

Precimould

Moulding Machine ACCESSORIES



Website: www.atplonline.in

SDG HOPPER PLASTICS DRYER SERIES

FEATURES:

Even Heat Distribution : High efficiency to save lots of drying time required.
 Accurated Thermo-Control : Very high accuracy assured by excellent controller
 Labor-Saving : Compact in size and easily used.
 Promote the Speed for injection Cycle : Decrease melting time by having the raw material predried and preheated.

SPECIFICATIONS

Model	Capacity	Heat Power	Fan Power	External Dimensions LxWxH in mm	Installation Dimension LxW in mm
SDG-15E	15	2.5kw	0.12kw	580x400x720	110X110
SDG-25E	25	3.9kw	0.12kw	700x400x850	160x160
SDG-50E	50	5kw	0.18kw	850x500x950	160x160
SDG-75E	75	6kw	0.18kw	880x580x1040	160x160
SDG-100E	100	6.5kw	0.30kw	1000x650x1250	200x200
SDG-150E	150	8kw	0.30kw	1050x750x1330	200x200
SDG-200E	200	11kw	0.40kw	1150x800x1550	230x230
SDG-300E	300	13kw	0.40kw	1250x880x1600	230x230
SDG-400E	400	18kw	0.50kw	1400x950x1650	280x280
SDG-500E	500	18kw	0.50kw	1400x950x1760	280x280
SDG-600E	600	22kw	0.60kw	1600x1120x2000	280x280
SDG-800E	800	22kw	0.60kw	1800x1200x2300	320x320
SDG-1000E	1000	27kw	0.80kw	1800x1200x2600	320x320



Dryer



Base of Magnetic Rack
(Optional)



Dust Collector
(Optional)

GIANT & EURO

FEATURES:

- Features of 1000-3000kg giant hopper dryers.
- Double layer construction for heat preservation and power saving with elegant appearance
- Downward blowing and circumfluent hot-air assures even drying and high efficiency.
- Contacting parts made of stainless steel to assure purity of material. Airtight door for easy cleaning.
- P.I.D for accurate temperature controlling.
- High-temperature protective devices for safety.

Model	Capacity	Heat Power	Fan Power	External Dimensions LxWxH in mm	Installation Dimension LxW in mm
ZF-100	100	6.5	246	101x70x141	18x18xØ8
ZF-150	150	9	350	110x74x170	20x20xØ8.8
ZF-200	200	12	350	118x84x176	23x23xØ11.5
ZF-300	300	15	400	142x100x183	27.5x27.5xØ12
ZF-400	400	15	400	148x106x202	27.5x27.5xØ12
ZF-600	600	20	1000	158x116x240	28x28xØ13.5
ZF-800	800	30	2200	177x118x254	28x28xØ13.5
ZF-1000	1000	40.8	1100	1470x1920x3280	-
ZF-1500	1500	51	1500	1540x2000x4030	-
ZF-2000	2000	61	3000	2400x1890x4100	-
ZF-3000	3000	68	4000	2500x1990x4680	-



We can produce various specifications according to customer demands.
 We reserve the right to change specifications without prior notice

HONEYCLE

The machine adopts PID temperature controller system and 24 hour timer for auto start-up operation. It can adjust the rotating speed of honeycomb wheel. There are protection for motor overload and reverse phase. The dried air can reach a dew-point up to -60°C; It is a perfect device for processing plastic products.



Specifications :

Models of single type, 2 in /type, 3 in/type available

Model	ZDD-90L/80A	ZDD-120L/80A	ZDD-160L/130A	ZDD-230L/160A	ZDD-300L/220A	ZDD-450L/300A
Material Hopper Capacity(L)	90	120	160	230	300	450
Hopper Heat protection material			Fiberglass			
Dry-Air Dew point			40°C			
Temperature(C)			80-160			
Air Flow(m/h)	80	80	130	160	220	300
Blower Power(Kw)	0.75	0.75	1.1	1.5	2.2	3
Regeneration Blower(Kw)	0.25	0.25	0.25	0.55	0.55	0.75
Drum Heater(KW)	3.9	6	6	7.2	12	15
Regeneration Heater(Kw)	3.9	3.9	3.9	5.4	5.4	7.2
Pipe Sizes Drying(mm)	51	51	51	63	63	76
Pipe Sizes Cooling(inch)			3/4"			
Pipe Sizes Regeneration(mm)	38	38	38	51	51	63
Conveying Blower(Kw)	1.1	1.1	1.1	1.5	1.5	1.5
Conveying Distance(mm) Stage 1			10			
Conveying Distance(mm) Stage 2			10			
Hose Sizes(inch)			1.5			
Sensor Hopper Capacity(L)	6	6	12	12	12	12
Vacuum Hopper Capacity(L)	6	6	12	12	12	12
Dimensions HxWxL(L)	180x100x87	180x100x87	180x100x87	225x165x125	225x165x130	290x150x130

