



**Vishwakarma**  
ROTO PLAST



**Vishwakarma roto plast** has been established and led by visionary technical leader Mr. Arjun Kataliya and Suresh Panchal, who has over ten years of extensive and really professional expertise in the plastics machine building industry. He has a thorough understanding of engineering methods, standards, and an automated system-oriented work culture. Our committed staff provides clients with high-quality goods and services.

With an equal focus on client happiness, our team works to consistently improve product performance.

We run our current activities out of well-organized facilities in Gujarat's rapidly rising industrial zone, which is close to Ahmedabad. Gujarat is a model state for the nation due to its impressive industrial and infrastructure expansion. In the near future, we intend to expand our business on a much larger scale.



# WE ARE HERE



Vishwakarma Roto Plast is a premier India-based manufacturer specializing in high-performance rotational molding machinery. With a strong focus on precision engineering and technological innovation, the company provides robust, energy-efficient solutions designed to meet the rigorous demands of the modern plastics industry. Serving both domestic and international markets, Vishwakarma Roto Plast has built a global reputation for excellence, delivering reliable machinery and exceptional craftsmanship that empowers businesses worldwide to achieve superior manufacturing efficiency.

**GLOBAL REACH**

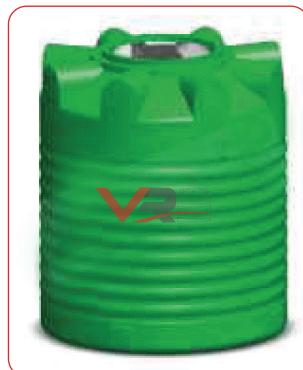
**INNOVATION**

**VERSATILITY**

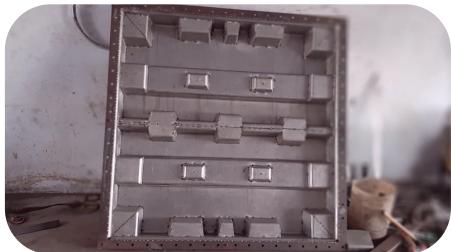
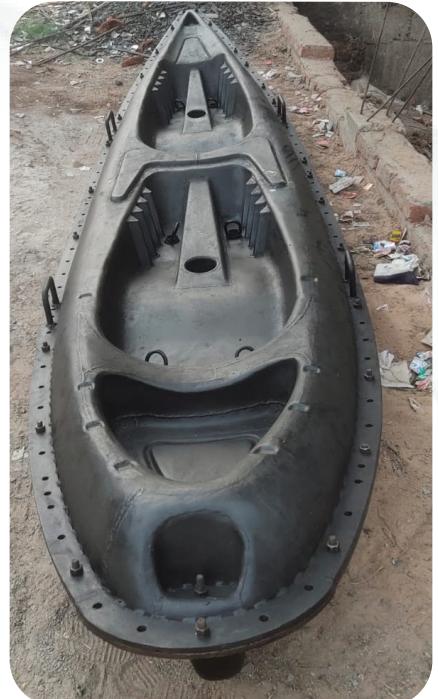
# ARTICLE PRODUCTS



