

PPlast



Dispersion Kneader


**INNOVATION
& SIMPLICITY**

**We have given up many customers because of the price.
We have won more customers because of quality.**

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About US

Pplast is established by Mr. S K Dwivedi in year 1990, who is having a versatile and well experience knowledge in the field of **plastic pelletizing machine manufacturing line**.

He know the future demand of the plastic market and how to tackle with that demand so, that we, can innovate and update our machine as per the requirements of customer. He don't only understand our company but he also understand the customer market and their requirements.

Since our door open in 1990, our dedicated staff and team of worker who are working round the clock to manufacture best and unmatched quality of machine.

Our Vision

Our first and foremost vision is to see at least one machine of our make at every leading plastic manufacturer company in india or around the globe.

Delighting our customer by providing innovation & excellence relentlessly.

Our Commitments

- Machine offer by us are value for money “ right quality at right price”
- We ensure timely delivery & efficient service to our clients
- The machine offer by us is make of excellent quality and workmanship
- Our core manufacturing products are.
- Dispersion kneader
- Pelletizing line with water/air/stand cutter type.
- Twin screw extruder / single screw extruder / engineering extruder

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Kneader MACHINE

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Dispersion Kneader



MACHINE TECHNICAL SPECIFICATION

MODEL	Main Motor	TILTING MOTOR	TILTING ANGLE	COMPRESSION AIR	EXHAUST EQUIPMENT	TEMPERATURE CONTROLLER
PPDK 5	10 HP	0.5 Hp	-	6kg/cm2	-	Automatic
PPDK15Ltr	22HP	0.75 HP	-	6kg/cm2	-	Automatic
25Ltr	30/40 HP	2 HP	-	10kg/cm2	-	Automatic
40Ltr	50/60 HP	3HP	-	10kg/cm2	1 HP	Automatic
60Ltr	60/75 HP	3HP	-	10kg/cm2	1HP	Automatic
75Ltr	75/100 HP	3HP	-	10kg/cm2	1HP	Automatic
100Ltr	100/120HP	5HP	-	10kg/cm2	1HP	Automatic
125Ltr	125/150HP	5HP	-	12kg/cm2	1HP	Automatic
200Ltr	220/250 HP	7.5HP	-1	2kg/cm	21HP	Automatic
150 ltr	150/200 HP	7.5 HP				

Mixing time 7 to 15 minutes

Special Features

- Various interlocking is provided in the machine to avoid any kind of miss happening.
- Installation of heavy duty gear box of well known company in india for better performance.
- Application of best quality of oil sealing is provided wherever its required to avoid any kind of leakage throw machine.
- Panle option is available as per the customer requirments to keep electrical component free from dust and heat.
- All electrical items such as temperature sensor, timer sensor, switches in the panel is from best quality of product and from well known companies in india.
- All the machanical parts of the kneader is setup under the guidance of mr dwivedi who have very vast knowledge in the feild of kneader manufacturing. All the part is set under international standard.
- All the parts of chamber is hard cromed with best quality of hard cromed for better friction and mixing of indededants.
- All pneumatic parts such as pipe line, FRL, valve, connector pressure guage is from genetics india.

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Palletizing LINE

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PPLAST Pelletizing Line



TECHNICAL SPECIFICATION

Model	Dispersion Kneader	Screw Die	Main Motor	Skip Conveyor Model	Force Fedder Model	Die Face Cutter Type	Control Pannel Type
PPPL 25	5 litre	45 mm	5 hp	N/A	PPFF25@3 hp	A/W	Independent
PPPL 50	15 litre	60 mm	7.5 hp	N/A	PPFF50@3 hp	A/W/S	Independent
PPPL 70	25 litre	70 mm	15 hp	PPSC200	PPFF70@3 hp	A/w/S	Independent
PPPL100	40 litre	100 mm	20 hp	PPSC200	PPFF500@3 hp	A/W/S	Independent
PPPL250	55/75 litre	100 mm	30 hp	PPSC200	PPFF500/600@7.5 hp	A/W/S	Independent
PPPL500	100/125ltr	125 /150 mm	40/50 hp	PPSC300	PPFF600/700@7.5 hp	A/W/S	Independent
PPPL1000	150/200 litre	160 mm	75 hp	PPSC300	PPFF800/1000@10 hp	A/W/S	Independent

Special Features

- We offer best combination of dispersion kneader and extruder line to maintain continues flow of production and better utilization of combination.
- VFD drive is provided in force feeder to control the feeding into the extruder line.
- The option of remote control panel is provided for prime mover to avoid any kind dust and heating in the main panel .
- We offer multipurpose screw design which is suitable for various application.
- The screw & barrel is make of best quality of material available in market and make with hardness of 60-69 HRC. The screw is also polish for better friction and mixing.
- The heating of the barrel is provided by best quality of ceramic heater and option of IR (infra red) heaters is also provided as per the customer requirements for the instant heating and power saving.
- The cooling of barrel is done by water or either air blower system. We installed best quality of blower specially designed by us connected with standard motor. The water cooling system is provided by copper pipe connected with barrel and controlled by rotex solenoid valve.
- We installed best and heavy duty gearbox in extruder and force feeder from best Indian company. option of zombalo and other international gear box is available as per the customer requirements.
- Option of air/water /stand cutter is available on same platform and can be change if required.
- All the parts that come in contact with water is make of stainless steal 304 to avoid any kind of rust .