FEEDING AND CONVEYING

HAL VACUUM AUTOLOADER



Hopper of deposit Material

FEATURES:

- Material hopper separates with main controller. Safer and more convenient
- With isolated filter, it is easy to clean
- It is equipped with the special device to reduce the working noise
- Material hopper is made of stainless steel, light and durable
- Separately - designed control chest is operated by micro computer It is equipped with motor auto protection device
- Warning device works automatically when lacking material
- Dust-removing device can be installed specially



300 Style



300 European Style

Main specifications of auto-loader

Model	Motor Specification	Conveying Capacity	Material Hopper Volume	Conveying Tube L.D	External Dimensions Main Controller	External Dimensions Material Hopper	Conveying Height
HAL-300G	1200W1Ø	300kg/h	6L	Ø38mm	260x360x400	530x360x260	4-5m
HAL-700G	1200W1Ø	350kg/h	6L	Ø38mm	400x400x500	530x360x260	4-5m
ZF-300	1200W1Ø	300kg/h	6L	Ø38mm	260x300x450	530x360x260	4-5m

Motor Type : Carbon Brush / 220V

HAL VACUUM AUTOLOADER

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- Separately - designed control chest is operated by micro computer It is equipped with motor auto protection device
- Warning device works automatically when lacking material
- Motor can rotate anti-clockwise to get rid of dust



Electrical Eyes for material Exit



700 Style, 800 Style, 900 Style

Main specifications of auto-loader

Model	Motor Specification	Conveying Capacity	Material Hopper Volume	Conveying Tube L.D	External Dimensions Main Controller	External Dimensions Material Hopper	Conveying Height
HAL-700	1100W	350kg/h	7.5L	Ø38mm	500x400x400	530x360x260	4-5m
HAL-800	1500W	350kg/h	7.5L	Ø38mm	500x400x600	530x360x260	6-8m
HAL-800G	1500W	550kg/h	7.5L	Ø38mm	500x400x600	560x360x300	6-8m
HAL-900	2200W	580kg/h	12L	Ø51 mm	520x450x650	560x360x300	6-12m
HAL-1000	3000W	1000kg/h	12L	Ø51 mm	520x450x650	730x360x300	6-12m
HAL-1000G	5500W	1200kg/h	38L	Ø51 mm	520x450x650	730x360x300	20m

Motor Type : Induction / 220V

FEEDING AND CONVEYING

HAL-800-PA/3 VACUUM POWDER AUTOLOADER

This machine can avoid dust in materials conveying, to make the workshop clean. it is suitable to convey Powder. Pellet which the specific gravity is 0.5g-2.2g/cm²

The part of machine which contacts with materials is made of stainless steel, to make materials clean and unpolluted. It is controlled by microcomputer to realize automatically work, and it can be chosen by hand operation.



Main controller



Hopper of deposit material

Specifications

Model	Motor Specification	Conveying Capacity	Material Hopper Volume	Conveying Tube L.D	External Dimensions Main Controller	External Dimensions Material Hopper	Conveying Height	Absorption time (s)
HAL-800G2-PA	2HP 3Ø	380kg/h	7.5L	Ø38mm	70x48x111	52x35x79	4/2m	20
HAL-800G2-P	2HP 3Ø	600kg/h	18L	Ø38mm	70x48x111	52x35x103	4/2m	40
HAL-3HP-PA	3HP 3Ø	700kg/h	25L	Ø51 mm	70x48x116	52x35x103	5/2m	20
HAL-3HP-PB	3HP 3Ø	800kg/h	45L	Ø51 mm	70x48x116	52x35x138	5/2m	40

Motor Type : Induction / 220V

SCREW TYPE POWDER AUTOLOADER



Height 2.6m / 3.1 meter

Models : ZF-240, ZF-260, ZF-280, ZF-310

Features and Functions:

Screw type Power Auto loader is an ancillary equipment for feeding powder and granules.

This machine can convey the powder and granules into the hopper automatically. The machine is made of Stainless steel which makes the plastics materials to avoid the pollution completely and is without any foreign matters during the conveying process. This machine is applicable to all types of plastics materials including calcium carbonate, soft chlorine and color granules mixed with oil. The conveying capacity can reach 50kgs per minute.