## S.S. CVT Vertical Mould



# ARTICLE MOULDS



# VR-CAPSULE TYPE BOX ROTOMOULDING MACHINE

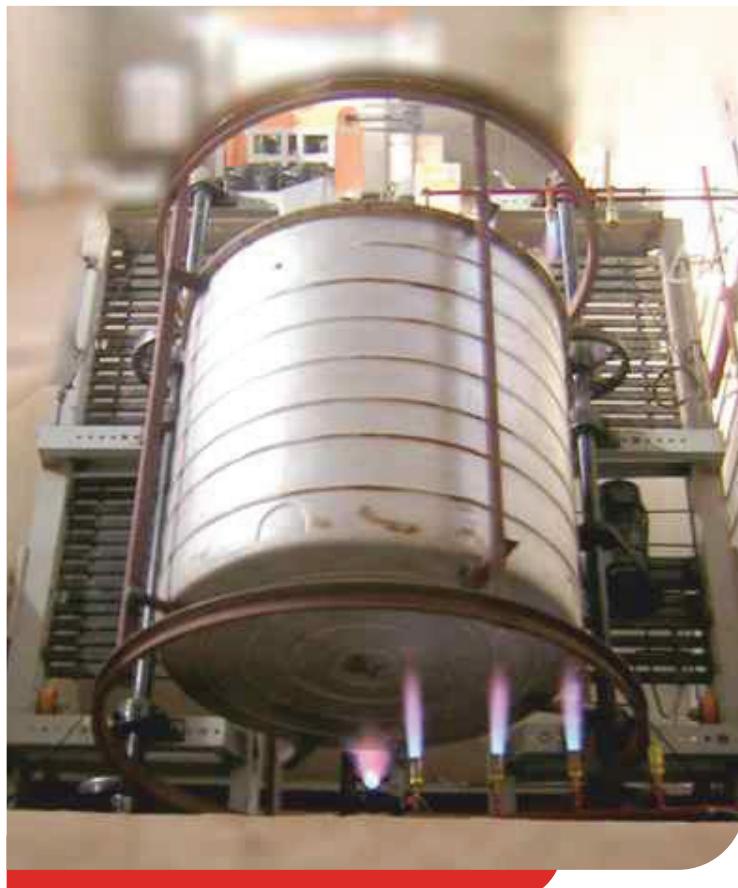


## Machine Specification

Machine capacity	up to 5000 litter (300x4,500x4,750x2,1000x2,1500x1,1200x1,1500x1)
Production Per 12 hour	40 minutes required for 3-layer tank production. 500 litter 4 tanks or 1000 litter 2 tanks 1500 litter 1 tank or 2000 litter 1 tank 3000 litter 1 tank or 5000 litter 1 tank
Total Cycle time	30 min for double layer tank
Production Per Day	36000 litter of 3 layer tanks, 54 tank( 500 litter 36 tank & 1000 litter 18 tanks )
Electrical Load	3hp
Fuel Consumption	Lpg gas fired (3.5 kg per cycle)
Processing Temperature	210 c -250 c
Manpower Required	2 semi-skilled + 1 operator -
Pit Size	length - 14ft, width - 11ft, depth - 7 ft

- Low gas consumption i.e. 3 to 3.5 kg per round
- Oven Inside S.S Sheet and Outside M.S Sheet with Rib Used Two Hydraulic Cylinder For Sea-saw Movement
- In House Designed and Manufactured Hydraulic Power Pack
- Wall Thickness 75 MM, Insulation Covered By 25 MM Seal Wool And 50 Mm Rockwool Seal Wool -1250 C / Density 60- Rock Wool -400 C/density 60
- Heavy Duty Design for Hinge & Drive Shaft Pedestal High Temperature Bearing Used For Mold Rotation Industrial Grinded Lpg Supply Pips
- Hydraulic Door Opening
- 50c Inclination at Both Side with Degree Adjustment User Friendly Designed Electrical Control Panel

# RNR OPEN FLAME ROCK N ROLL MACHINE

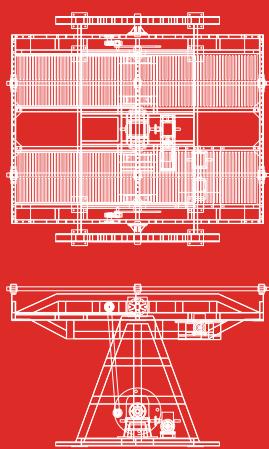


## FEATURES :

- PLC CONTROLLED OPERATION (OPTIONAL)
- Rocking with hydraulic system for low power and smooth operation.
- Old, proven, simple concept of operation.
- Total process visual, easy operation, higher production, most economical concept.
- Most recommended, suitable machine for low cost production especially big, hollow and cylindrical products.
- Most Economical machine to produce 3000 to 40,000 Ltrs tanks.
- Faster payback period especially in bigger size tanks / products.
- Elect panel with all digital meters / displays, all features and interlocking.
- Special roto articles like septic tanks, boats or any long and cylindrical shaped can be produced in RNR.
- Most preferred machine as START UP project due to low cost and low investment.

## APPLICATION :

- For large size tanks like 3000 to 40,000 Ltrs / 10,000 USG and large size simple and cylindrical roto articles.
- START UP project due to low cost.