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Twin Screw EXTRUDER

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Twin Screw Extruder High Torque



TECHNICAL SPECIFICATION

Model	Diameter (mm)	L/D	Screw speed (r/min)	Power (kw)	Torque(NM)	Specific (T/A3)	Capacity
PHTTE-25	26	32-60	Max-600	11	87	8.1	DOM
PHTTE-35	35.6	32-68	Max-900	45	229	8.5	DOM
PHTTE-40	41	32-68	Max-900	55	344	8.8	DOM
PHTTE-51	51.4	32-68	Max-900	132	688	8.6	DOM
PHTTE-65	62.4	32-68	Max-900	200	1222	8.7	DOM
PHTTE-75	71	32-68	Max-900	350	1910	8.6	DOM
PHTTE-85	81	32-68	Max-900	500	2674	8.9	DOM
PHTTE-95	93	32-68	Max-900	700	4202	8.8	DOM
PHTTE-135	133	32-68	Max-600	1450	11340	8.9	DOM

Minimum speed =300, MAX=Maximum, DOM=Depend on material

Special Features

- Screw element and screw shaft is made of best allow steel specially imported from Taiwan.
- The screw design is specially design for specific compounding and product.
- Main motor is of standard company such as ABB/ BB.
- High torque gear box is installed for longer life & safety clutch is provided to protect the gearbox.
- Feeding option by using force feeder, volumatic feeder is available which can be easily used to process special addiatives.
- Heating is provided by best quality of heaters, option of infra red heater is also available for power consumption.
- Option available for stand , water ring and die face cutting.
- Natural vent & vacuum pump removes all impurity and enhance the quality.
- Electric cabin is having AC drives of standard company such as DANFORCE/DELTA. MCB of SIMENS/SCHNIDER. We also install air conditioner in cabin to protect drives from over heating.

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Twin Screw EXTRUDER

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PPLAST Advance Series Twin Screw Extruder



TECHNICAL SPECIFICATION

Model	Diameter (MM)	L/D	Screw speed (r/min)	Power(kw)	Torque Grade	Capacity
PATE-52	51.4	32-68	1200	200	840	DOM
PATE-65	62.5	32-68	1200	400	1528	DOM
PATE-75	71	32-68	1200	500	2419	DOM
PATE-95	93	32-68	1200	1200	5160	DOM
PATE-135	133	32-68	1200	2950	14320	DOM

Special Features

- Screw element and screw shaft is made of best alloy steel specially imported from Taiwan.
- The screw design is specially design for specific compounding and product.
- Main motor is of standard company such as ABB/ BB.
- High torque gear box is installed for longer life & safety clutch is provided to protect the gearbox.
- Feeding option by using force feeder, volumatic feeder is available which can be easily used to process special additives.
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Single Screw **EXTRUDER**

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Single Screw Extruder For Engineering Plastic & Recycling



TECHNICAL SPECIFICATION

MODEL	DIE (mm)	MOTOR (HP)	PRODUCTION
PPE-250-350	90/100	40-50	DOM
PPE-450-750	125	50-75	DOM
PPE-800-1000	150	100-125	DOM
PPE-1000-1600	180	125-150-200	DOM

DOM = Depends on material

Special Features

- Option available for force feeder or volumetric feeder for the filling of material into the extruder.
- The screw design can perform maximum application so, the machine is suitable for production of various polymers.
- We installed heavy duty gear box of standard company for long life.
- We installed best quality of heaters for barrel heating & installed best quality of blower specially designed by us for heat controlling. The heating is controlled by two method one by air blower another one by water cooling operation.
- Our barrel and screw is make of standard quality of nitride steel and it also goes under nitride process for ach the hardness of 60-67HRC.
- Option of air/stand/water ring die face cutter is available on same machine.
- Electric control cabin is equipped with standard selection of sensors, timer , switch gears , for better and smooth performance of machine.

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Our Satisfied
CUSTOMERS

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REYNOBOND
COMPOSITE PANELS



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Other
PRODUCTS

Offer By Us

- Screen Changer
- High Speed Industrial Mixer
- Vibro Shifter
- Screw And Barrel
- Water Separator / Centrifugal Dryer
- Recycling Machine Line
- Dry Cut Stand Pelletizer
- Spare Parts Related To Machine

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**For More Details
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