

PIONEER OF MOLD RACKS IN INDIA



MANUFACTURER OF AUXILIARY EQUIPMENT FOR PLASTIC INDUSTRY

C-29, Hariom Estate, B/h. Vishala Estate, Kathawada Ring Road,
Ahmedabad. (Gujarat) INDIA.
Mobile No. : +91 - 94220 27666
E-mail : narendra@ravienmair.com
Website : www.ravienmair.com



RAVI ENMAIR
ENGINEERING & AUTOMATION LLP

www.ravienmair.com



PRODUCT INDEX

<u>Products</u>	<u>Page No.</u>
Robots & Conveyor	01
Granulators	06
Shredders	09
Mixers	15
Mold Rack	17
Mold Temperature Controller	18
Hopper Dryer	19
Dehumidifier	20
Auto Loader	24
Vibrating Screener	25
Doszer & Mixer	27
Proportional Valve	27
Air Cooled Chiller	28
Mold Clamp	29
Water Manifold	30
Levelling Pads	31
All Metal Separator	32
Linear Vibrating Feeder	33

SPRUE PICKER

ER-550/650/750/850(V)

Sprue Picker

Suitable for 50-250TON I.M.M.

- The parts introduced the complete module production, high tension aluminum alloy precise Casting models.
- The pick arm are introduced by extruded high tension aluminum alloy. It provides high stability, constantly. Bear to whet and long life.
- We incorporate world famous brands as standard components in to our products. Such as SMC from Japan. RUBS High-speed Pneumatic Cylinders, LEGRIS contrails from France, PISCO Precision Adjustors and Connectors from Japan.
- The introduction of our patent Grip Technology System's for plastic parts with more stability and safety. Used for Molded Parts and automation, it's easy for adjustment between mould changes and is suitable far the narrow mould spaces.



ER-550/650/750/850PR

Double Arm Sprue Picker

Suitable for 50-250TON I.M.M.

- The parts introduced the complete module production, high tension aluminum alloy precise Casting models.
- The pick arm are introduced by extruded high tension aluminum alloy. It provides high stability, constantly. Bear to whet and long life.
- We incorporate world famous brands as standard components in to our products. Such as SMC from Japan. RUBS High-speed Pneumatic Cylinders, LEGRIS contrails from France, PISCO Precision Adjustors and Connectors from Japan.
- The introduction of our patent Grip Technology System's for plastic parts with more stability and safety. Used for Molded Parts and automation, it's easy for adjustment between mould changes and is suitable far the narrow mould spaces.





EV-450/550/650

Specific arm for vertical plastic injection molding machine

Suitable for 120–200TON I.M.M.

- Special arm for vertical molding machine, suitable for remove runne and sprue in full auto operation.
- Applicable on rotating and sliding vertical injection molding machine.
- It provides constantly and productivities production process.

Main Specification

UNIT Model	Type	I.M.M.Range ton	Stroke		Swing angle °	Gripper angle °	Max load (includes gripper) kg	Minimum take out time sec	Dry cycle time (Without gripper) sec	Drive System	Working Air Pressure kgf/cm ²	Air Consumption NL/cycle	Power Supply								
			Vertical mm	Crosswise mm																	
ER-550(V)	Single-stage	50~150	550	125	50~90	90	3	1	4.0	air pressure	5~7	7.5	AC220 ± 10% (50HZ)								
ER-650(V)		100~180	650	125										1	4.2	7.6					
ER-750(V)		150~200	750	170										1	4.2	7.7					
ER-850(V)		180~250	850	170										1	4.4	7.8					
ER-550PR		50~150	P:550 R:550	P:170 R:120										1	4.3	11.5					
ER-650PR		100~180	P:650 R:650	P:170 R:120										1	4.8	11.5					
ER-750PR		150~200	P:750 R:750	P:200 R:120										1	4.8	12					
ER-850PR		180~250	P:850 R:850	P:200 R:120										1	4.9	12					
EV-450		10~80	450	125										180	2	0.7	3.7	3.8	7.4	7.5	7.6
EV-550		12~150	550	125																	
EV-650	50~180	650	125	0.9	3.9	7.6															

Standard Function

Standard	Gripper rotation mechanism	Gripper can turn 90° out the mould, and release the sprue and part smoothly.
Standard	Chinese and English	Language can be switched between Chinese and English.
Standard	Mid-Mould induction	The arm won't go down if the mid-mould is not pulled apart.
Standard	Prevent arm dropping	When air pressure is lower, it will alarm and the falling proof cylinder will eject automatically to prevent arm descending.
Standard	Conveyor I/O point	Control conveyor to run or stop.

Optional Function

Optional	Vacuum confirmation circuit	Use vacuum generator circuit to make sure if the part is taken out.
Optional	EUROMAP interface	Euromap 12, Euromap67.
Optional	Release side descent slow speed	Used to slow the speed when the product is taken out the mould, to avoid accident and adapt to the specific situation.

FULL SERVO ROBOT

EL-5-600/700/800/900

Hang-type full servo robot

Suitable for 50–300TON I.M.M



Main Specification

UNIT Model	Type	I.M.M.Range ton	Stroke				Gripper angle °	Max load (includes gripper) kg	Minimum take out time sec	Dry cycle time (Without gripper) sec	Drive System	Working Air Pressure kgf/cm ²	Air Consumption NL/cycle	Power Supply	
			Vertical mm	Double arms crosswise mm	Single arm crosswise mm	Transverse mm									
EL-5-600P(R)	Single-stage	50~150	P:600 R:650	P:240 (360~600) R:240 (230~470)	P:450 (150~600)	1200	90	5	1.5	3.4	AC Servo motor	5~7	2.8	AC220 ± 10% (50HZ)	
EL-5-700P(R)		50~200	P:700 R:750												1200
EL-5-800P(R)		100~250	P:800 R:850	P:440 (360~800) R:440 (150~800)	P:650 (150~800)										1400
EL-5-900P(R)		150~300	P:900 R:950												1600

The above information is, if the design changes necessary to the actual measured data values prevail.

ETL-5-650/750/850

Light One Axis Servo Robot

Suitable for 50–250TON I.M.M



Main Specification

UNIT Model	Type	I.M.M.Range ton	Stroke			Gripper angle °	Max load (includes gripper) kg	Minimum take out time sec	Dry cycle time (Without gripper) sec	Drive System	Working Air Pressure kgf/cm ²	Air Consumption NL/cycle	Power Supply
			Vertical mm	Crosswise mm	Transverse mm								
ETL-5-650P(R)	Single-stage	50~180	P:650 R:650	P:170 R:150	1200	90	5	2	6	x-AC Servo motor Y,Z pneumatic	5~7	12.5	AC220 ± 10% (50HZ)
ETL-5-750P(R)		75~200	P:750 R:750	P:170 R:150	1400								
ETL-5-850P(R)		100~250	P:850 R:850	P:170 R:150	1500								



ETMW-5-1000/1100/ 1200/1300/1400

Medium One Axis Servo Robot
Suitable for 200-650TON I.M.M



Main Specification

UNIT	Type	I.M.M.Range	Stroke			Gripper angle	Max load (includes gripper)	Minimum take out time	Dry cycle time (Without gripper)	Drive System	Working Air Pressure	Air Consumption	Power Supply
			Vertical	Crosswise	Transverse								
Model		ton	mm	mm	mm	°	kg	sec	sec		kgf/cm ²	NL/cycle	
ETMW-5-600P(R)	Telescopic type	50-150	P:600 R:600	P:250 R:120	1300	90	5	2	5	X-AC Servo motor Y,Z	5-7	17	
ETMW-5-700P(R)		50-200	P:700 R:700	P:250 R:120	1400			2.5	6			19	
ETMW-5-800P(R)		150-250	P:800 R:800	P:250 R:120	1500			3	7			21	
ETMW-5-900P(R)		200-300	P:900 R:900	P:250 R:120	1600			3.5	8			23	
ETMW-5-1000P(R)		200-350	P:1000 R:1000	P:420 R:200	1800			3.5	10			27	
ETMW-5-1100P(R)		250-380	P:1100 R:1100	P:420 R:200	1800			3.5	10			27	
ETMW-5-1200P(R)		300-480	P:1200 R:1200	P:420 R:200	2000			3.5	10			29	
ETMW-5-1300P(R)		350-600	P:1300 R:1300	P:420 R:200	2000			3.5	10			31	
ETMW-5-1400P(R)		450-650	P:1400 R:1400	P:420 R:200	2200			3.5	10			33	

