

MOTORIAN

When Quality Matters

- HOPPER DRYER & OVEN
- DEHUMIDIFIER DRYER
- VACUUM LOADER / POWDER LOADER
- MOULD TEMPERATURE CONTROLLER
- VERTICAL MIXER / DOSER UNIT
- PLASTIC GRINDER
- ALL METAL SEPARATOR
- CENTRALISED CONVEYING SYSTEM
- CHILLERS / COOLING TOWER
- HRTC CONTROLLER /SEQUENTIAL TIMER
- MOULD RACKS
- PET CRYSTALLIZER
- DESCALING MACHINES / VIBRATOR
- SILOS & DAYBINS
- CUSTOM FABRICATION
- TURNKEY PROJECTS
- ALL TYPE OF SPARE PARTS



German Technology
Made in India

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HOPPER DRYER / HOT AIR DRYER

Performance Characteristics

- Pre-Heated material increases the efficiency of the processing machine and thus its productivity.
- Surface moisture is removed reliably. This minimize rejection and guarantees a contantly high product quality.
- Requires very little maintenance.
- Hopper and the internal parts are made of stainless steel, thus no damage caused by surface moistre.
- As the hopper body is separable from the bottom part, it is very convenient to clean the hopper so that it is quick to add another material.
- Overheat protection device to reduce the accidents caused by human being or mechanical breakdown.
- Magnetic base with transparent window.



HOPPER DRYER SPECIFICATIONS						
MODEL	CAPACITY (Kg)	HEATING (Kw)	BLOWER POWER (W)	EXTERNAL SIZE (LxWxH / cm)	BASE MOUNTING	WEIGHT (Kg)
JD-12	12	2.1	75	73x43x72	10.8x10.8x8	20
JD-25	25	3	135	77x46x82	15x15x10	32
JD-50	50	4.5	150	90x58x95	15.8x15.8x10	45
JD-75	75	6	210	100x68x115	15.8x15.8x10	55
JD-100	100	6	215	102x78x115	17.7x17.7x10	66
JD-150	150	9	215	110x76x105	17.7x17.7x10	78
JD-200	200	12	320	128x80x135	23x23x12	105
JD-300	300	12	320	130x82x160	23x23x12	150
JD-400	400	15	340	143x100x165	23x23x14	168
JD-600	600	20	1030	158x115x230	28x28x14	260
JD-800	800	27	1500	165x130x235	28x28x14	350

Hopper Dryer

Cabinet Dryer

CABINET DRYER SPECIFICATION					
MODEL	JD-5	JD-7	JD-12	JD-24	JD-36
HEAT POWER (KW)	1.5	3	4.5	9	12
BLOWER POWER (W)	100	400	400	400	800
TEMP. RANGE °C	250	250	250	250	250
NUMBER OF TRAYS	5	7	12	24	36
CAPACITY	25	50	100	200	300
TRAY SIZE (MM)	400x800	400x800	400x800	400x800	400x800



DEHUMIDIFIER AIR DRYER

Honeycomb & Molecular Sieve Type

Moto series combine a dehumidifying and drying system in a single unit. They are suitable for all kinds of plastics, especially for drying hygroscopic engineering plastics such as PA, PC, PBT, PET etc. It can reach dew point -40°C under ideal condition.

Moto Series are combined with honeycomb rotor and molecular down blowing fully stainless steel euro hopper dryer for reduced energy consumption & European standard safety circuit.



2-in-1
Honeycomb Dehumidifier

Honeycomb
Dehumidifier

2-in-1 Honeycomb Dehumidifier

MODEL	JD40L/30H	JD80L/50H	JD120L/80H	JD160L/120H	JD230L/150H	JD300L/200H	JD600L/400H	JD900L/700H	JD1200L/700H
Drying System									
Drying System	25kg	50kg	75kg	100kg	150kg	200kg	400kg	600kg	800kg
Process Heat Power (Kw)	3	4	6		7.5	12	18	24	24
Process Blower Power (Kw)	0.25	0.37	0.75		1.5	1.5	3.75	5.5	5.5
Drying Hopper Capacity	40	80	120	160	230	300	600	900	1200
Dehumidifying System									
Regen Heat Power (Kw)	3	3	4			6	7.5	10	10
Regen Blower Power (Kw)	0.25	0.25	0.25	0.25	0.4	0.4	0.75	2.2	3
DRY AIR CAPACITY (M3/Hr)	30	50	80	120	150	200	400	700	
Conveying System									
Conveying Blower Power (KW)	0.75	1.1			1.5			5.5	
Dia. Of Conveying Hose (Inch)	1.5							2	
Vaccum Hopper (L)	7.5					12		24	
Sensor Hopper (L)	7.5					12		24	
Dimesions HxWxD (cm)	182x112x72			198x118x82		116x150x105	242x176x128	262x193x136	318x296x136
Weight	230	320	360	530	540	591	685	892	934

Honeycomb Dehumidifier

MODEL	JD30H	JD50H	JD80H	JD120H	JD150H	JD200H	JD300H	JD400H	JD500H	JD700H	JD1000H
Process Air Flow (m/hr)	30	50	80	120	150	200	300	400	500	700	1000
Process Blower (kw)	0.25	0.4	0.75		1.5		2.5	3.75	5.5		9
Regen Heater (kw)	0.25				0.4		0.75		1.5		2.5
Regen Blower (kw)	3		4			6		7.5	10		15
Pipe Dia. (Inch)	2'			2.5'	3'				4'		5'
Voltage	3 Phase, 415V, 50Hz										
Dimension HxWxD (cm)	165x57x72			175x68x78		198x72x118		190x94x150		210x98x176	
Weight (Kg)	140			180		260		320		410	



VACUUM LOADER

Our Loader offer a wide choice of loader-blower sets and are designed for higher throughputs from 250kg - 1200kg. The unit are supplied with a seprate 3-phase floor standing blower station which is low noise and maintenance free. Also, available with two ma-terial lines with a common blower and can cater two machine simultaneously.