## TECHNICAL SPECIFICATION:

Particular.	Unit	Model			
		ROTOR-5000	ROTOR-10000	ROTOR-25000	ROTOR-40,000
Range, Vertical Tanks,	Ltr	200-5000	500-10,000	500-25000	500-35000
Frame size, L x W	Mtr	3.5 x 2.2	5 x 3	6 x 4	6.5 x 4
Pit size, L x W x Depth	Mtr	4.5 x 3 x 2.2	6x3.5x 2.8	7x 4.5x 3	7x 4.5 x 3.5
No of Burners,	Nos	22	28	34	42
Rocking Motor AC	HP	5	10	15	20
Rolling motor AC (Drive)	HP	3	5	10	10
Total Load	HP	11	19	34	39



## ROTO 1

### SINGLE ARM BI AXIAL MACHINE

#### FEATURES :

- Low capital Investment ; best for startup project.
- Minimum overheads charges due to less space & Automatic operation
- Low cost machine to produce best quality 2/3/4 layer tanks with minimum weights.
- Excellent quality multilayer tanks possible.
- Any type of rotomolded products can be produced at low investment Faster ROI. Due to low investment, low running cost, less space.
- Unskilled operator can run machine.
- Less rejection rate.
- Low power, low fuel consumption cost.
- Most suitable machine to produce even Bigger size tanks.



#### APPLICATION :

- For large size tanks like 3000 to 40,000 Ltrs / 10,000 USG and large size simple and cylindrical roto articles.
- START UP project due to low cost.



#### TECHNICAL SPECIFICATION:

Particular.	Unit	Model			
		ROTO1-1000X2	ROTO1-1000x4	ROTO1-2000x2	ROTO1-3000
No of srtaright arm	NO	1	1		1 U arm
Fuel		Diesel	Diesel	Diesel	Diesel
Fuel consumption	Ltr/ cycle	5	8 to 9	10 to 11	8 to 9
No cycle / day	NO	18 to 20	16 to 18	16 to 18	14 to 16
No tanks / cycle	Ltrs	1000x2 / 500x4	1000x4, 750x4/ 500x4	1500x2 / 2000x2	1500/ 2000 / or 3000x1
Cooling		Air	Air	Air	Air
Elect. Load	HP	8	11	12	9
Space reqd (L x B x H )	Mtr	7.5 x 5.5 x 5	9 x 5 x 6.50	8 x 6 x 6	6 x 5 x 5