ELW-5-600/700/800/900

Hang-type full servo robot
Suitable for 50-300TON I.M.M



Main Specification

UNIT	Type	I.M.M.Range	Stroke				Gripper angle	Max load (includes gripper)	Minimum take out time	Dry cycle time (Without gripper)	Drive System	Working Air Pressure	Air Consumption	Power Supply
			Vertical	Double arms crosswise	Single arm crosswise	Transverse								
Model		ton	mm	mm	mm	mm	°	kg	sec	sec		kgf/cm ²	NL/cycle	
ELW-5-600P(R)	Telescopic type	50-150	P:600 R:650	P:230 (370-600) R:230 (230-460)	P:440 (160-600)	1200	90	5	1.5	3	AC Servo motor	5-7	2.8	AC220 ± 10% (50HZ)
ELW-5-700P(R)		50-200	P:700 R:750	P:230 (230-460)	P:440 (160-600)	1200			1.5	3			2.8	
ELW-5-800P(R)		100-250	P:800 R:850	P:430 (370-800) R:430 (160-800)	P:640 (160-800)	1400			1.5	3			2.8	
ELW-5-900P(R)		150-300	P:900 R:950	P:430 (230-660)		1600			1.5	3			2.8	

The above information is, if the design changes necessary to the actual measured data values prevail.

EMW-5-900/1100/1300/1600/1800/2000

Open-type full servo robot
Suitable for 200-2000 TON I.M.M



Main Specification

UNIT	Type	I.M.M.Range	Stroke				Gripper angle	Max load (includes gripper)	Minimum take out time	Dry cycle time (Without gripper)	Drive System	Working Air Pressure	Air Consumption	Power Supply
			Vertical	Double arms crosswise	Single arm crosswise	Transverse								
Model		ton	mm	mm	mm	mm	°	kg	sec	sec		kgf/cm ²	NL/cycle	
EMW-5-900P(R)	Telescopic type	200-300	P:900 R:950	P:755 (265-1040) R:755 (170-925)	P:955 (85-1040)	1600	90	5	1.5	4.4	AC Servo motor	5-7	3	AC220 ± 10% (50HZ)
EMW-5-1100P(R)		250-550	P:1100 R:1150	P:955 (265-1240) R:955 (170-1125)	P:1155 (85-1240)	1800			1.5	4.9			3	
EMW-5-1300P(R)		350-650	P:1300 R:1350	P:1155 (265-1240) R:955 (170-1125)	P:1155 (85-1240)	2000			1.5	5.4			3	
EMW-20-1600P(R)		500-850	P:1600 R:1650	P:1065 (740/660-1300) R:740/660-1035	P:1065 (235-1300)	2500			3	7.9			3.8	
EMW-20-1800P(R)	Telescopic type	650-1200	P:1800 R:1850	P:1265 (940/560-1500) R:940/295-1235	P:1265 (235-1500)	3000	90	20	3	8.4	AC Servo motor	5-7	3.8	AC380 ± 10% (50HZ)
EMW-20-2000P(R)		850-1600	P:2000 R:2050	P:1565 (1240/560-1800) R:1240/295-1535	P:1565 (235-1800)	3300			3	8.9			3.8	

The above information is, if the design changes necessary to the actual measured data values prevail.

BELT CONVEYORS



- Used as automatic auxiliary equipment to improve efficiency & equipment to improve efficiency & protection products.
- Made of heavy-duty aluminum alloy, light, compact with small footprint.
- High quality rubber surface, height adjustable & easy to assemble for any applications.
- Customized products are available.



GRANULATORS

SLOW SPEED GRANULATORS



AGO 280

- Screenless design with least dust and uniform granules.
- Adopted Taiwan brand gear reducer with higher torque and long service life.
- Can process coarse and small materials simultaneously. Smooth operation, low noise.
- Hopper and machine structure are easy to access and clean.
- Consisted of main power isolator for safety.
- Equipped with cycle timer, it can automatically start and stop working to save power.
- Hopper is standard configuration.

OPTIONAL CONFIGURATION

- Material storage trolley.
- Robot arm feeding port.
- RFC-0.75HP cyclone system for proportionally mixing the virgin and regrind materials.

Model	Power Kw	Power HP	Power Kw	Power HP	Crushing Ability (Kg)	Rotation (Per/Min)	Crushing Chamber (mm)	Dimension (LXWXH) (cms)	Net Weight (Kg)
AGO 280	1.5	2	/	/	15-30	25	280X300	111x54x131	360
AGO 380	2.2	3	/	/	25-50	25	380X300	129x54x143	460
AGO 280 RFC-0.75 HP	1.5	2	0.55	0.75	15.30	25	280X300	104x54x131	375
AGO 280 RFC-0.75 HP	2.2	3	0.55	0.75	25-50	25	380X300	122x54x143	475

FLAKE CUTTER SERIES

- Applicable for crushing general plastics materials, including sheets, tube, profile, packing materials, injection and blow molded parts, and runners.
- Flake blades ensure well-proportioned granules and high efficiency.
- The gap between rotary and fixed blades is adjustable.
- Equipped with motor overload protector, isolation switch and safety switch to protect machine and operator.
- Fully sealed bearing to allow long duration operation.
- Precise machining to achieve parts matching.



AGP-600

Model	Power Kw	Power HP	Crushing Ability (kg/hr)	Stationary Cutter	Rotary Cutter	Crushing Chamber (mm)	Dimension (LXWXH) (mm)	Net Weight (kgs)
AGP-230	4	5	100-150	2	6	230x200	95x62x119	288
AGP-300	5.5	7.5	150-200	2	9	310x200	100x72x129	432
AGP-400	7.5	10	200-250	2	12	410x235	103x84x139	500
AGP-500	11	15	300-350	2	15	515x290	123x101x163	900
AGP-600	15	20	350-450	4	18	610x320	132x111x183	1100
AGP-800	22/30	30/40	450-600	4	24	815x470	173x149x230	2000

SOUND PROOF GRANULATOR

- Fully sealed crushing chamber, realizing low noise (below 80dB within 1 meter away from machine) and no dust.
- Installed with heat dissipation system to protect motor and ensure long operation.
- Consisted of several safety devices and CE authenticated electrical appliances to meet European standards.
- Adopted phase controller to prevent motor from rotating reversely.
- Installed with isolator switch for safer operation and maintenance.
- Adjustable feeder port and eyenut lock are for ease of operation.
- Storage trolley is standard configuration, while hopper and cyclone system are optional.



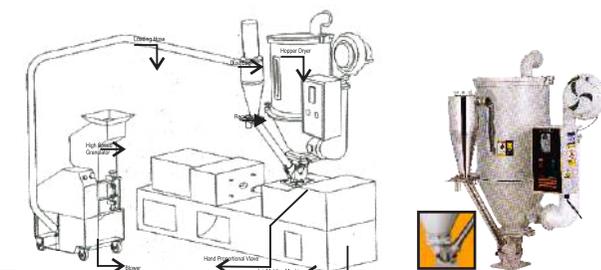
AGJ-400

Model	Power Kw	Power HP	Crushing Ability (kg/hr)	Stationary Cutter	Rotary Cutter	Crushing Chamber (mm)	Dimension (LXWXH) CMS	Net Weight (kgs)
AGJ-230	4	5	100-150	2	6	230x200	95x70x141	500
AGJ-400	7.5	10	200-250	2	12	410x235	117x91x165	800
AGJ-500	11	15	300-350	2	15	515x290	130x104x192	1100
AGJ-600	15	20	350-450	4	18	610x320	136x114x214	1350
AGJ-800	22	30	450-600	4	24	815x470	184x152x263	2500
AGJ-790	37	50	600-800	4	27	790x550	205x170x314	3000
AGJ-1100	75	100	800-100	4	12	1100x800	217x205x363	7500

ON-LINE GRINDER



AGI-210



- The crushed material is automatic ally transferred into the receiving tank & past through the cyclone separator by a blower, make the fines & pellets material separated. Fines are absorbed into the dust collector. Pellets will be mixed proportionally with virgin material by the proportional valve 8. automatic transfer to the hopper dryer

Model	Power Kw	Power HP	Crushing Ability (kg/hr)	Stationary Cutter	Rotary Cutter	Crushing Chamber (mm)	Dimension (LXWXH) CMS	Net Weight Kgs
AGI-210	1.5	2	35-40	2	9	210x200	88x53x138	220
AGI-310	3	4	35-40	4	6	310x230	100x67x137	390



FILM GRANULATOR



AGE-600

- Excellent at recycling plastic films and sheets. E.g. PE & PP sheets knitted bags and fibers.
- Scissor blades are designed for better cutting efficiency.
- The gap between rotary and fixed blades is adjustable.
- Motor overload protector, isolation switch and safety switch protect machine and operator.
- Suction blower and storage tank can be optionally integrated as a recycling system.