Performance Characteristics

- Stainless Steel Hopper, light weighted, durable, easy for cleaning
- Overload protection device on motor with PID control, easy for operation
- Independent Filter, convenient for cleaning accumulated dust
- Auto-alarming protection device for material shortage
- Induction type motor has strong suction force and long service life



Vacuum Auto Loader Specifications									
Model	Motor(kw)	Conveying Capacity(kg/hr)	Conveying Height	Material Hopper Volume	Pipe Diameter (mm)	External Size(mm)		Weight (kg)	
						Body	Hopper	Controller	Hopper
JD-300C	1	50	4.5m	6L	Dia38	Single phase	360x260x500	20	5
JD-400	1	150	4.5m	6L	Dia38	Three phase	360x260x500	20	5
JD-800G	1.1	250	4.5m	6L	Dia38	430x380x600	360x260x430	45	5
JD-800G1	1.5	550	5m	6L	Dia38	430x380x600	400x260x430	55	8
JD-3HP	2.2	650	7m	20L	Dia50	450x380x800	400x260x750	75	15
JD-4HP	3	700	8m	20L	Dia50	450x380x800	400x260x750	80	15
JD-5HP	3.7	700	8m	20L	Dia50	450x380x800	400x365x750	45	5
JD-7.5HP	5	900	10m	30L	Dia50	450x380x800	400x350x1000	55	8
JD-2HP-F	1.5	400x2	5m	12Lx2	Dia38	430x380x600	400x260x430	55	8x2
JD-3HP-F	2.2	400x2	7m	12Lx2	Dia50	450x380x800	400x260x750	65	12x2

MOULD TEMPERATURE CONTROLLER

Our Automatic mould temperature controller is mainly used to bring the mould to a specific operating temperature and hold that tem-perature constant by heatin and/or cooling a circulating fluid heat transfer medium. This series adopts heat-exchanging principle, using water or high-heat-conduction oil as transfer medium.

Mould Temperature Controller Specification								
Model	Max Temp	Heating Medium	Cooling Type	Heating Capacity (KW)	Pump Capacity		External Size	Weight (Kg)
					Flow Rate (LPM)	Pressure Bar		
JD-6W	30 °C - 120 °C	WATER	DIRECT	6	60	3	670x285x580	65
JD-9W				9	60	4	670x285x580	68
JD-12W				12	200	4	900x400x810	120
JD24-W				24	315	4	900x400x810	120
JD-6	60 °C - 190 °C	OIL	INDIRECT	6	45	3	670x285x580	70
JD-6A				6	60	4	670x285x580	73
JD-9				9	80/110	5.5/4	900x400x810	75
JD24				24	200	4	900x400x810	120
JD24A				24	315	4	900x400x810	120



Water & Oil Based MTC

Metal Seprator (Ferrous & Non-Ferrous)

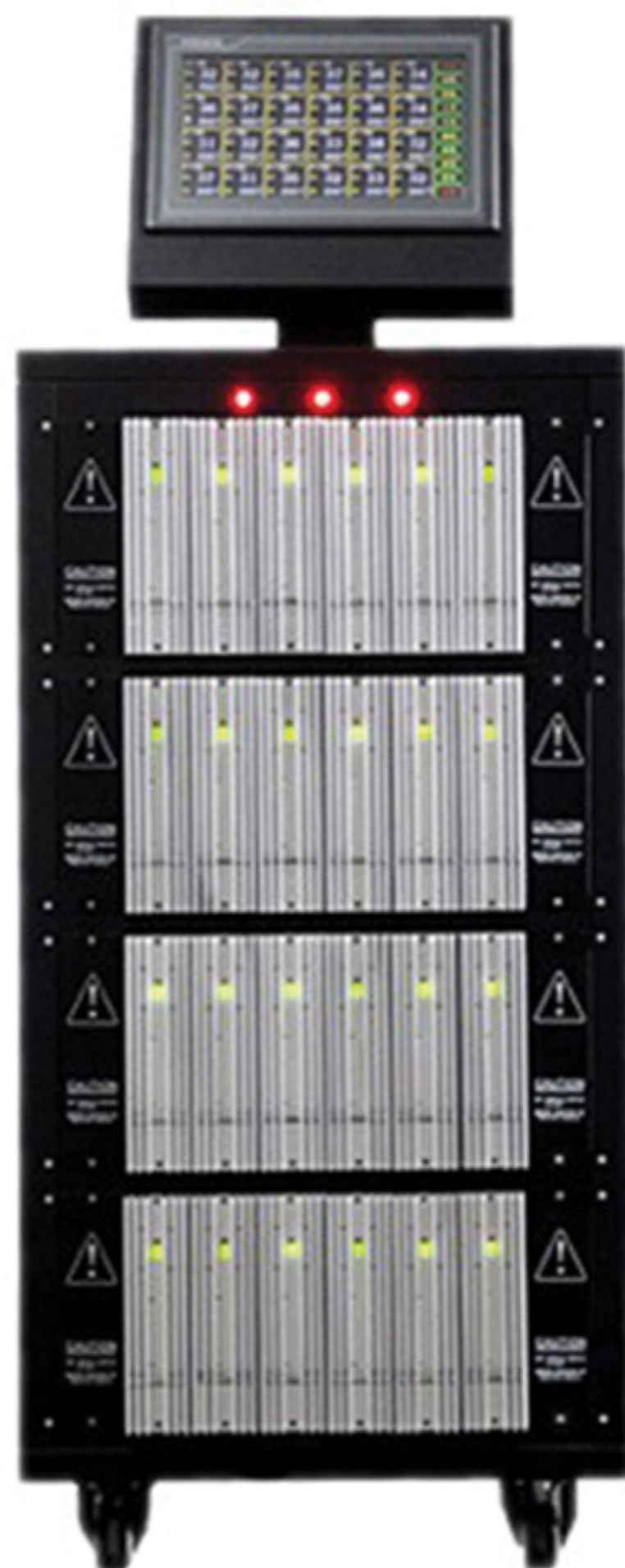
Remove or separate metal particles (such as ferrous, iron, aluminum, brass, copper, stainless steel etc.) that may present in the plastic granuete (even when the metal particles are enclosed in the product). Metal separator can prevent metal entering injection moulding machines, which can reduce damages to moulds , hot nozzles and valves. Companies can also use this machine to protect extruders, injection moulding and blow moulding machines etc.

METAL SEPARATOR SPECIFICATION				
Detector Pipe Diameter (mm)	Max.throughput (L/H)	Sensitivity (Fe)	Sensitivity (Non-Fe)	Sensitivity (SUS)
50	2000	0.5mm	0.8mm	1.0mm
70	5000	0.8mm	1.0mm	1.2mm
100	12000	1.0mm	1.2mm	1.5mm
120	16000	1.2mm	1.5mm	2.0mm
150	25000	1.5mm	2.0mm	2.5mm
200	44000	2.0mm	2.5mm	3.0mm
250	69000	2.5mm	3.0mm	3.5mm



HRTC CONTROLLER

We offer hot runner temperature controller, customized according to your needs and specification.