## ROTO 4

### FOUR ARM BI AXIAL MACHINE

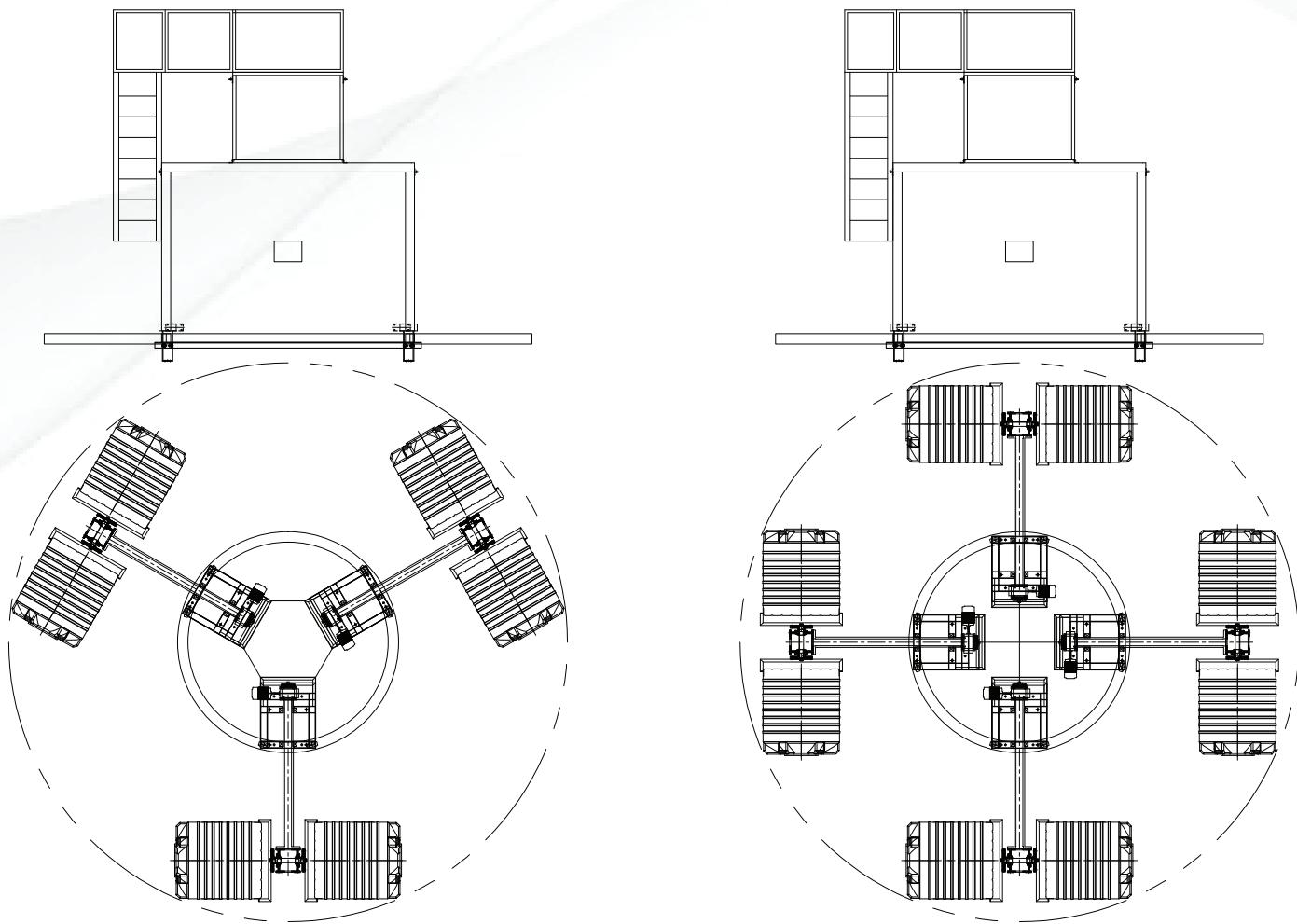


#### FEATURES :

- Faster production due to 3/ 4 arms design.
- Advantages of producing all tanks sizes/mix simultaneously.
- Microprocessor based PLC controlled (Optional ) operation.
- Unique and precisely designed Oven chamber for efficient transfer in to molds and reduce cycle time.
- Unique special seal between doors and oven body to prevent heat losses.
- Facility to produce 3 / 4 layer and foam tanks. Facility and controls provided for Molds positioning.
- Over all smooth operation, silent, easy and faster production at reduced wastage.
- Facility for interchangeability of arms Advance and most preferred concept for best quality tanks production at lowest operating cost hence faster payback.
- Advantage of production of all types of rotomolding items in same machine. Machine control and operation with all safety features, interlocking, audio and visual alarm systems provided.



# SCHEMATIC DIAGRAM



## TECHNICAL SPECIFICATION:

Particular	Unit	Model			
		ROTO4-1000X2	ROTO4-2000	ROTO4-5000	ROTO4-10000
No OF Arms	NO	4 straight	3 str. +1 L	3 str. +1 L	3 str. +1 L
Maxi. Tank size	Ltr	1000x2 / 500 x 4	1000x2 / 2000x1	1500x2, / 5000x1	10,000x1
Fuel :		Diesel / LPG	Diesel / LPG	Diesel / LPG	Diesel / LPG
Total load	hp	31	33	48	72
Dimensions (l x b x h)	Mtr	13 x 11 x 6	13.50 x 11 x 6	17 x 13 x 6	18 x 15 x 8



## VRD PLASTICS SCRAP GRINDER

### FEATURES :

- Robust & Heavy steel construction body,
- Operation at less vibration.
- Long lasting & maintenance free operation.
- Higher output at low power consumption.
- Easy removal of screen for cleaning.
- Wide range of models for better selection.
- Rotory knives designed with scissors cut action and effective cutting angle to ensure effective grinding.
- Grinding knives are made from special alloy steel and hardened for longer life with easy adjustment facility.
- Side feeding attachment for pipes and material loading can be offered as optional.
- Grinding screen, top opening ,feeding attachment are designed for easy opening, maintenance and change.
- Special designed Rotor type grinder suitable for grinding of variety of materials including Injection Molded articles, Blow Molded articles, Rotational molded, Pipes, etc.