Model	Crushing Chamber MM	Crushing Ability	Fixed Blade	Rotary Blade	Power		Voltage	Dimension LxWxH CMS	Net Weight KGS	Optional Suction Blower
					KW	HP				
AGE400	410x235	80-120	2	3	7.5	10	3φ	103x84x139	520	2
AGE600	610x320	130-230	4	6	15	20	380VAC	132x111x183	1100	3
AGE800	815x470	180-280	4	6	22	30	50Hz	173x149x230	2000	4

V-SERIES GRANULATOR

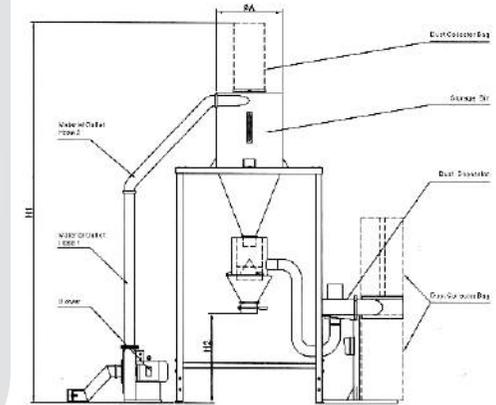
- Claw and flat blades are available for various applications.
- Inclined blades realize high cutting efficiency and lower noise.
- Stainless steel hopper with sound-proof layer inside to reduce further noise.
- CE standard designed.
- Blades are made of high-strength and durable chromium alloy steel.
- The gap between rotary and fixed blades is adjustable.
- Equipped with motor overload protector, isolation switch and safety switch to protect machine and operator.
- Compact structure is easy to clean and prevents material pileup.



VGY-15HP

Model	Crushing Chamber	Crushing Ability	Fixed Blade	Rotary Blade	Power		Voltage	Dimension LxWxH CMS	Net Weight KGS
					KW	HP			
VGY-10HP	360x260	200-400	2	18	7.5	10	3φ 380VAC	106x83x144	540
VGY-15HP	420x280	300-500	2	21	11	15		127x94x160	795
VGY-20HP	480x330	350-550	2	24	15	20	50Hz	137x101x179	1040
VGY-30HP	660x350	500-800	4	27	22	30		127x132x200	1700
VGY-50HP	720x500	800-1200	4	27	37	50		187x151x248	2750

RFF DUST SEPARATING SYSTEM



- Automatic material collection after granulating
- Compatible with all models of granulators
- Material contact surface is made of stainless steel to keep materials pure
- Removes dust by dust collector bag located at the top, reducing air pollution.
- Dust separator removes dust more efficiently. (Optional)
- Vacuum suction at material outlet reduces powder spillage.

Model	RF-2HP	RF-3HP	RF-4HP	RF-5HP	RF-7.5HP
Motor Power	1.5kw / 2HP	2.2kw / 3HP	3kw / 4HP	4 kw / 5HP	5.5 kw / 7.5HP
Hose Diameter (mm)	76	102	102	127	127
Conveying Height (Mts)	3	3	4	5	5
Tank Volume	100				
Compatible Granulator Model (HP)	5-10	15-20	30-40	50	50-75
Dust Collector Motor (optional)	0.4 kw	0.4 kw	0.4 kw	0.4 kw	0.4 kw
A (mm)	650				
H1 (mm)	3300			3300	
H2 (mm)	800				



SINGLE SHAFT SHREDDER - P SERIES



ALL-ROUND & RELIABLE WITHOUT COMPROMISE

P series shaft shredders are used in small-to-medium material size reducing and waste recycling in various industries. Mainly handles plastic lumps and products, wood, paper wastes to obtain uniform particle size. Features low speed, high torque and compact structure. In harsh environment, it can maintain good stability and reliability. Wiscon's unique screen and knife can be selected according to material characteristics.

APPLICATIONS

Plastic lump, plastic pipe, plastic sheet, PE film, PP woven bag, PET bottle, industrial waste paper, wood pallet, circuit board, aluminum material, copper material, wire, cable etc....



FEATURES

- Auto-reverse system re-orientates rotor direction when motor overload & material jam.
- Main electrical components are trusted brands such as Siemens and Schneider.

SPECIFICATIONS

Item / Model	P260	P380	P3120	P3150
A×B Crushing chamber (mm)	500×580	850×800	850×1200	1400×850
Rotor diameter (mm)	250	400	400	400
Rotor knife qty (pcs)	26	38	58	82
Counter knife qty (pcs)	4	4	6	6
Screen opening (mm)	∅40	∅40	∅40	∅40
Motor power (kW)	18.5	37	55	75
Hydraulic station power (kW)	1.5	3.7	5.5	5.5
L×W×H Dimension (mm)	1760×1300×1850	2850×1760×2210	2850×2560×2330	2850×2760×2330
Maximum output (kg/h)	500	1200	2000	2200
Weight (kg)	1750	4150	5300	5900

- The maximum output is tested based on non-ABS purgings with 40mm screen opening.
- We reserve the right to change specifications without prior notice.

SINGLE SHAFT SHREDDER - T SERIES

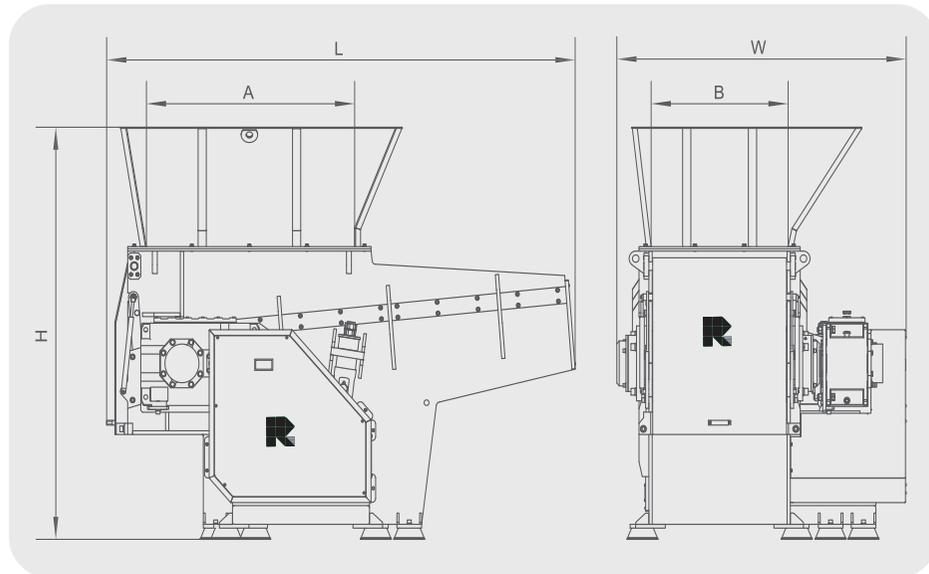
STURDY & STABLE TACKLING JUMBOS

T series single shaft shredder is suitable for processing bulky and high hardness materials. With strong welded steel construction, sloping pusher and extra large internal volume, a higher throughput and more stable processing can be achieved. The sloping pusher and large interior with access door make maintenance quicker and easier. Wiscon's 4 unique rotor configurations enable an increase in throughput by 20%.





- Rotary knife adopts Dc53 steel, counter knife adopts D2.
- Rotary knife can be used twice before replaced.
- Versatile applications and continuous operation.
- Solid construction with proven technology



APPLICATIONS

Plastic lump, plastic pipe, plastic sheet, PE Fiim, PP woven bag, PET bottle, industrial waste paper, wood pallet, circuit board , aluminum profile, copper profile, wire, cable etc....