HRTC PCB Card Types

HRTC With TouchPad

SEQUENTIAL VALVE GATE

We offer Sequential Valve Gate controller, customized according to your needs and specification.



Sequential Card



Sequential Timer Card Type



PCB Board Type



PLC Based



VERTICAL BATCH MIXER

Performance Characteristics

- The internal surface of the equipment made of stainless steel to avoid contamination of the raw material
- Interlock position device to ensure the safety for the operator
- Automatic stop device. The automatic stop in 0-30 minutes can be set
- Vertical design, less space occupied, easy dismounting



Vertical Batch Mixer Specification				
MODEL	Power(Kw)	Mixing capacity(Kg)	External Size(W)	Weight(Kg)
JD-50	1.5	50	830x830x1120	130
JD-100	3	100	1000x1000x1280	190
JD-150	4	150	1130x1130x1380	250
JD-200	7.5	200	1200x1200x1500	320

Dosing Unit



Features:

- Dosing screws are chrome plated for durability.
- Unit is comprised of standard modules for ease of cleaning, disassembly and interchangeability.
- Three-tube magnet is equipped at the base of single color do ser to absorb metal impurities so to prevent screw of molding machine from damage.
- Blender is standard equipment for double color doser to make the material evenly mixed, while also a optional equip-

PET CRYSTALIZER

We offer crystalzer, custom-ized according to your needs and specification.

Features:

- Constant, fixed speed of agitator keeps PET material moving to prevent clumping as it is heated during the crystallization process.
- Simplifies and improves drying efficiency (even under high temperatures).
- Cyclone dust collector for dusty resin. Filter bag changing is reduced, extending the lifespan of the bag.utput.
- Double overheat protector reduces the possibility of either mechanical or man-made heating problems.



Vibrating Screen for Granuals

We offer Vibrator, customized according to your needs and specification.

The Machine is useful for sieving of plastics, feeds, chemicals, dust etc with different mesh sizes, the motor provides strong vibration that the material could flow automatically and evenly; hence divides granules with different sizes and rids off dust, Saving time and energy.

GRANULATORS / PLASTIC GRINDER

Designed to crushing various materials, re-use and semi-finished products made of plastic and rubber materials such as PVC, PC, HIPS, Nylon, ABS, HDPE, PET etc.

Performance Characteristics

- Integral body, sturdy and durable, keeps excellent performance even after long-term crushing
- Heavy load bearing and dust protection device, the noise-Proof board prevents vibration and noise effectively
- With overloading protector on the motor and interlock protection device on the power source.
- Blades are made from high quality steel thus have high strength
- Water Cooling as option
- Level pad has an option
- Removable tray on mobile wheels
- With wheeled feet, convenient for moving in medium & low speed granulators.



High Speed Crusher



Medium Speed Crusher



Low Speed Crusher



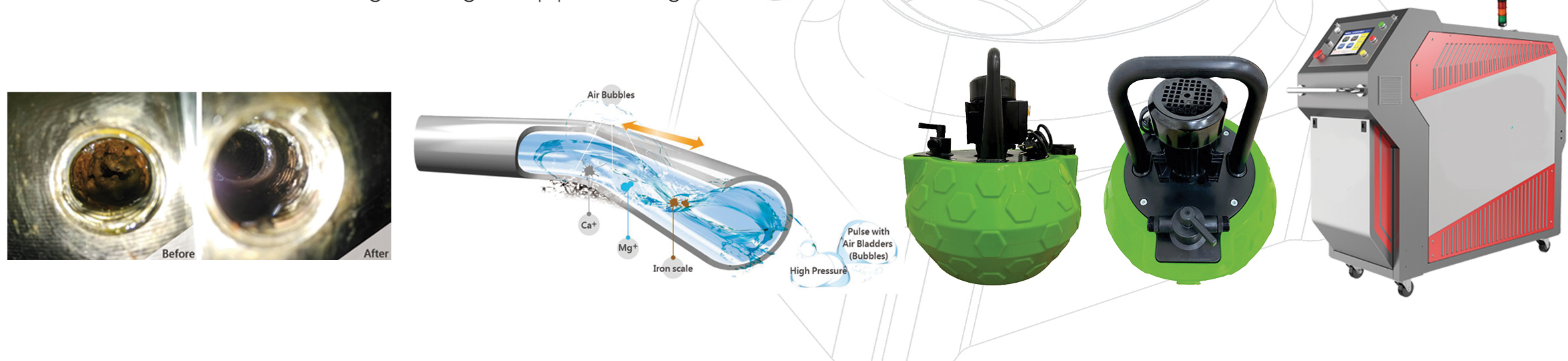
SoundProof with Dust Collector

Granulators							
Model	Throat Size(mm)	Crushing Capacity(Kg/hr)	Rotating blades	Fixed Blades	Motor (kw)	Dimensions	Weight (Kg)
High Speed Granulators-680RPM							
JD-230F	200x230	75-100	3x2	2x1	4	920x610x1050	250
JD-300F	200x300	100-150	3x3	2x1	5.5	950x740x1190	400
JD-400F	235x400	200-250	3x4	2x1	7.5	980x840x1300	500
JD-500F	290x500	300-350	3x5	2x1	11	1100x1020x1530	950
JD-600F	320x600	350-400	3x6	2x2	15	1200x1110x2300	1300
JD-800F	540x810	450-600	3x4	2x2	22	2200x1500x2300	2100
JD-1000F	660x1000	600-850	3x5	2x2	30	2300x1750x2650	2500
Medium Speed Granulators-280RPM							
JD-180FET	190x180	30-40	9	2	1.5	1020x400x1115	120
JD-240FET	200x250	50-60	12	2	2.2	1020x400x1115	160
JD-310FET	200x310	60-75	12	2	2.2	1100x500x1200	200

DESCALING / CLEANING MACHINE

Customised & Imported As per Requirements.

- Used for descaling injection molding machine, heat exchangers, cooling line circuit & mould / die etc.
- Multi-function: Efficient cleaning, leaking test, pipe drainage antirust, flow detection and data records.



INDUSTRIAL CHILLERS

- New well-known brand of compressors and high efficiency shell-and-tube condensers and evaporators combined, super-compulsory cooling, quiet and power saving.
- PID Microcomputer Full Function control, Easy to operate, Can accurately control water temperature in the range of 3°C to 50°C.
- Special new design of stainless steel open water tank, easy to clean and repair. Perfect internal current overload protection, device and abnormal indication system.
- Screen colleagues LCD display cold water outlet, cold water inlet and equipment set temperature.
- Can manage single, double and four machine combination with high efficiency.