Safe & convenient operation and the machine's move function to avoid the artificial feeding troubles that make the feeding job to be as more safe, time-saving and energy-saving.

The height can be made according to customer's requirement

MIXERS

VKG SERIES MIXER



Vertical style



Vertical style 300E

Characteristic:

- The tank and agitating blades are made of stainless steel. And the agitating blades can be easily removed for cleaning
- Airproofed, large capacity, and simple operation.
- It is driven by motor directly, not easy to glide, high speed of mixing, labour saving, and high efficiency for mixing



Recline style



High-speed
drying mixer

MAIN TECHNICAL PARAMETERS:

Model	Motor power	Mixing capacity	Mechanism size (L xW xH in mm)
VKG-25E	0.75 kw	25kg	670x550x900
VKG-50E	1.5 kw	50kg	700x750x1100
VKG-100E	3 kw	100kg	850x950x1250
VKG-150E	4 kw	150kg	950x1100x1300
VKG-200E	5.5 kw	200kg	1050 x1200x1380
VKG-300E	7.5 kw	300kg	1350x1350x1450
RECLINING VKG-100E	2.2 kw	100kg	1290x830x1150
RECLINING VKG-200E	4 kw	200kg	1430x1230x1440
RECLINING VKG-300E	5.5 kw	300kg	1550x1350x1540
RECLINING VKG-500E	7.5 kw	500kg	1650x1400x1600
HIGH SPEED DRYING-MIXER-50E	7.5 kw-11 kw	50kg	1150x850x1100
HIGH SPEED DRYING-MIXER-100E	11 kw-15 kw	100kg	1480x900x1400
HIGH SPEED DRYING-MIXER-150E	22 kw	150kg	1600x980x1550
HIGH SPEED DRYING-MIXER-200E	30 kw	200kg	1680x990x1550

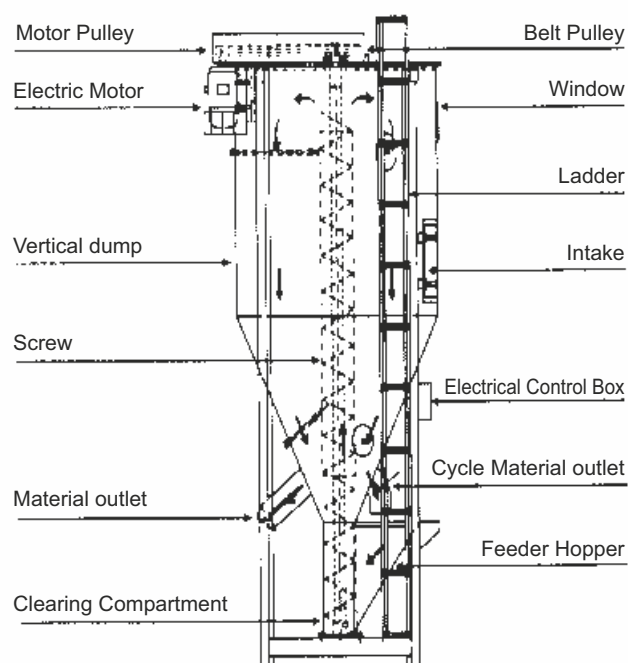
MIXERS

VERTICAL MIXER SERIES (screw style)

Helical circular mixture, fast and equal stirring.

Suitable for all kind of plastic raw material & color.

Fully stainless steel contacting parts, rust free & easy to clean. Installed with power control device to ensure safety.



Working principle

The ZF series vertical are able to perform even mixture for large volume of material in short mixing time by utilizing the paddles rotation to gather the material from the bottom of dump center to the top, shed the material flow back to the bottom and complete the mixing function in short period time.

SPECIFICATIONS

Model	Power (Kw)	Power (HP)	Capacity (kg)	Dimensions (cm)	Rotating Speed (r/min)
ZF-500	3	4	500	0110x220	300
ZF-1000	4	5.5	1000	0158x310	300
ZF-2000	5.5	7.5	2000	0189x347	300
ZF-3000	5.5	7.5	3000	0210x375	350
ZF-5000	11	15	5000	0243x435	350
ZF-7000	11	15	7000	0270x470	350
ZF-8000	11	15	8000	0275x495	350
ZF-10000	11	15	10000	0290x525	350

HEATING AND COOLING

THERMAL

NEW TYPE OIL / WATER THERMAL CONTROLLER

Oil type thermal controller of ZHENFEI series includes standard style and high temperature style, can be used heating mould and keep temperature