FEATURES

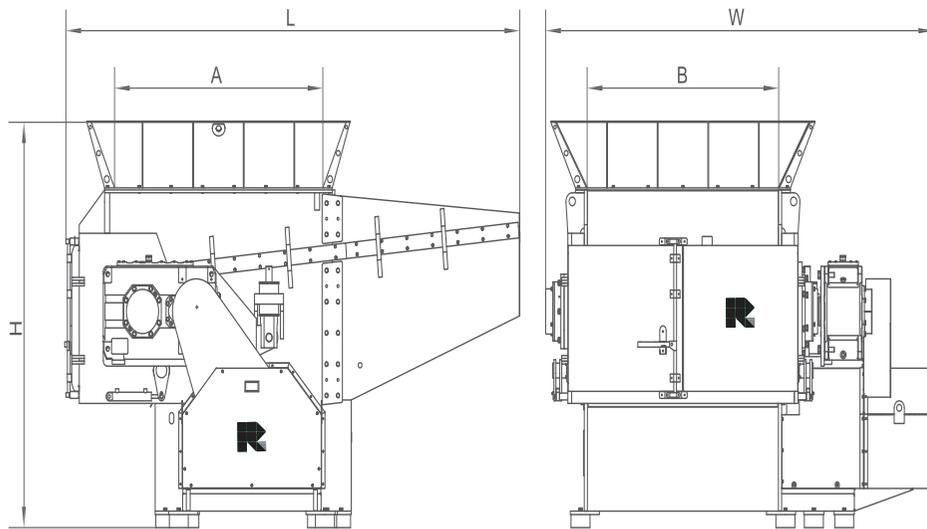
- Auto-reverse system re-oriens rotor direction when motor overload & material jam.
- Main electrical component are trusted brands such as Siemens and Schneider.



- Rotary Knife adopts DC53 steel, counter knife adopts D2.
- Rotary knife can be used twice before replaced.
- Slanted pusher eliminates residues
- Durable guide rails ensure smooth pushing and introduces material to rotor



- Screen opening determines output particle size that is customizable between 20-40mm
- Multiple screens particularly optional for challenging
- Enlarged infeed hopper and shredding chamber for optimal output.
- Solid construction with proven technology



SPECIFICATIONS

Item / Model	T4150	T4200	T6170	T6220	T8180	T8240
AxB Crushing chamber (mm)	1400x1500	1400x1500	1500x1600	1500x2200	1580x1800	1580x2200
Rotor diameter (mm)	450	450	600	600	800	800
Rotor knife qty (pcs)	88	118	100	130	106	142
Counter knife qty (pcs)	6	8	6	8	8	8
Motor power (kW)	90	55+55	132	90+90	90+90	132+132
Hydraulic station power (kW)	7.5	7.5	11	15	11	15
LxWxH Dimension (mm)	3550x3100x2400	3550x4500x2400	3800x3200x2800	3800x4700x2800	4200x4300x3400	4200x4900x3400
Maximum output (kg/h)	3000	4000	4700	5800	6500	8500
Weight (kg)	11000	14800	13800	18000	16000	20000

- The maximum output is tested based non-ABS purgings with 40mm screen opening.
- We reserve the right to change specifications without prior notice.

DRY COLOR MIXER SERIES



AQD-50

- Temperature and timer control in one unit parameters setting.
- Well-designed structure, easy to operate
- Stainless steel construction, easy to clean.
- Double wall protection to maintain temperature.

Mixing in airtight cellular, magnetic separation process (option avail)

Model	Power		Capacity (Kg)	Voltage (V)	Dimension LxWxH CMS	Rotation Speed (r/min)	Net Weight (Kgs)
	Kw	HP					
AQD-50	7.5	10	50	380 3Ø	117X83X135	480	230
AQD-100	15	20	100	380 3Ø	134X98X152	480	270
AQD-200	30	40	200	380 3Ø	170X130X170	400	700

VERTICAL COLOR MIXER SERIES



AQB-50

- Vertical Structure with castor wheels small footprint and easy to move.
- Vertical reducer motor adopted to ensures low noise and long operation hours
- Fast complete mixing, low energy consumption and high productivity.
- Pail cover and bottom parts are compress formed, precisely matched & durable

MODEL	Power		Capacity (Kg)	Voltage (V)	Dimension LxWxH CMS	Rotation Speed (r/min)	Net Weight (Kgs)
	Kw	HP					
AQB-50	1.5	2	50	415 3Ø	83X83X112	85	125
AQB-100	3.75	5	100	415 3Ø	100X100X128	85	180
AQB-150	4	5.5	150	415 3Ø	113X113X140	85	270
AQB-200	7.5	10	200	415 3Ø	120X120X139	85	313



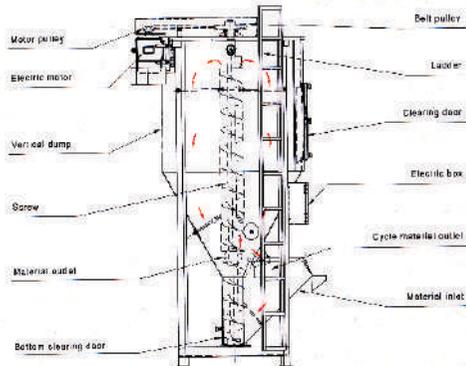
WSQF VERTICAL STIRRER



WSQF-1000

- Blending screw is vertically mounted for fast and even mixing.
- Suitable for all kinds of plastic materials and color master batches.
- Barrel and mixing screw are made of stainless steel, both of which are rust free and easy to clean.
- Equipped with power protection device to ensure operator's safety and no damage to machine.
- Drying model is optional.

Model	Power		Capacity (Kg)	Rotating Speed (r/min)	(V) Voltage	Dimension LxWxH (cm)
	HP	kW				
AQF -500X	5	4	500	300	3Ø 380VAC 50Hz	Φ 110x215cm
AQF-1000X	7.5	5.5	1000	300		Φ 150x265cm
AQF 2000X	7.5	5.5	2000	300		Φ 175x355cm
AQF 3000X	10	7.5	3000	300		Φ 210x375cm
AQF 5000X	15	11	5000	300		Φ 243x435cm
AQF 6000X	15	11	6000	300		Φ 260x455cm
AQF 7000X	15	11	7000	300		Φ 270x470cm
AQF 8000X	15	11	8000	300		Φ 275x495cm
AQF 10000X	15	11	10000	300		Φ 290x525cm



Model	Power		Capacity (Kg)	Rotating Speed (r/min)	Heating (kW)	Blower (kW)	Voltage (V)	Dimension LxWxH (cm)
	HP	kW						
AQFH -500XH	5	4	500	300	15kW	0.55	3Ø 380VAC	Φ110x275cm
AQFH-1000XH	7.5	5.5	1000	300	20kW	0.75		Φ160x265cm
AQFH-1500XH	7.5	5.5	1500	300	20kW	1.1		Φ170x315cm
AQFH-2000XH	7.5	5.5	2000	300	30kW	2.2		Φ175x355cm
AQFH-3000XH	10	7.5	3000	300	40kW	2.2		Φ220x385cm
AQFH-5000XH	15	11	5000	300	50kW	2.2		Φ250x435cm

DRAWER TYPE MOLD RACK



AMR-1000



AMR-1000 (EXT)



AMR-2000

- Save space & easy to manage the moulds.
- Mould rack shelves are able to pull & push easily after loading, easy storage & removing with chain block.
- Mould rack disassemble structure, all spare parts are able to assembled at random, space between upper and lower shelf are adjustable, easy to install in any locations.
- Maximum loading capacity of each drawer up to 1000/1500/2000 kg.
- Scientific structure ,robust,

Model	Max Load(t)		DIMENSIONS (cm) (LXBXH)	Drawer Dimension (Cm)	Chain (Cm)	Chain (t)
	Bottom	2-3 Tier				
AMR-1000 (STD)	1	0.8	313X60X200	60 x 90	35	1
AMR-1000 (EXT)	1	0.8	313X90X200	60 x 90	35	1
AMR-1500 (STD)	1.5	1	343X78X200	78 x 100	45	2
AMR-1500 (EXT)	1.5	1	343X125X200	78 x 100	45	2
AMR-2000	2	1.2	343X148X200	80 x 100	45	2



WATER / OIL-TYPE MOLD TEMPERATURE CONTROLLER



WATER / OIL-TYPE MTC

- Controlled by micro controller and consists of LC screen and keyboard.
- PID multi-stage temperature control maintains mold temperature with accuracy of +0.5 C.
- Chinese and English Interface is available, easy to operate system and to understand warning messages.
- The Electrical and heating equipment are separated to avoid high temperature damage to machine.
- Adopted High Quality and efficiency pump, applicable to all kinds of mold temperature control equipment.
- The inside is made of stainless steel that resists corrosion and stands high pressure with high heating efficiency.
- 6 safety and protective measures include broken thermocouple alarm, reversed phase, faulty phase, overload, overheat and water shortage.