WATER COOLED CHILLER SPECIFICATION										
Model	Kcal/h Refrigeration Capacity	Power (KW)	Water Pump (KW)	Evaporator	Condenser	Compressor	Water Diameter/Inch	Flow Rate (LPM) / Cooling Volume	Dimension L*W*H / CM	Weight (Kg)
JD-5W	13690/R22	4	0.37	Coiled Tube Type	Shell & Tube Type	3.75	3/8*4	2.1/2.8	90*28*99	120
JD-10W	23221/R22	25	1.5			3.75*2	2	5.2/6.8	130*70*130	280
JD-15W	42120/R22	14	1.5			3.75*3	2	8.5/10.7	168*70*130	420
JD-20W	56758/R22	25	1.5	Straight Tube Type		7.50*3	2	9.5/14.1	168*70*145	480
JD-25W	69120/R22	31	2.2			9.50*2	2.5	14/17.5	168*70*145	580
JD-30W	54303/R22	25	2.2			7.50*3	2.5	17/21	186*80*152	690
JD-40W	110585/R22	45	3			9.50*3	2.5	22/27	186*80*152	780
AIR COOLED CHILLER SPECIFICATION										
JD-5	11990/R22	4	0.37	Coiled Tube Type	Fin Type	3.75	3/8*4	2.1/5000	100*53*116	160
JD-10	23889/R22	11	1.5			3.75*2	2	4.8/10000	136*72*140	320
JD-15	36965/R22	15	1.5			3.75*3	2	7.5/15000	165*85*185	580
JD-20	50150/R22	19	1.5	Straight Tube Type		7.50*3	2	9.5/20000	166*85*176	650
JD-25	60683/R22	22	2.2			9.50*2	2	12.1/25000	166*85*176	660
JD-30	73992/R22	28	2.2			7.50*3	2.5	15/30000	245*99*195	880
JD-40	96675/R22	38	3			9.50*3	3	18.8/40000	145*99*194	1100



Air Cooled Chillers



Water Cooled Chillers



Water Screw Chillers

INDUSTRIAL COOLING TOWER

Metal cooling tower from 5 to 2000 tons and fibreglass units from 5 to 500 tons. Equipment, chemicals and testing programs offered. Cooling towers, Water reservoir and pumping systems, water filtration and treatment equipment available.

- Corosion Resistance
 - Light Weight
 - Low life cycle cost
- Environmentally Safe
 - Ease of maintenance
 - Consistent of Structural
- Non Conductivity
 - Modular Evaporation Panel



Centralized Conveying System

Our centralized material conveying system provides the precise solution to control and monitor the auto operation of equipments. Suit for the integrity of the material of huge capacity, eliminates waste and improves the cost effectiveness of the factory, include system control stations, dehumidifying & drying system and material conveying system. Besides,

Other more options for your needs: mold temperature controller system, auto dosing mixer system and instant recycling system.

Benefits:

- Elevate production performance and standard.
- improve health and safety for production personnel.
- Better company image.
- Lower labor cost.
- Better energy efficiency.
- Less material waste and pollution during the conveying process.
- Cleaner working environment.
- Less noisy due to the separation of the blowers from the working place.

Centralized Control Station:

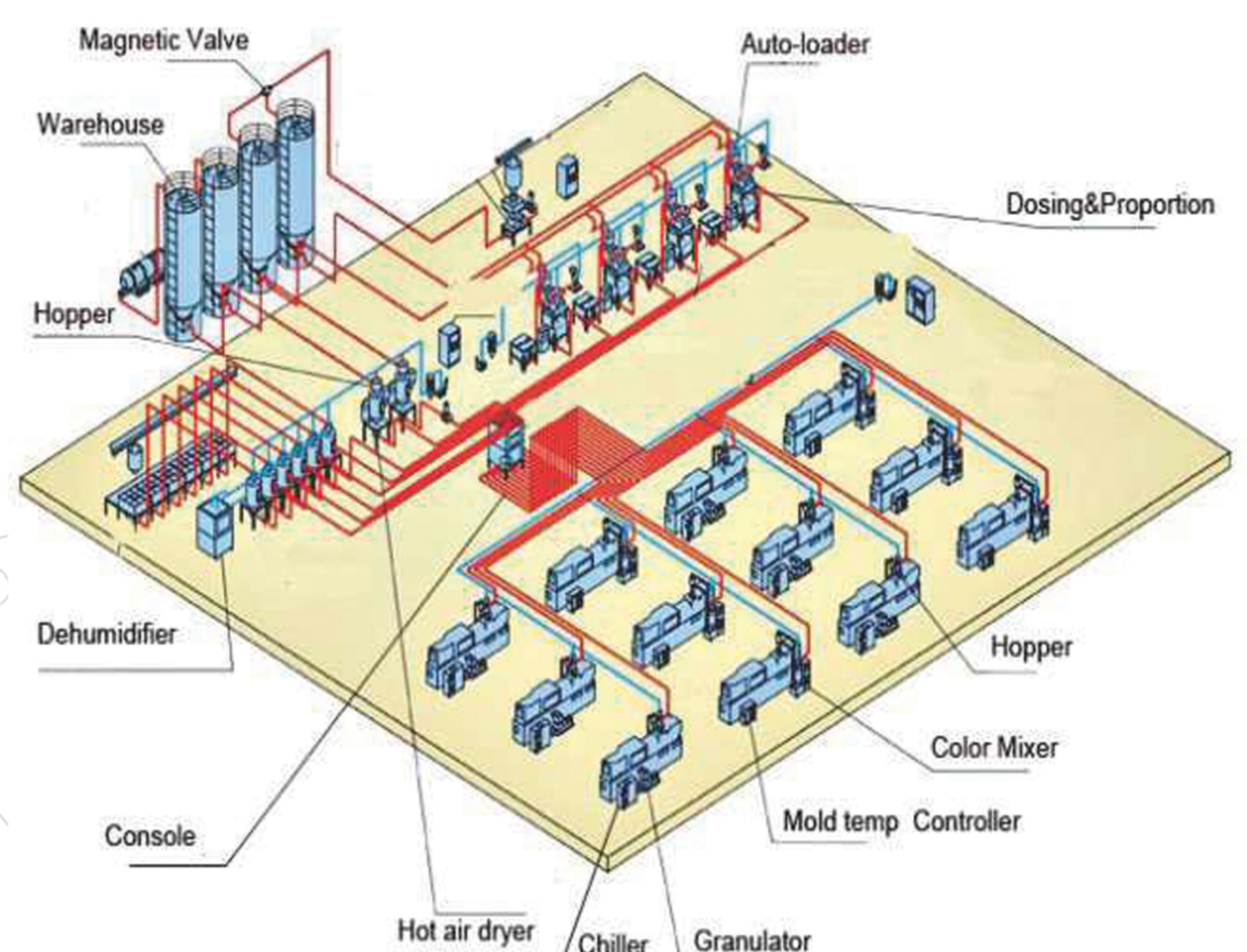
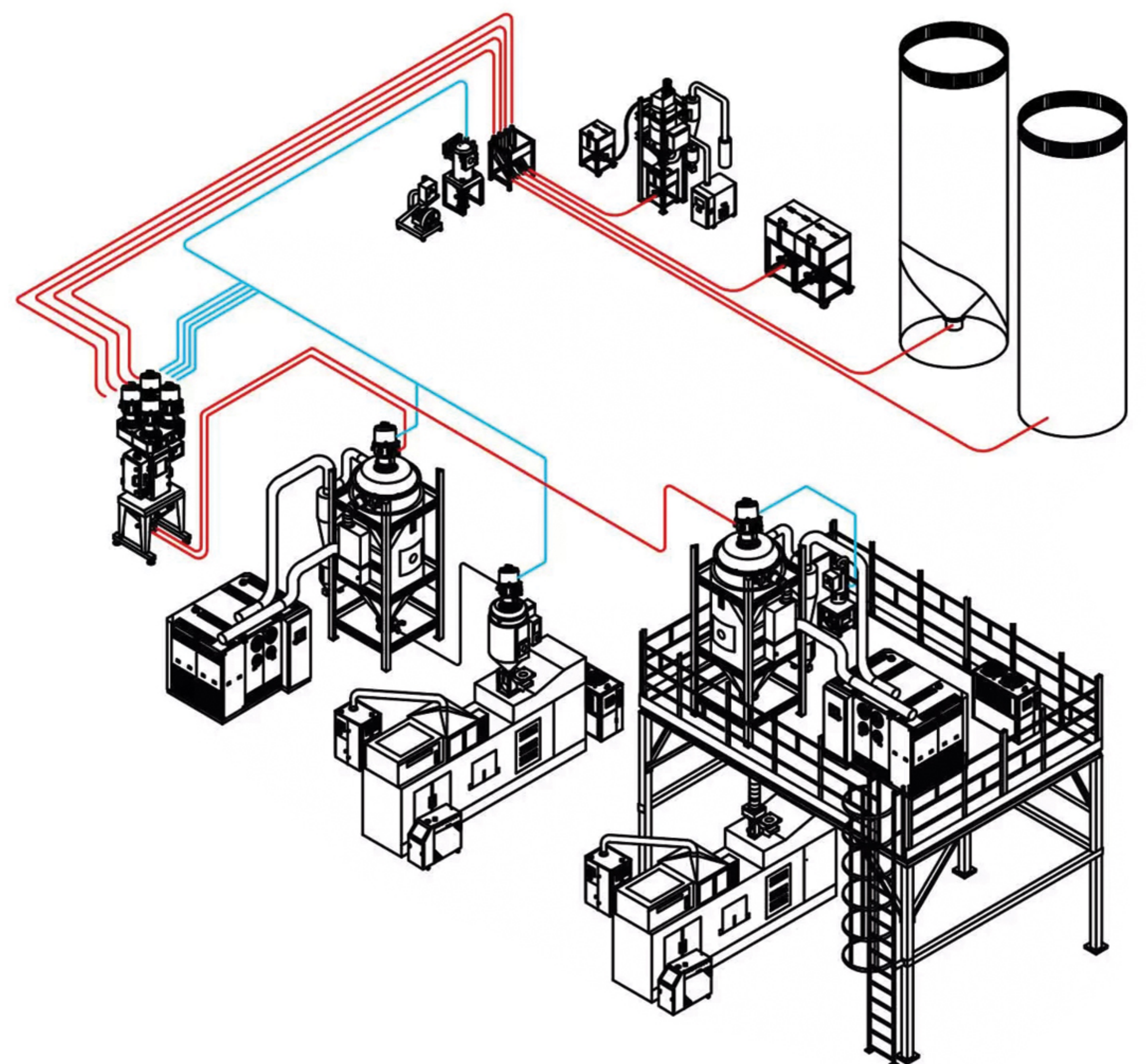
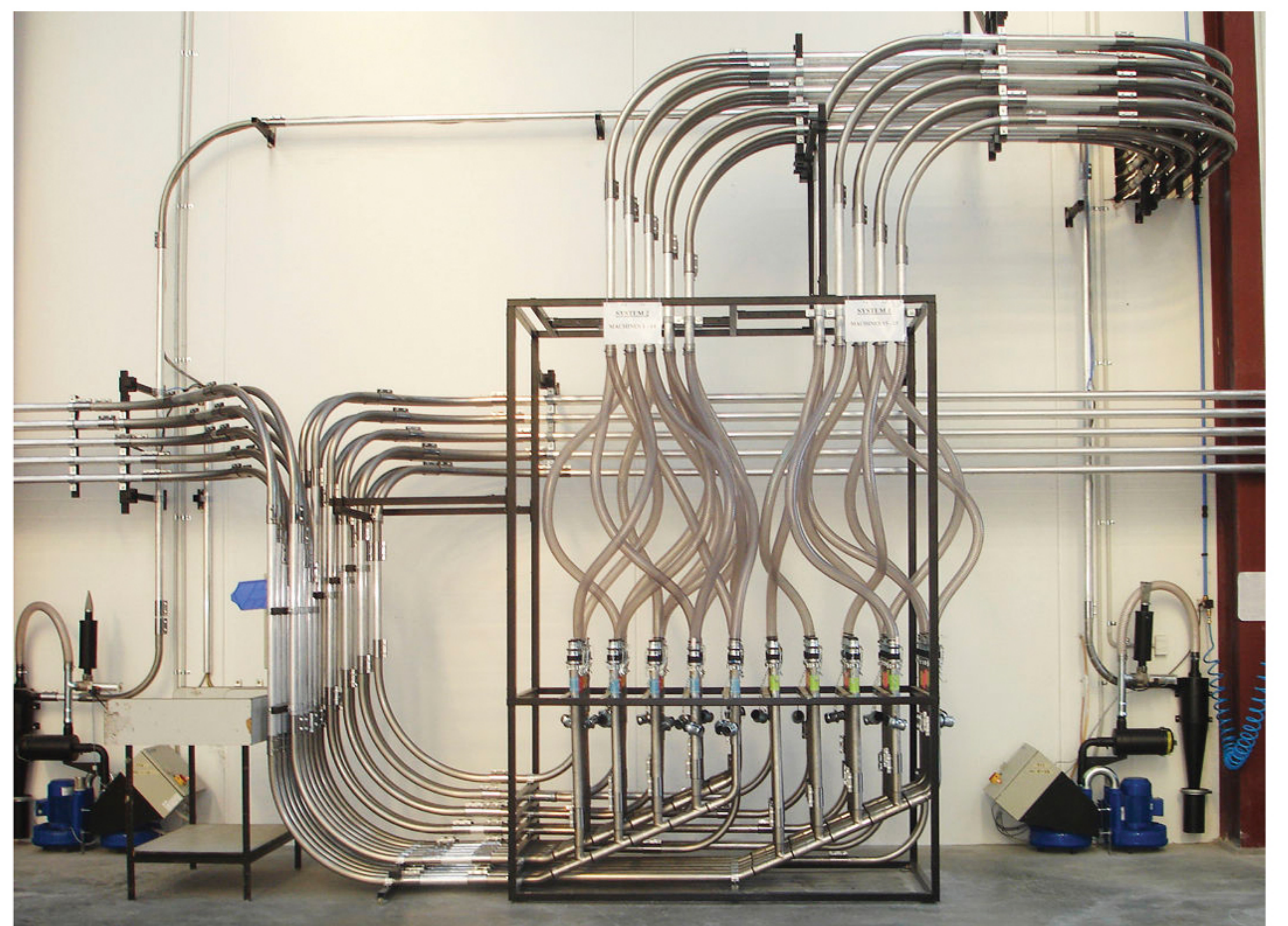
- Featuring a Siemens fully programmable controller operated via a touch screen.
- The system will handle up to 12 stations, with the optional extension up to 24 stations.
- This new range of controller uses a color graphic screen giving high speed access and system response to its easy to follow system function settings, on screen manuals and self diagnosis for fault finding.
- All on line operating instruction and maintenance guides are also contained, accessed and viewed on the controller screen.