### APPLICATION :

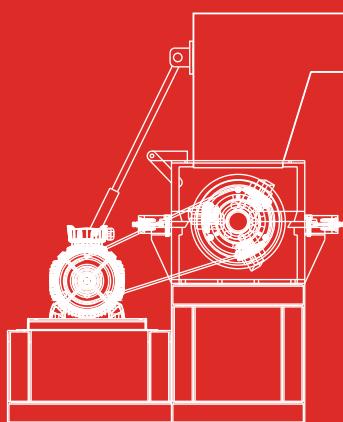
Specially designed for grinding clean waste of following products.

- Blow molded articles like bottles, Jerry cans, drums, jars.etc.
- Injection Molded hollow articles like buckets, baskets, cabinets, etc.
- Rotational Molded Articles, scrap of Plastics tanks.

Pipes from pipes dia 20 mm to 200 mm OD.



### TECHNICAL SPECIFICATION:



PERTICULAR	UNIT	VRD- 12	VRD- 15	VRD - 18	VRD- 24
Length of Blades	mm	300	375	450	600
Suitable to grind Blow, Roto, PVC / PE PIPES,	YES	YES	YES	YES	YES
Throat size	Mm	350 x 425	425 x 475	500 x 550	650 x 700
Grinding motor	Hp	7.50	10.00	20.00	30.00
Grinding capacity	Kgs/hr	100- 120	150 TO 200	250 TO 300	400 TO 500
Floor space in (L X W)	Mtr	1.3 x 1.2	1.6 x 1.40	1.8 x 1.4	2 x 1.50

# VMX

## HIGH SPEED COMPOUNDING MIXER



### FEATURES :

High speed compounding mixer is suitable for homogenized and uniform mixing of polymers with other ingredients to prepare a good quality ready formulation which is used for further process.

### SAILENT FEATURES :

- Robust construction, compact & convenient design.
- Mixing vessel outer jacket is made from 5 mm thick mild steel plate & inner from 2 mm thick S.S plate.
- Temperature sensor & indicator for precise measuring of material temperature.
- Faster mixing with excellent homogenization.
- Powder coated Electrical panel with dust proof construction equipped with Ammeter, Voltmeter, and Temperature Indicator with thermo couple, starter & other necessary electrical equipments.
- All switch gears & inputs of reputed & reliable make.



### TECHNICAL SPECIFICATION:

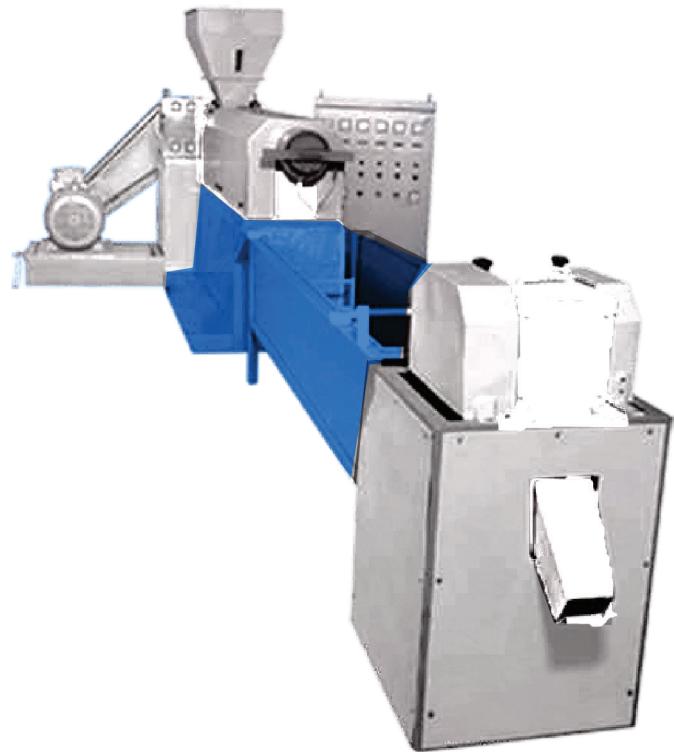
PERTICULAR	UNIT	VMX-150	VMX-200	VMX -300
Motor capacity	kw	11.65	18.25	22.50
Batch Mixing capacity	kgs	30	40	60
Approx production per hour	Kgs/hr	125-150	175-200	275-300
Approx weight	kgs	600	700	900