Model	ATW-06W	ATW-09W	ATW-12W	ATW-18W	ATW-24W	ATW-36W	ATW-48W
Heat-Transfer Medium	Clean Water						
Heating Capacity	98°C and 160°C						
Cooling Method	Direct Cooling						
Heating Method (kw)	6	9	12	9x2	12x2	12x3	48
Power (kw)	0.37	0.75	0.75	1.5	1.5	3.75	3.75
Pressure Pump (kg / cm ²)	2.5	4	4	4	4	4	4
Flow volume (L/min)	35	45	45	80	80	380	380
Power supply	3φ 220v/380v/460v 50Hz/60Hz						
Cooling-water pipe size (mm)	φ10	φ10	φ10	φ10	φ10	φ10	φ10
Heat-transfer pipe size (mm)	2xφ10	4xφ10	4xφ10	6xφ10	6xφ10	6xφ10	6xφ10
External dimensions IXWXH	880x300x690	880x300x690	880x300x690	880x350x810	890x380x690	1050x550x850	1050x550x850
Weight (kg)	47	51	54	90	90	110	115

Model	ATW-06L	ATW-09L	ATW-12L	ATW-18L	ATW-24L	ATW-36L	ATW-48L
Heat-Transfer Medium	Heal Transfer Oil						
Heating Capacity	180°C and 300°C						
Cooling Method	Indirect Cooling						
Heating Method (kw)	6	9	12	18	24	36	48
Power (kw)	0.37	0.75	0.75	1.5	1.5	3.75	3.75
Pressure Pump (kg / cm ²)	2.5	4	4	4	4	4	4
Flow volume (L/min)	35	45	45	80	80	380	380
Power supply	3φ 220v/380v/460v 50Hz/60Hz						
Cooling-water pipe size (mm)	φ10	φ10	φ10	φ10	φ10	φ10	φ10
Heat-transfer pipe size (mm)	2x3/8	4x3/8	4x3/8	6x3/8	6x3/8	1x1.5"	1x1.5"
Fuel tank capacity (L)	10	13	16	24	24	38	38
External dimensions IXWXH	880x300x690	880x300x690	880x300x690	880x350x810	880x350x810	1050x550x850	1050x550x850
Weight (kg)	50	54	56	95	98	120	125



AHD-50

HOPPER DRYER

- Contact parts made of Stainless steel.
- Precisely cast aluminum hull, smooth surface and good performance of maintaining temperature setting.
- Low noise blower, installed air filter (Optional) purity guaranteed.
- Material tank installed with side glass for inspection.
- Curve heating cylinder designed to avoid powder pile.
- Installed with proportional deviation display thermostat, to control temperature accurately.

Model	Capacity (Kgs)	Heating (kw)	Blower (W)	Power (V)	Dimension (cm)	Base Size (cm)	Net Weight (Kgs)
AHD-12	12	1.8	50	380 3Φ	64X44X76	11X11X 4	22
AHD-25	25	4	120	380 3Φ	700x400x720	16X16X 6.2	38
AHD-50	50	5	180	380 3Φ	850x5000x1050	16X16X 7	75
AHD-75	75	5.2	180	380 3Φ	880x580x1120	16X16X 7	85
AHD-100	100	8	250	380 3Φ	1000x650x1250	18X18X 8	95
AHD-150	150	9	250	380 3Φ	1050x750x1350	20X20X 8.8	120
AHD-200	200	12	350	380 3Φ	1150x800x1550	23X23X 11.5	150
AHD-300	300	13	400	380 3Φ	1250x880x1600	27.5X27.5X 12	200
AHD-400	400	18	450	380 3Φ	1400x950x1650	27.5X27.5X 12	225
AHD-600	600	20	1100	380 3Φ	158X116X254	28X28X 13.5	280
AHD-800	800	30	2200	380 3Φ	177X118X254	28X28X 13.5	380

ENERGY SAVING HOPPER DRYER



BENEFITS

- Hot moist air from electric heater pipe is brought into a retriever.
- The retriever is installed with filter internally.
- Powder in hot air is filtered out and moisture will evaporate.
- Rotating the same hot air will save power upto 30%-35%
- Life of heater also increased.



HONEYCLE DEHUMIDIFIER



EDH-100

- It adopted PID temperature control system and working state indicator light. Can precisely control and know operation conditions clearly.
- Special cooler structure to design ensures lower return air temperature and dew point.
- Absorbing about 99.9% of the dust through high efficient particulate filter avoid the honeycomb rotor from dust pollution.
- Independent Environment Dew Point reach to -60°C
- Strict performance index and productive technology, excellent performance, high efficiency, low consume, easy operation, stable performance. It offers dry air to absorb the moisture on the material to meet the requirement.

- It's suitable for drying hygroscopic engineering plastic such as PA, PC, PBT, PET etc.
- It can be moved to the suitable working place as customer's need.
- Dew point and return temperature can be set by customers need to reduce energy consumption
- Equipped with two high efficiency filters, use the high pressure air to remove the dust on the filters.

Specification												
Model EDH	30	50	100	150	200	300	400	500	800	1000	1500	2000
Regenerative power(kw)	3	3	3	4	4	6	7.2	9	12	15	20	20
Regenerative fan power(kw)	0.2	0.2	0.2	0.4	0.4	0.75	0.75	1.5	3	2.2	2.2x2	3x2
Drying heater power(kw)	3	4	6	7.2	9	15	18	21	24	36	24x2	36x2
Drying fan power(kw)	0.2	0.4	0.75	1.5	2.2	3	5.5	7.5	9	13	9x2	13x2
Dry air capacity(m ³ /hr)	30	50	100	150	200	300	400	500	800	1000	1500	2000
Pipe coupling(inch)	2"	2"	2"	2.5"	2.5"	3"	3"	4"	4"	5"	6"	8"
Dimension												
H(mm)	1360	1360	1360	1610	1610	1745	1745	1935	1935	1935	2060	2060
W(mm)	530	530	530	650	650	650	650	750	750	1350	1500	1500
D(mm)	820	820	820	1050	1050	1255	1255	1380	1380	1380	1380	1380
Weight(kg)	145	155	170	260	265	320	350	470	560	700	1080	1360

Note: We reserve the right of change the specifications without prior notice.
 1) Three sections feeding function is optional, machine type with M3.
 2) Dew-point meter is optional, machine type with D. 3) Voltage: 3Φ, 400V, 50Hz.

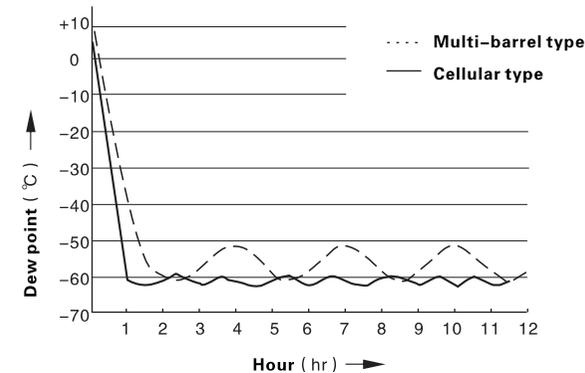
Optional device for Choice

PLC controller to work with LCD touch screen, with Ethernet remote monitor and manage, more easier to operate.

Dew point monitor is available as an option for monitoring dehumidifying effect. Dry heater and temperature controller device is optional, with drying hopper tank can dehumidify plastic material.

The reason of causing Bubbles, crazing, cracking, flow marks, poor transparency is that the plastic is not fully dried before it is formed. The hygroscopic of plastic like PA, PC, PBT, PET are strong. The traditional dryer can't dry it completely because the moisture level is much more in it.

Practice proves that reducing the drying wind dew point below -40°C and controlling its temperature can dry the material and reduce the moisture below 0.02%. Honeycomb dehumidifying dryer fully dehumidify the air in the closed loop system to achieve the effect of dehumidification drying.