High Pressure Blower:

- Air flow and pressure adjustable.
- Maximum conveying distance almost to 150 meters.
- Suitable for conveying the material of large capacity.

Pulsation Dust Collector

- Collect dust from the conveying system efficiently.
- Easy to maintain: change the filter termly and clean conveniently.
- Equips with pressured air accumulator to supply sufficient pressured air when running self cleaning.



FABRICATIONS

We offer wide choice of silos, daybins, and mould racks, customized according to your need and specification.

Mould Racks / Storage Racks



Stainless Steel Daybins



Conveyors

We're one of the trusted suppliers of conveyors for various applications. Our belt conveyors for dedicated high-volume loading / unloading of containers, trailers, and boxed vehicles with parcels, cartons sacks, bags, tyres, and other loose items

We can customize the conveyors according to your need and specification which includes both length and height (within limits for heights)



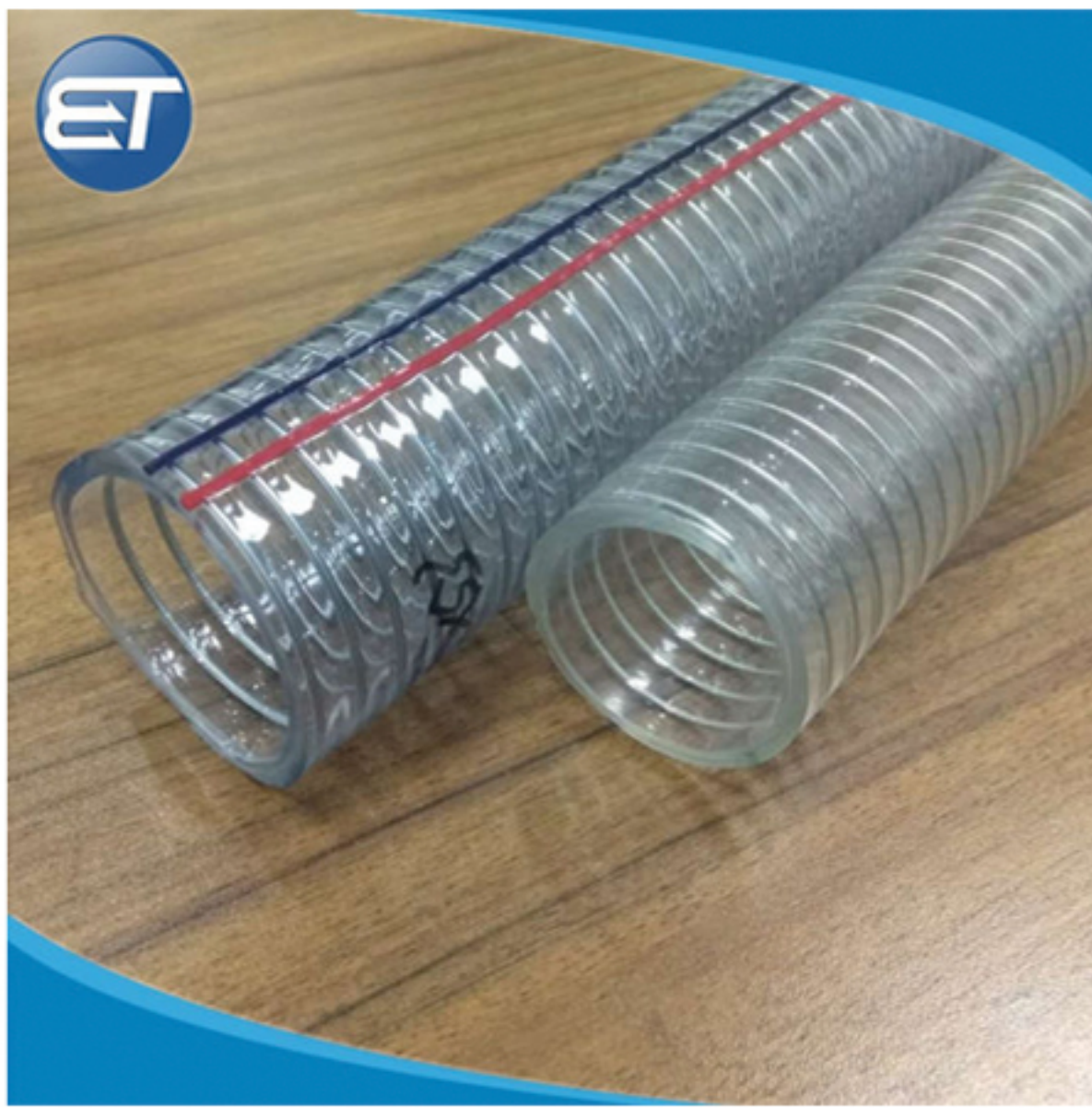
ALL TYPE SPARE PARTS - Customized according to your requirements.