- The temperature can be controlled $\pm 3^{\circ}$
- Adopt high efficiency pump, good pressure and steady It can find out the problem automatically and showed by alarm when there is breakdown
- It is convenient to be repaired and dismantled
- The heating pipe is made of stainless steel
- The temperature of standard style can reach 200°C, and 300°C for high temperature style



MODEL	MX-6W	MX-9W	MX-12W	MX-60W	MX-90W	MX-120W
PUMP (KW)	0.37	0.75	0.75	0.37	0.37	0.75
DISCHARGE L/MIN	60	85	95	40	60	60
HEATER POWER	6KW	9KW	12KW/18KW/24KW	6KW	9KW	12KW
MEDIUM		WATER			OIL	
MAXIMUM TEMP.		98°C			120°C or 180°C	
DIMENSION LXWXH	365x560x590	365x560x590	460x660x850	365x560x590	460x660x850	460x660x850

*All specifications and design are subject to changes without prior notice.

INDUSTRIAL CHILLER

Water Cooled, Air Cooled & Screw Type



Chiller Screw Type



Water Cooled



Air Cooled

It is mainly used in plastic industry, it can exactly control the temperature of mould of all kinds for plastic process, shorten period of injection, improve quality of products. Make the product not shrink, high transparent, and surface is smooth and clean, it applies to electroplate industry, electronic manufacture, rinse industry, ultrasonic-machinery etc, it is operated easily, good quality and design. It is not short of equipment in modern industry.

Adopt new design compressor of America and Europe and pump of Italy, quietly, cost saving durable. Allocate the computer temperature controller, can control $+3$ to $+50^{\circ}\text{C}$ of inside accurately. There are brand-new condenser designed alone, and the radiator, it is specially good to transfer heat efficiently. There are putting type of stainless steel jars, it is convenient and swift to wash maintenance. This machine combines to pack to have the electric current to carry to protect high low pressure make and computer delay the time etc, safely device-, When the breakdown occurs, immediately give an alarm display the reason of breakdown.

SPECIFICATIONS

Model	Refrigeration capacity btu/kcal	Water tank capacity	Waterpump power/flow	Mechanism size L x W x H in mm	Power
ZF-5HP	12900	40L	0.75KW/70L/MIN	880x570x890	5.5KW
ZF-10HP	26230	65L	1.5KW/280UMIN	1200x800x1140	12KW
ZF-15HP	38700	115L	2.2KW/6000M1N	1700x850x1420	17.5KW
ZF-20HP	52460	140L	4KW/750L/MIN	1910x990x1520	24KW
ZF-30HP	79120	150L	4KW/750UMIN	2400x1350x1500	34KW
ZF-40HP	104920	180L	5.5KW/750/MIN	2600x1350x1600	45.5KW

* Chiller models over 20HP can be made specially according to customers' requirements

GRANULATING AND RECYCLING

ZF-16/20 MIDDLE SPEED RECYCLE CRUSHER

LOW SPEED RECYCLE CRUSHER

- ZF-16/20 series low speed recycle crusher, is suitable to crush small and undesirable products of forming machine, low rotating speed, low noise, little dust, easy operating.
- The materials entrance has magnetic-iron, can absorb iron pieces in materials.
- The crusher is small and has wheels, can be moved easily. Good design for repairing and dismantled
- We have V-4E and ASP-23 of blades for customers.
- Low rotating speed and sound-proofing design make the noise of crushing low.
- High safety standard design is suitable for European standard.



Claw blade

MAIN TECHNICAL PARAMETERS:

Model	Electromotor Power (Kw)	Main Axis Rotating Speed (r.p.m.)	Blade Material	Fixed Blade (pcs.)	Rotary Blade (pcs.)	Chamber size (mm)	Mill Ability (Kg/h)	Crushing Noise dB(A)	Mesh (mm)
ZF-16/28	2.2(1.5)	195(190)	SKD-11	2x1	3x4	160x280	50(45)	82-86	Ø5
ZF- 16/35	2.2(3.0)	195(290)	SKD-11	2x2	3x5	160x350	60(75)	82-86	Ø5

PC SERIES STRONG CRUSHER

FEATURES

- All structure is made by steel. Substantial and durable, it won't affect its capability for smashing matter long term.
- Can bear a heavy load, prevent oil leakage and noise from processing, no vibration during processing and make sure products are not polluted by oil.
- A safety protection system connecting between power and motor to prevent overload, enclose with safe pad to prevent cleaning knife in safety position. Modulation on knife stretch in and out, a blunt knife can be polished and keep using for a long time.
- Mill soft and hard plastic easily.
- Separate design for plastic tank, crusher and filter net, easy for cleaning.
- Sliding wheel on stand for moving easily.