Humidity and moisture content comparison table

Dew Point(°C)	Relative humidity (%)	Moisture Content	
		PPM	%
+20	100	23,072	2.307
+10	52.5	12,117	1.212
0	26.10	6,027	0.603
-10	11.20	2,574	0.257
-20	4.40	1,025	0.103
-30	1.60	378	0.038
-40	0.60	128	0.013
-50	0.20	39	0.004
-60	0.07	13	0.001



Touch-control screen



Card slot type control module



Switch module



Communication cable





VMD 3-in-1 DEHUMIDIFIER DRYER

- Integrated dehumidifying, drying and feeding in one unit. Feeding to 1 molding machine is standard configuration, feeding up to 3 molding machines is optional.
- Controlled by microprocessor with P.I.D. temperature control.
- Consists-condenser provides lower return air temperature and dew point below -40°C (-50°C is available with chilling water)
- Chinese and English interface is available, easy to operate system and to understand warning messages.
- Insulating drying hopper with European standard allows better heat preservation and being damped.
- Fully sealed feeding system to prevent dried material contacting open air and being damped.
- Discharge valve ensure no residual materials in hopper tubes each time.



80A / 120L

Drying capacity specification

Specification																
Raw material	Drying temperature (°C)	Drying time (hr)	Specific heat Kcal/kg °C	Accumulation density (kg/L)	Moisture content before dehumidified (%)	Moisture content after dehumidified (%)	Drying capacity (kg/hr)									
							EDH-50	100	150	200	300	500	700	1000	1500	2000
ABS	80	2-3	0.34	0.6	0.3	0.02	18	35	70	105	180	285	355	425	710	1065
CA	75	2-3	0.5	0.5	1	0.02	15	30	60	90	150	235	295	355	590	885
CAB	75	2-3	0.5	0.5	0.8	0.02	15	30	60	90	150	235	295	355	590	885
CP	75	2-3	0.6	0.6	1	0.02	18	35	70	106	180	285	355	425	710	1060
LCP	150	4	0.6	0.6	0.04	0.02	13	27	55	80	135	210	265	320	530	800
POM	100	2	0.35	0.6	0.2	0.02	27	54	105	160	260	425	530	640	1060	1600
PMMA	80	3	0.35	0.65	0.5	0.02	19	38	77	115	190	300	380	460	760	1150
NYLON	90	3-4	0.58	0.6	0.4	0.02	11	22	44	66	110	170	220	265	442	660
PA6	75	4-5	0.4	0.65	1	0.05	10	19	38	58	96	153	192	230	380	570
PA11	75	4-5	0.58	0.65	1	0.05	12	23	45	69	115	185	230	275	460	690
PC	120	2-3	0.28	0.7	0.3	0.01	21	41	83	124	205	330	413	495	826	1230
PU	90	2-3	0.45	0.65	0.3	0.02	19	38	77	115	190	307	383	460	760	1150
PBT	130	3-4	0.3	0.7	0.2	0.02	15	30	62	93	150	248	310	372	620	930
PE	90	1	0.55	0.6	0.01	< 0.01	50	100	200	300	500	850	1050	1275	2100	2180
PEI	150	3-4	0.6	0.6	0.25	0.02	13	25	53	80	130	210	265	320	530	800
PET	160	4-6	0.5	0.85	0.2	0.05	13	26	50	75	125	200	250	300	500	750
PETG	70	3-4	0.6	0.6	0.5	0.02	13	26	53	80	130	210	265	320	530	800
PEN	170	5	0.85	0.85	0.1	0.05	15	30	60	90	150	240	300	360	600	900
PES	150	4	0.7	0.7	0.8	0.02	15	30	60	90	150	240	300	360	600	900
PPO	110	2	0.4	0.5	0.1	0.04	22	44	88	120	220	355	440	530	885	1330
PPS	150	3-4	0.6	0.6	0.1	0.02	13	25	53	80	130	210	265	320	530	800
PI	120	2	0.28	0.6	0.4	0.02	27	54	105	160	260	425	530	640	1060	1600
PP	90	1	0.48	0.5	0.1	0.02	50	100	150	200	300	710	885	1060	1770	2500
PS	80	1	0.58	0.5	0.1	0.02	50	100	150	200	300	710	885	1060	1770	2500
PSU	120	3-4	0.31	0.65	0.3	0.02	14	28	60	85	145	230	290	345	575	865
PVC	70	1-2	0.35	0.5	0.1	0.02	22	44	90	135	220	355	440	530	885	1330
SAN	80	1-2	0.32	0.5	0.1	0.05	22	44	90	135	220	355	440	530	885	1330
TPE	110	3	0.7	0.7	0.1	0.02	20	40	85	125	205	330	413	495	826	1230

Note: 1) use independent dried hopper.
2) in 20°C atmospheric temperature and 65% relative humidity, moisture content below 0.005% after dried.

Model		VMD 45L/50A	VMD 90L/80A	VMD-120L/80A	VMD-160L/130A	VMD-230L/160A	VMD-300L/220A	VMD-450L/300A	VMD-750L/400A	VMD-900L/500A	VMD 1200L 800A
Hopper	Capacity (L)	45	90	120	160	230	300	450	750	900	1200
Fiberglass and Casing											
Dry Air Dew Point		40°C									
Drying Temp.		80-160°C									
Air Flow (m³/h)		50	80	80	130	160	220	300	400	500	800
Blower Power (kW)		0.55	0.75	0.75	1.1	1.5	2.2	3	5.5	5.5	7.6
Regeneration Blower (kW)		0.25	0.25	0.25	0.25	0.55	0.55	0.75	0.75	2.2	2.2
Drying Heater (kW)		3.9	3.9	5.4	5.4	7.2	12	14	18	21	21
Regeneration Heater (kW)		3.9	3.9	3.9	3.9	5.4	5.4	7.2	7.2	14	14
Pipe Diameter	Drying (mm)	38	51	51	51	63	63	76	76	100	100
	Cooling (inch)	3/4									
	Regeneration (mm)	38	38	38	38	51	51	51	51	63	6
Conveying Blower (kW)		0.75	1.1	1.1	1.1	1.5	1.5	1.5	2.0	3.7	3.7
Conveying Distance (m)	Stage 1	10									
	Stage 2	10									
Hose Diam. (inch)		1.5					2				
Sensor Hopper Capacity (L)		6	6	6	6	6	6	10	10	10	10
Vacuum Hopper Capacity (L)		6	6	6	6	6	6	10	10	10	10
(V) Voltage		3Ø 380VAC 50 Hz									
Dimension LxWxH (cm)		110x93x	113x93x	113x93x	113x93x	137x99x	137x99x	150x130x	178x130x	214x138x	225x138
		160	232	240	270	275	275	285	292	322	355
Net Weight (kg)		280	310	340	360	420	550	600	750	830	900



AUTO LOADER



AAL-300G

- Microprocessor programmed operation.
- Adopted high-speed motor, small volume with strong suction power, suitable for different types of new materials
- Installed with dust collector to save dismantling mainframe for cleaning.
- Remote controller, easy to set and control convenient and fast
- Installed with air filter

- Fully automatic programmed operation
- Automatic alarm for overload or shortage of material.
- Stainless steel hopper construction.
- Main controller and hopper separated to ensure safety and convenience.
- Separate filter installed the piling up of powder, easy to remove.
- Automatic pump reverse system.



AL-1.5 HP

- Fully automatic with Microprocessor Control.
- Double vacuum control device, save cost and small footprint.
- Central control easy to install and operate.
- Suitable for drying process, central material supply, simple system and structure increasing productivity.
- Easy to maintain.



AAL-10HP

Model	AAL-300G	AAL-400G	AAL-700G	AAL-1.5HP	AAL-2HP	AAL-3HP	AAL-5HP	AAL-7.5HP	AAL-7.5HP	
Type	Carbon Brush	Induction	Carbon Brush	Induction	Induction	Induction	Induction	Induction	Induction	
Motor Specification	1KW/1.3HP 1 Ø	0.75KW/1.1HP 3 Ø	1KW/1.3HP 1 Ø	1.1KW/1.5HP 3 Ø	1.5KW/2HP 3 Ø	2.2W/3HP 3 Ø	4W/5HP 3 Ø	5.5KW/7.5HP 3 Ø	7.5W/10HP 3 Ø	
Conveying Capacity (Kg/h)	290	550	260	450	600	650	900	1000	1300	
Lift(m)	3.5	4	4	4	4	6	6	6	8	
Static Wind Pressure (mm/H ₂ O)	1300	1400	1550	2100	2500	2900	3100	4100	4400	
Reservoir Volume (L)	7.5	10	7.5	10	10	10/ 25	40	40	40	
Conveying Tube Inner Dim. (mm)	Ø38	Ø38	Ø38	Ø38	Ø38	Ø38 / Ø51	Ø51	Ø63	Ø63	
Specification of the attached Hoses (m)	Ø38mm x 3.5m 1pcs	Ø38mmx4m 1pcs	Ø38mmx4m 2pcs	Ø38mmx4m 2pcs	Ø38mmx5m 2pcs	Ø38mmx4m 1pcs Ø38mmx10m 1pcs	Ø51mmx10m 1pcs	Ø63mmx15m 1pcs	Ø63mmx15m 1pcs	
Dimensions (cm)	Main Frame	34x34x59	45x37x66	37x30x56	68x45x95	68x40x95	66x40x110	66x40x110	65x50x141	65x50x141
	Hopper	/	/	28x34x43	45x32x45	45x32x45	44x44x64	44x44x64	44x44x81	44x44x81
Net Weight (Kg)	Main Frame	12	27	14						
	Hopper	/	6	6						

VIBRO SCREEN



Vibro Screen M.S. / S.S.