## VREX EXTRUDER MACHINE FOR COLOURING & COMPOUNDING

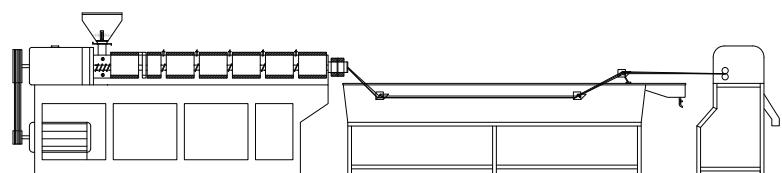
### FEATURES :

- Screw and barrel made from specially alloy steel and duly nitride gardened.
- Pelletiser blades made from special material .
- Helical main gear box with inbuilt thrust bearing housing provided.
- PLC controlled panel & touch screen. (OPTIONAL)
- Heating zones are fully protected and enclosed with covers to prevent heat losses.
- Cold start protection system for the safety of screw, gear box and bearing housing.
- Special design screw and barrel to get best quality and homogeneous melt quality.
- Auto hopper loader for auto granules feeding in hopper. (Optional on request)



### OPTIONAL :

Water chillier / cooling tower, auto hopper loader, PLC controls, and Air knife can be supplied upon customer request.



### TECHNICAL SPECIFICATION:

Perticular	Unit	VREX- 80	VREX-90	VREX- 100	VREX- 110
Screw diameter	mm	80	90	100	110
L/D RATIO	L/D	28 :1	28 :1	28 :1	28 :1
Main Extruder AC motor	kw	15.00	22.25	37.25	45.00
Output in LLDPE Virgin granules.	Kgs/ hr	100 TO 120	150 to 160	200 to 210	250 TO 300
Total load	kw	21.00	30.00	45.00	60.00
Floor space Required : L X B X H IN ft	Feet	25 x 6 x 6	28 x 6 x 6	30 X 6 X 6 ft	35 X 6 X 6 Ft

# DEPV

## ADVANCE PULVERIZER MACHINE

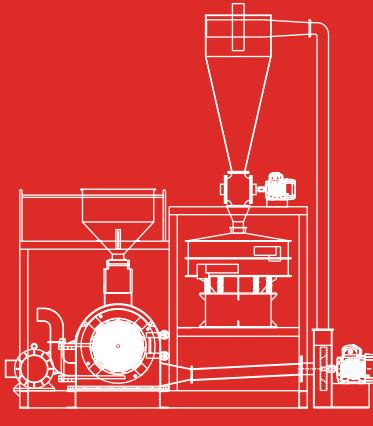


### FEATURES :

Fine Pulverizing system suitable for pulverizing scrap of PVC pipes in to fine powder. The unit is with complete support structure from heavy steel consisting of following assemblies.

- Complete Robust & very sturdy structure for sound & vibration free operation.
- Electromagnetic vibrating feeder for uniform & controlled feeding of material.
- Main Grinding disc of special hardened material & gas Nitride for longer life.
- Effective water cooling system for main mill body, Grinding Disc & Bearing housing.
- Temperature monitoring of Disc Mill & thereby ease of control on feed rate.
- Vibratory screen for effective separation of course & fine particles of pulverized materials.
- Air lock valve assembly with cyclone hopper for effective separation of air & pulverized material.
- High speed blower with motor for efficient suction of grinded material & to convey up to the cyclone system.
- Electrical panel with dust proof construction equipped with reputed make Electrical switch gears & with all necessary controls.
- All components & bought outs parts are of reputed & reliable make.
- Complete machine with superior grade paint with five stage process.

### TECHNICAL SPECIFICATION:



PERTICULARS	UNIT	VEPV-350	VEPV- 400	VEPV- 450
<b>Main Motor AC</b>	Kw	18.25	30.00	37.50
<b>Blower Motor</b>	Kw	2.25	3.65	3.65
<b>Airlock valve</b>	Kw	0.75	0.75	0.75
<b>Vibrating Screen</b>	Kw	0.75	0.75	0.75
<b>Output in LLDPE, LDPE, PVC 20 mesh.</b>	Kgs/hr	100 to 120	150 to 175	200 to 250
<b>Total Load</b>	Kw	22.00	35.15	42.65
<b>Floor space</b>	mm			
<b>Length</b>		2000	2400	3000
<b>Width</b>		1300	1600	2500
<b>Height</b>		3000	3300	4000

— Significant Manufacturing Company & Exporter of —  
Plastic Roto Molding Equipment, Molds, and Supplies.



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