Rotary and Fixed blade



Bearing Pedestal



Main Axes



Crusher PC180-1200 series

Main technical parameters:

Model	Crusher's caliber	Mill Ability (kg/h)	Electromotor Power(kw)	Fixed Blade (pcs)	Rotary Blade (pcs)	Machine Dimension LxWxH
PC-180	190x140	30-80	2.2	2	9	700x520x900
PC-230	230x220	50-110	4	2	6	960x650x1020
PC-300	300x220	100-250	5.5	2	9	1110x720x1130
PC-400	400x250	200-450	7.5	2	12	1200x850x1280
PC-500	500x290	360-720	11	2	15	1300x100N1520
PC-600	600x340	450-800	15	4	18	1500x1150x1750
PC-800	800x500	800-1000	22/30	4	24	2000x1250x2100
PC-1000	980x500	1000-1500	37/45	4	30	2100x1500x2500
PC-1000	980x650	1000-1400	45/55	4	15x2	2100x1570x2500
PC-1200	1200x650	1500	55	4	12x3	2500x1770x3000

STRONG CRUSHER

ZF HEAVY BLOCK CRUSHER

The heavy block crusher is cast-iron and durable, especially for plastic blocks. The perfect design and installation of bearings, blades and axes insure longer work life of crusher. Different blades covers for different plastic materials, shapes.

It would be better to crush plastic blocks two times, with bigger holes filters for the first time, smaller holes filters for the second time, thus crusher works in high efficiency.



Automatic Recycling Device



Heavy duty block crusher

Main technical parameters:

Model	Crusher's caliber	Mill Ability (kg/h)	Electromotor Power(kw)	Fixed Blade (pcs)	Rotary Blade (pcs)	Machine Dimension LxWxH
ZF-22/30	425x400	550-800	22/30	2	3	2100x850x2000
ZF-37/45	630x510	800-1000	37/45	4	6	1950x1550x2350
ZF-45/55	800x510	1000-1500	45/55	4	6	1950x1750x2500
ZF-75/880	1000x660	2000-3000	75/90	4	6	2100x1950x3000

Best quality SKD-11 blades are available to extend the Crusher's service life.

LOW SPEED-SOUND PROOF RECYCLE CRUSHER

1. Low speed-sound proof recycle crusher
2. Motor from Taiwan or Sumitomo
3. Timer, over-heating protection
4. CY12 mov of blade material

MODEL	ZF-230	ZF-315
Power	1.1 Kw	1.5 Kw
Fixed blade	3	3
Rotary blade	2	2
Crushing chamber size	310x230mm	315x315mm
Machine size	900x450x1300mm	1100x500x1 550mm



STRONG CRUSHER

PCE SMASH - AUTO RECYCLE MACHINE



Vertical style

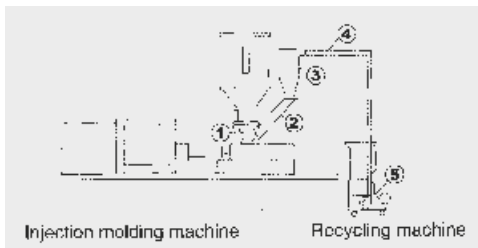


Recline style

FEATURES:

1. Machine equipped with automatic loader and material Prorating valve, can used to reclaim used material at once. The wasters will be crushed, an sent to the molding machine. Minimize waste is guarantee.
2. Used materials don't pass the secondly drying procedure and don't change its color. Directly feeding thus make the environment clean and economic.

Type	PCE-180	PCE-240	PCE-300
Motor Power	1.1kw	1.5kw	2.2kw
Material inlet	180x200mm	215x240mm	260x300mm
Max recycling Capacity	100(g)/10(s)	200(8)/10(s)	250(g)/10(s)
Machine Dimension	850x580x620mm	940x580x620mm	1450x600x700mm
Net Weight	100kg	150kg	220kg



STRUCTURE DIAGRAM

- Mixed filling base
- Down loading material tube
- Revolving separating machine
- Feeding material tube
- Material crushed and feeded tube

STRONG CRUSHER



Base of
Magnetic Rack



Dust Collector



Magnetic Rack



Hopper of
deposit Material



Frame



Dryer Heater



Iron Frame



Hopper of
deposit Material



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