Vibro Screen is one of the most versatile machine, which can perform the operations like Classification, Grading, Oversize or Undersize Removal, De-dusting, De-watering, Fiber Recovery, Filtration or any type of SIZE based separation

Vibro Screen is Reliable and Economic Solution for any Screening, Grading, Filtering or SIZE separations needs in your process.

ADVANTAGES

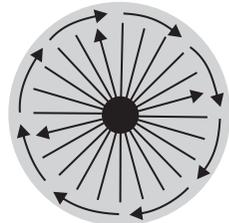
- No Screen Choking / Blinding
- Continuous / Automatic Discharge
- Dust Proof
- Low Power Consumption
- Low Maintenance
- Easy to Open
- Screen Charge Flexibility
- Multiple Mesh Screening
- Compact and Elegant Design

MODEL	SCREEN SIZE DIA (Inch)	MESH	1 ST OUTLET Deck (mm)	2 ND OUTLET Deck (mm)	OVER ALL HEIGHT (mm)	MOTOR (HP)
RE-CV-24	24"	2 to 200	425	575	835	0.5
RE-CV-36	36"	2 to 200	525	720	880	1.0
RE-CV-48	48"	2 to 200	600	790	1105	2.0 / 3.0
RE-CV-60	60"	2 to 200	625	850	1168	2.0 / 3.0
RE-CV-72	72"	2 to 200	650	885	1250	3.0 / 5.0

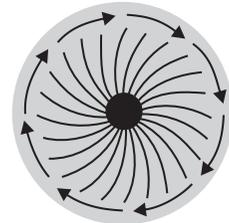


VIBRO SCREEN

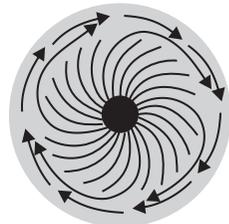
ADJUSTMENT OF TOP & BOTTOM WEIGHTS IN ACCORDANCE WITH THE FOLLOWING DIAGRAMS
(EXAMPLES OF SCREEN PATTERNS FOR AVERAGE MATERIALS)



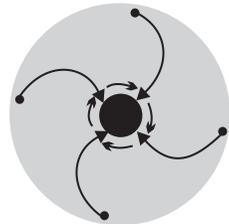
0° lead Average Material will be thrown straight



30° lead Average material will begin to spiral



80° lead Average material will give maximum screening pattern



90° lead Oversize material does not discharge

PRINCIPLE

Vibro Screen (V.S.) are designed on the principle of gyrotory Motion. Vibrations are generated by two eccentric weights mounted on specially designed heavy duty double ended vibratory motor. This imparts combination of horizontal and vertical vibration such that the material moves in definite path before path before it is discharged from the machine. This gives great deal of flexibility in tuning the machine to specific application.

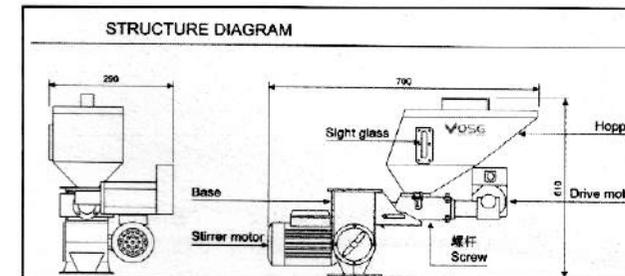
PRODUCT DESIGN

Vibro Screen (V.S.) are designed for the most demanding duties where high and constant performance is the requirement. We have incorporated quality, strength, flexibility and user convenience in such a way the Vibro Screen are finding wide acceptance in cross section of industries for variety of duties as already mentioned

VOLUMETRIC DOSERS & MIXING DEVICE

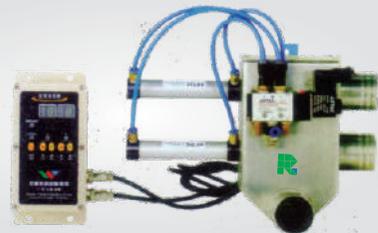


- Micro computer controlling, intellectualized accurate calculation
- DC motor adopted, free of maintenance.
- Data memory & saving
- Modularized structure, easy to clean and replace.
- Durable chrome plated crew.
- Mixing device available. (optional)
- A two color mixer consisting of two VCM and mixing devices can convey two different colorants synchronously.



Model	VCM75-16	VCM75-20	VCM30-16	VCM30-20
Power	60	60	60	60
Screw Speed (RPM)	0-3000			
Hopper Capacity (L)	10			
Ratio	75:1	75:1	30:1	30:1
Screw Dia. (mm)	16	20	16	20
Capacity (kg/hr)	0-5.5	0-7	0-14	0-16
Weight (kgs)	28	28	28	28

PROPORTIONAL VALVE



- The APM series proportional valve offer simple and accurate mixing of re-grind & virgin material. Main structure made of stainless steel.
- Durable and excellent designed without blind angle.
- Microprocessor controller provides accuracy and assures smooth material convey.

Model	Conveying Capacity (Kg/Hr)	Tube Dimension (mm)	Air Pressure (kgf/Cm ²)	Dimension (mm)
APM-500	500	Ø38	>3	260x150x180
APM-800	800	Ø50	>3	305x170x220

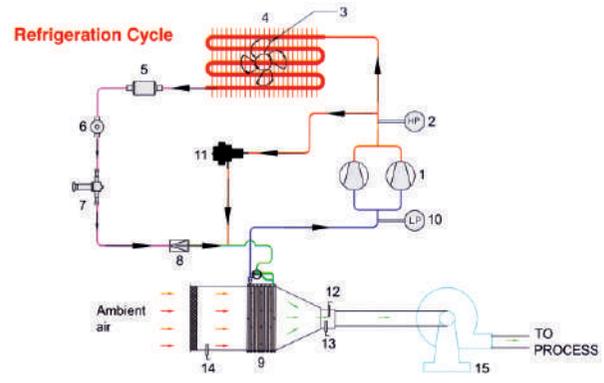


AIR COOLED CHILLER



Puf Insulated Water Tank

- 80% to 90% high COP
- R407c. friendly type refrigerant
- Panasonic / Hitachi hermetic rotary compressor
- Stainless steel pump
- Stainless steel built-in tank
- Door mounted disconnect switch
- Original Schneider electrical components
- Standard operating an safety controls
- Ventilated control cabinet
- Indoor operation
- Water-proof electrical chamber
- Removable panels for easy service access
- Mounted Casters
- Tank level alarm/switch, high and low pressure switch, Inner thermostat for compressor motor, three phase over current protection, compressor overload protection, fan overload protection (air cooled), pump overload protection
- Low noise and high efficiency finned tube condenser



- 1 - Compressor
- 2 - High Pressure Switch
- 3 - Axial Flow Fan
- 4 - Condenser Air Cooled
- 5 - Filter Drier
- 6 - Sight Glass
- 7 - Solenoid Valve
- 8 - Expansion Valve
- 9 - Evaporator Coil
- 10 - Low Pressure Switch
- 11 - Electronic Hot Gas by Pass
- 12 - Air Flow Sensor
- 13 - Air Outlet Sensor
- 14 - Air Outlet Sensor (Ambient)
- 15 - Centrifugal Blower

M12, M16, M20 - MOLD CLAMPS

- Mould clamps are an important part of any moulding operation
- Mould changes can also be completed
- Faster by using self adjusting clamps require spacer blocks.
- Jacking screws to adjust to different mould plate thicknesses
- Speed up your mould changes and eliminate setters.

