PP	EPS
HIPS	XPS
PC	ABS

MODEL	PPM-65FFE	PPM-75FFE	PPM-90FFE	PPM-100FFE	PPM-120FFE	PPM-150FFE
FF Screw Diameter (mm)	80	105	105	125	150	180
FF Motor Power (kW)	3	5	5	5	5	7.5
Screw Diameter (mm)	65	75	90	100	120	150
L/D Ratio	35:1	35:1	35:1	35:1	35:1	35:1
Heating Load (kW)	20	30	35	45	55	80
Main Motor (kW)	30	37.5	45	55	75	90
Screen Changer Dia. (mm)	100	150	180	200	250	300
Die Face Drive (kW)	1.1	1.1	1.1	1.5	3	3
Water Pump (kW)	2	2	2	2	2	2
Spin Dryer (kW)	3	3	3	3	5	5
Production (Kg/Hr.)	70 - 120	100 - 150	150 - 200	250 - 300	350 - 450	650 - 800
TOTAL POWER (kW)	65	85	98	120	155	195

* 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

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