PU Hose



Silicon Hose



PVC Hose



Granulator
Blades



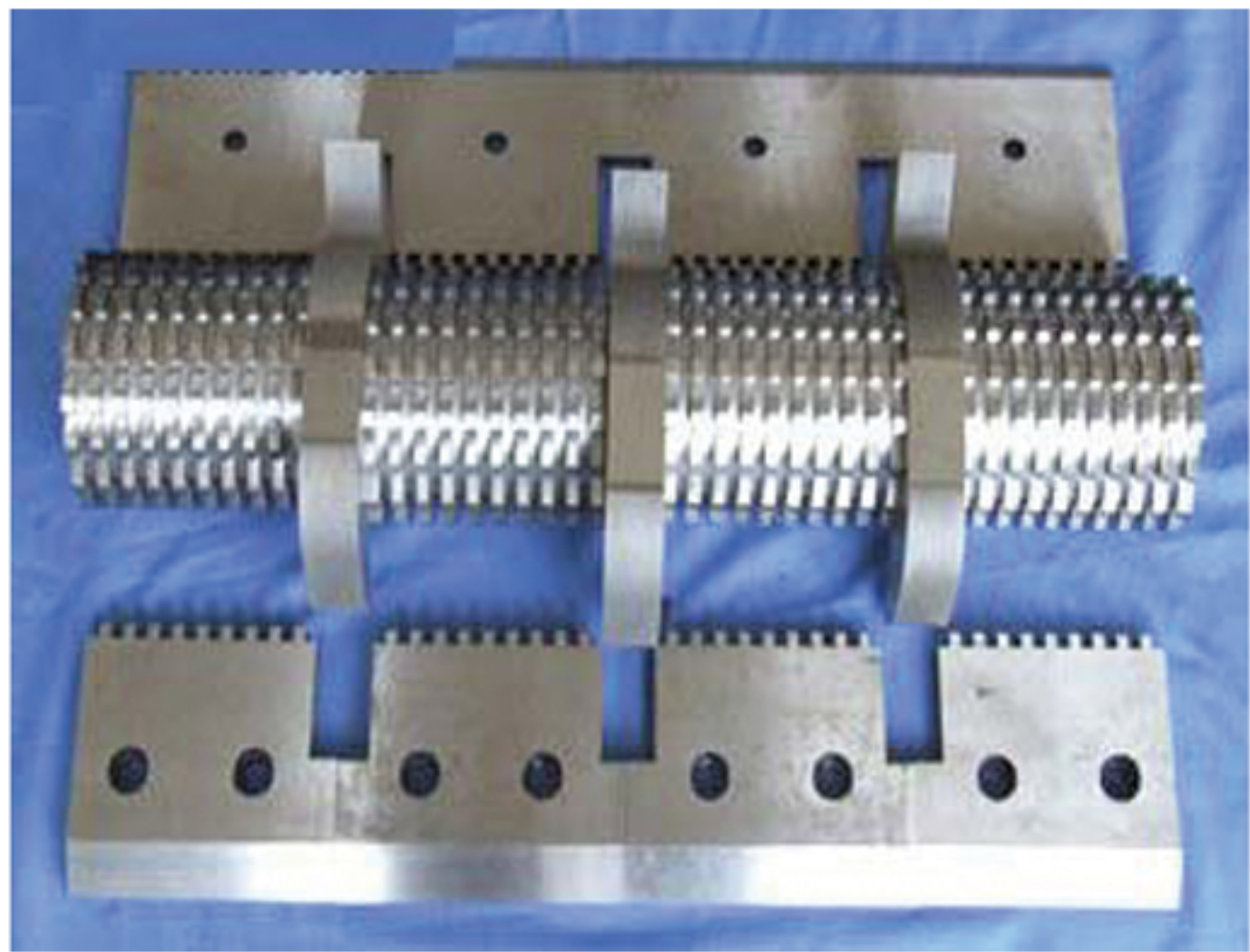
PV Valve



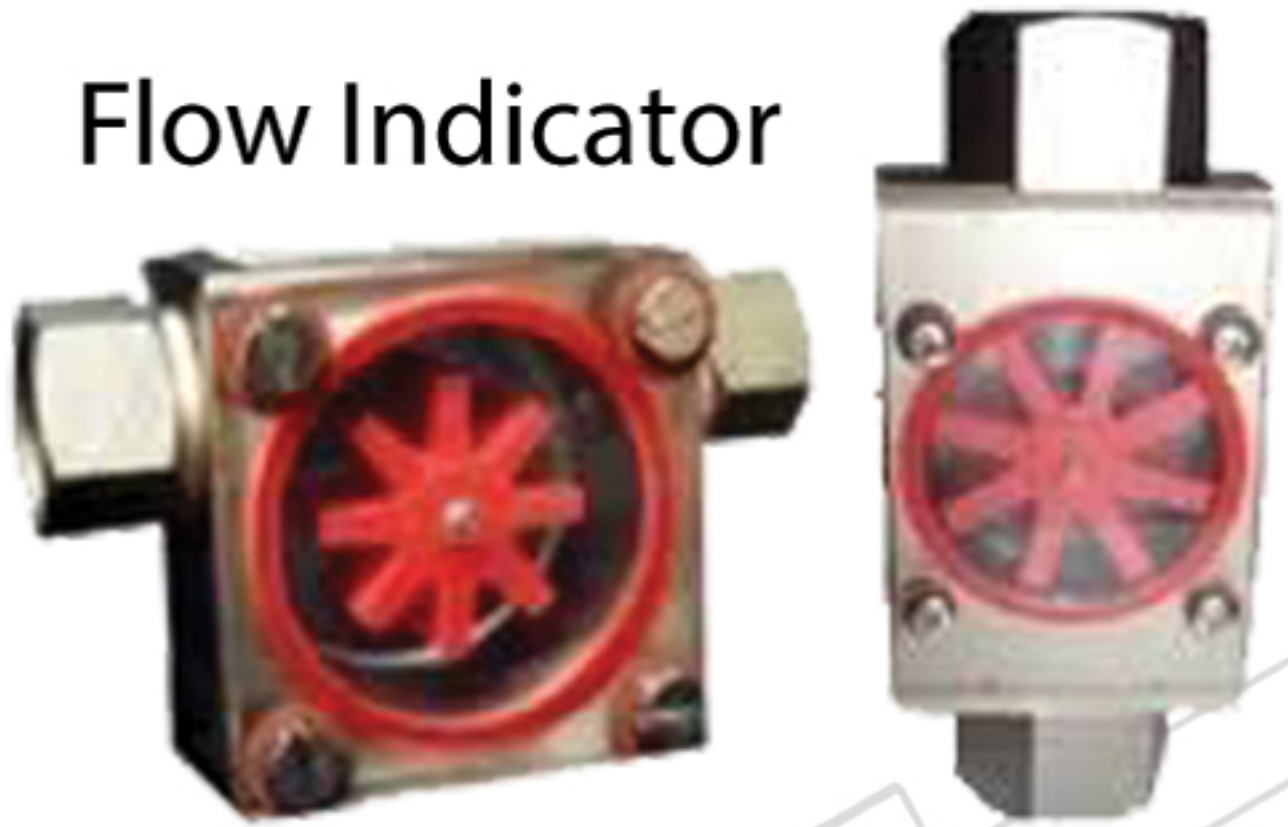
Magnetic Grill



Heater



Flow Indicator



PID

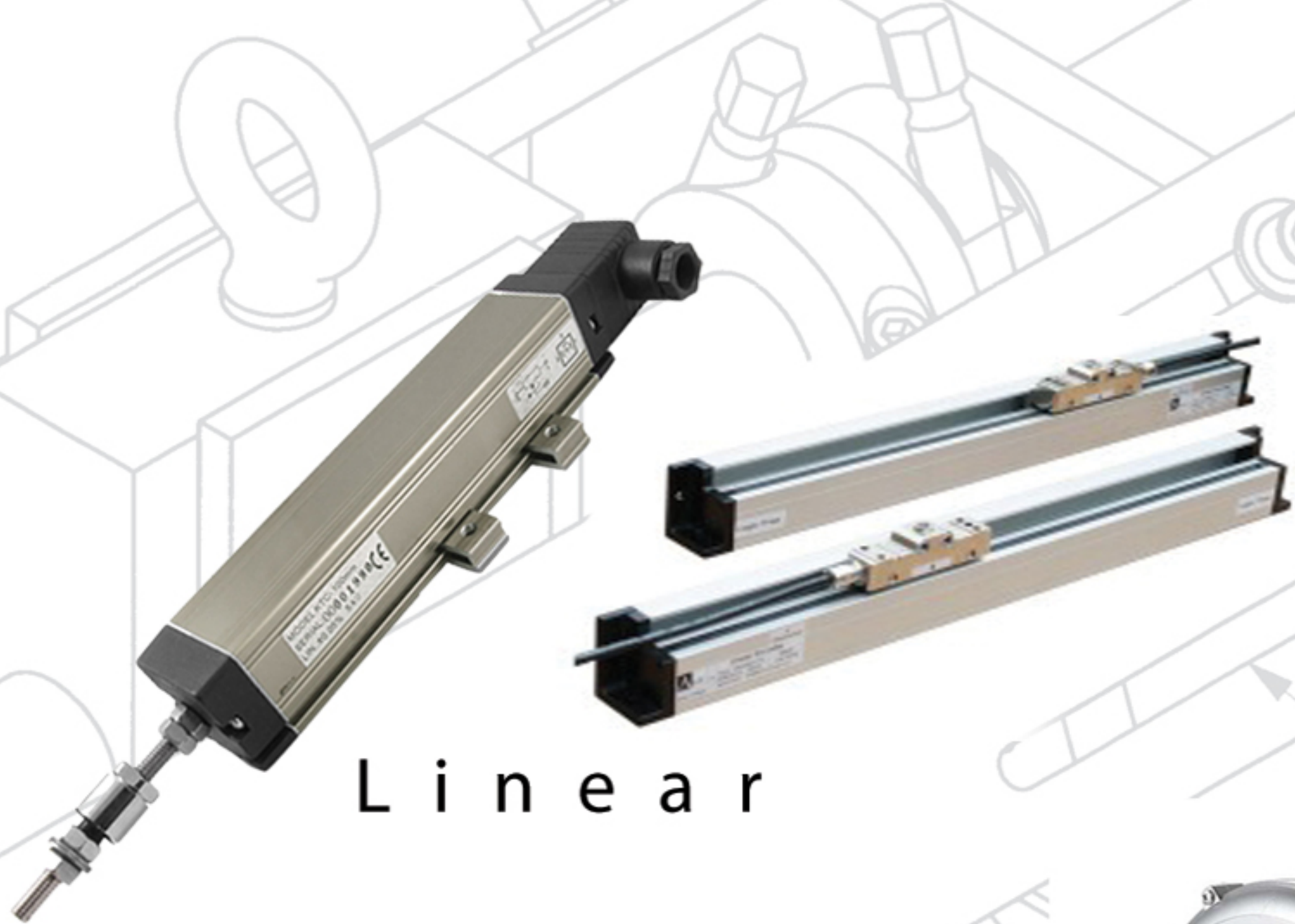


Filters



Grease
tridge

Car-



Linear



Blower



Manifolds



Air Pressure Switch



Vacuum Blower



Water Oil Pumps



Fan Blower



Hot Runner with Coil Heater



Mold Coil Heaters



All Type
Thermocou-



Hot Runner

ABOUT MOTORIAN

When Quality Matters

We believe in having 100% transparency with our customers and maintaining a long term trust relationship which is a core of any business. We sincerely believe in the fact that our growth is directly proportional to growth of our client's business. We have a polite staffs that render information over phone and email.

We manufacture and market over different products, including drying systems, mixer, feeders and material-conveying systems, temperature-control equipment and granulators. We're also leader in plastics process integration, engineering and installing complete manufacturing systems and Metal Separators that help plastics processors manage their valuable raw materials, handle their critical manufactured parts, and improve their process yield.

Not only we just sale & Supply these products, but our service range also includes Post Sales Support, Servicing, Installation and technical expertise.

OUR OTHER VENTURES



MOTORIAN

CORP: PLOT 341, FLAT NO 1, INDER APARTMENT, READYMADE WALI GALI, NEW DELHI 110030 IN
FACTORY: Plot 6, NACHOLI, FARIDABAD, HARYANA 121002 IN

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