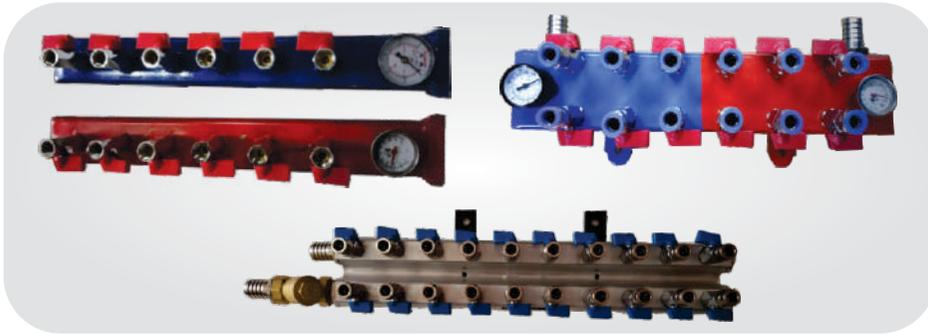


Model	Diameter	Length (mm)	Width (mm)	Height (mm)	Net Weight (Kgs)
M12 x 115	115	60	60-80	15-35	8T
M16 x 130	130	66	100-300	15-40	12T
M16 x 135	135	66	100-300	20-50	12T
M16 x 150	150	70	100-300	20-50	12T
M20 x 170	170	77	400-2500	20-55	20T
M20 x 200	200	80	400-2500	20-60	20T
M24 x 220	220	90	3000-7000	20-65	30T
M14 x 250	250	98	3000-7000	20-70	30T
M30 x 250	250	104	7000-30000	20-85	48T
M30 x 270	270	105	7000-30000	28-90	55T
M36 x 280	280	130	15000-50000	30-100	60T
M36 x 300	300	130	15000-50000	30-100	65T

SR. No.	DETAILS	5-6 TR.	8-9 TR.	10-11 TR.	12-13 TR.	13-15 TR.	16-18 TR.	20-24 TR.	25/26 TR.
1	TEMPERATURE RANGE	10 C - 15 C							
2	WATER FLOW	50 LPM	80 LPM	110 LPM	130 LPM	150 LPM	180 LPM	220 LPM	240 LPM
3	MODEL	ACSC005A1X1	ACSC008A1X1	ACSC010A1X1	ACSC012A1X1	ACSC016A1X1	ACSC016A1X1	ACSC020A1X1	ACSC025A1X1
4	GAS	R22							
5	COMP. MAKE	DANFOSS. QTY.: 01	DANFOSS. QTY.: 01	EMERSON. QTY.: 01	DANFOSS. QTY.: 01	DANFOSS. QTY.: 02	DANFOSS. QTY.: 01	DANFOSS. QTY.: 01	DANFOSS. QTY.: 01
6	CONDENSER	STANDARD							
7	EVAP	SHELL & TUBE							
8	PUMP	1.0 HP	1.0 HP	1.5 HP	1.5 HP	2.0 HP	2.0 HP	2.0 HP	3.0 HP
9	CONTROLLER	SUBZERO	MEGA CHILL						
10	TANK	200 LITRE	250 LITRE	500 LITRE	500 LITRE	500 LITRE	1000 LITRE	1000 LITRE	1000 LITRE
11	POWER	6.2 KW	10 KW	13.5 KW	16 KW	22 KW	20 KW	24 KW	29 KW



WATER MANIFOLD



WATER MANIFOLD : M.S.

TECHNICAL DATA

- BODY : MS / SS PIPE
- PRESSURE : 4-6 Bar
- TEMPERATURE : 100°C
- SIGHT GLASS : Polycarbonate with ss spring & Floater
- BALL VALVE : Brass with Nickle Plating
- HOSE NIPPLE : Brass with Nickle Plating
- INLET & OUTLET PARTITION : Air Jacketed.
- MOUNTING : 180mm C.D / Hole Ø9.0mm

OPERATION

- Colour code blue / red is for mould in let & out let connection in single channel.
- Manifold provides exact control of water flow to different cooling circuits, pressure gauge in mould inlet (Blue) indicates supplied water pressure & temp. Gauge in mould outlet (red) indicates temperature of return water from mould.
- Sight glass at return line (Red) is showing free water circulation inside mould cooling channel & also indicates / warn mould cooling channel blockage / clogging while operation.

WATER MANIFOLD : S.S.

TECHNICAL DATA

- BODY : SS (304) PIPE
- PRESSURE : 4-6 Bar
- TEMPERATURE : 100
- MAIN CONN. : ¾" 1" 1/2"
- DIST.CONN. : BUTTER FLAY VALVE / MINI BALL VALVE / HANDLE TYPE BALL VALVE
- Brass Hose Nipple with Nickle Platted /PU Fittings Simple & Compact design

WATER MANIFOLD : ALUMINIUM

TECHNICAL DATA

- BODY : Aluminium
- PRESSURE : 4-6 Bar
- TEMPERATURE : 100
- BALL VALVE : Brass with Nickle Plating
- DIST. CONNECTION : Brass Hose Nipple with Nickle Plating OR Push in Connection (for PU Pipe) inlet & Out let Separate channel
- MOUNTING DIMENSION : 180mm C.D / Hole

OPERATION

- Separate channel is for mould in let & out let connection.
- Manifold provides exact control of water flow to different cooling circuit, pressure gauge in mould in let indicates supplied water pressure & temp. Gauge in mould out let indicates temperature of return from mould.
- Top mounted dead plugs are for cleaning the separate channel as a preventive action.

ADVANTEGE

- Simple & compact design to mount on patten side due to light weight.
- Aluminium body provides corrosion free operation with rework facility.
- Perfect seal of each circuit (leak proof).
- Easy connection for supply & return on the bottom side of manifold and each of cooling circuit.
- Long lasting performance & excellent return of investment on expiry.

APPLICATION

- Injection moulding machine for mould cooling.
- Blow moulding machine for mould cooling.
- Pipe extrusion plant for Vacuum size cooling.

MACHINE LEVELING PADS



- Reduce vibration effectively, easy to install & stable.
- Oil proof, reduce noise.
- All parts electroplated, elegant and durable.

Model	Diameter	Bear (Kg)
AS-100	M-12	400-600
AS-140	M-16	600-1200
AS-190	M-18	1200-1500



ALL METAL SEPERATOR



METAL SEPERATOR

METAL DETECTION SYSTEM is designed to inspect any **free flowing bulk powder or granular materials** like grains, Pellets, flakes etc. Any free flowing materials may be passed through the vertical drop system. Material flows flow from feeder hopper in the pipe and falls by gravity, all metals will get separated from the material by metal sensing mechanism.

All the material contact parts are made of Stainless Steel to avoid contaminations.

REJECT MECHANISM

High speed reject valve diverts ferrous, non-errrous and S S contamination from the main flow, the reject valve is made of Stainless Steel (304) and is electrically / pneumatically operate.

SENSITIVITY :

A metal detector, sensitivity is usually defined as the diameter of the smallest size sphere, which is always detected.

Magnet have limitations, it separates only ferrous (Iron particles) but All metal detector seperates ferrous (Iron) / Non Ferrous (Aluminium, Copper, Brass, Silver, Gold, S.S. etc)

SALIENT FEATURES

- Proven in Plastics, Food processing, Chemical, Pharma, Textile & Rubber industries.
- High sensitivity & Reliable, low cost operation.
- Easy to install and Operate
- Auto reject mechanism
- All contact parts are made from stainless steel.
- Digital Control
- Vibration and Sock Proof
- 100% Indigenous
- Low maintenance and High performance.

Model	Aperture Dia (mm)	Sensitivity (mm)		Capacity (kgs/Hr)	Discharge Height (Inch)	Dimension (Inch)
		Ferrous	Non Ferrous			
AMS-80	80	0.7	1.0	300	26	29X29X65
AMS-100	100	0.8	1.2	500	26	29X29X65
AMS-120	120	1.0	1.4	1000	26	29X31X68
AMS-150	150	1.3	1.8	1500	26	30X31X96

LINEAR VIBRATING FEEDER



- Vibrating Hopper Feeder as per requirement of the application.
- Vibrating Hopper Feeder are used for easy flow of material in to the Metal Separator.
- All material contact parts of Hopper & Feeder are made from stainless steel to avoid contamination.

Model	Power (HP)	Capacity (Kgs/Hr)	Height (Inch)
AVF - 0.5	0.5	1000 Kgs	100
AVF - 0.75	0.75	1500 Kgs	108