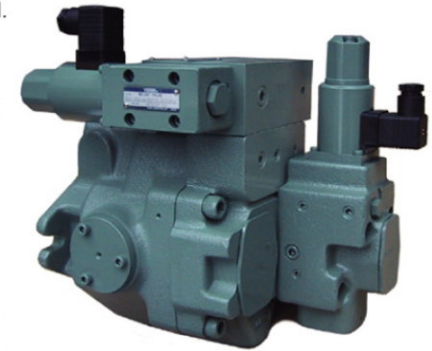


INTEC-PVC SERIES



- Wide safety doors are fit for the core pulling cylinder of fittings moulds.
- Two groups core pulling devices, 2 in & 2 out for each group.
- Hard chroming nozzle with bigger nozzle hole ensures high quality of products of U(C)PVC.
- With corrosion resistance, hard chroming special screw for the PVC powders can plasticize U(C)PVC powders evenly.
- Multi-stage air-cooling ensures exact temperature control necessary for U(C)PVC which has narrow melt range.
- The increased hydraulic motor meets the requirements of high torque when PVC powders plasticized.
- Driven by the servomotor or variable pump in order to save energy.

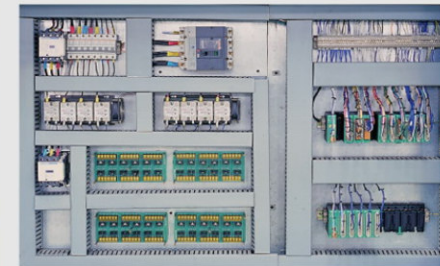
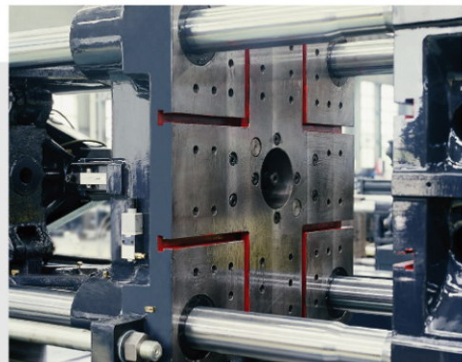
- Specially designed nitride steel screws for PVC.
- Bimetallic screws fit for corrosive materials or fiber glass (Optional). Twin cylinder nozzle movements (export) and balance on both sides ensure no leaking of materials.
- Blowing at barrel ensures exact temperature control.



- Five points tri-toggle clamping unit, finite-element analysis for platen design and modular structure guarantee rigidity of clamping as well as prolonged operation life.
- Thread hole or T slot (Export) for varies mould setting.
- Self-lubricated bushes in toggle system.
- The moulds can be adjusted automatically and meticulously according the preset clamping pressure.
- Centralized lubrication system.



- Pressure & flow proportional load induction hydraulic system.
- Hydro-motor, pumps, valves, seals and high pressure hoses from prestigious brands to ensure high quality.
- Mechanic, electric and hydraulic (Option) mould safety protection.
- Injection, clamping and ejection transducers.



- Waterproof cabinet. World-brand electric parts ensure reliability.
- Special controller used for high precision injection molding machine. Multiple languages in.

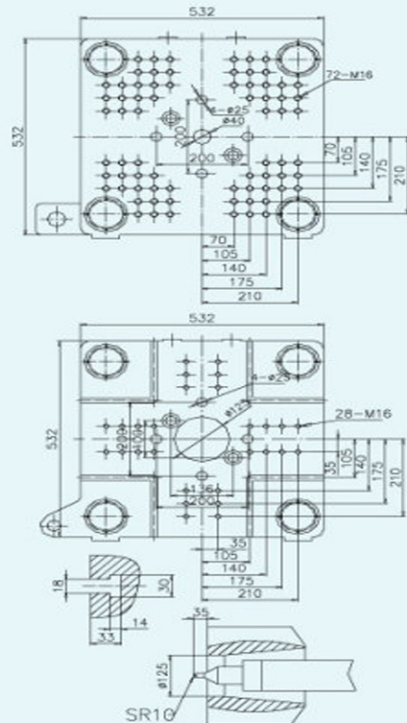
INTEC-PVC SERIES



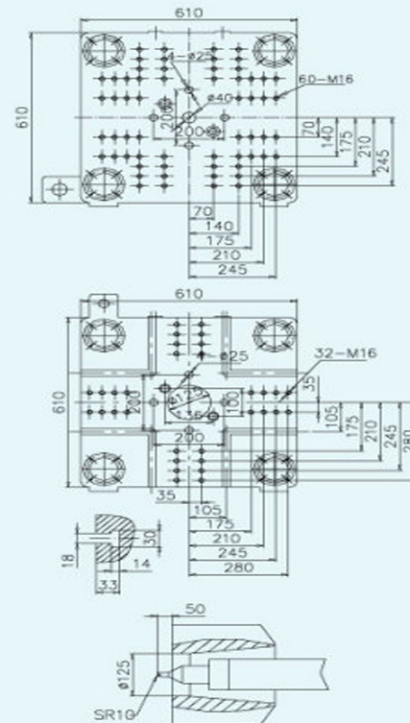
PVC PARAMETERS

			100PVC			140PVC			160PVC			188PVC			230PVC		
			A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
INJECTION UNIT	Screw Diameter	mm	35	38	42	40	45	50	40	45	50	45	50	55	50	55	60
	Screw L/D Ratio		21.7	20.0	18.1	22.5	20.0	18.0	22.5	20.0	18.0	22.2	20.0	18.2	24.0	21.8	20.0
	Theoretical Shot Volume	cm ³	158	186	227	220	278	343	251	318	393	334	412	499	488	591	703
	Injection Weight(UPVC)	g	205	242	295	286	361	446	327	413	510	434	536	648	635	768	914
	Injection Rate into Air	cm ³ /s	84	99	121	91	115	142	116	147	182	126	156	189	133	160	191
	Injection Pressure	bar	1939	1645	1347	2015	1592	1290	2015	1592	1290	2175	1762	1456	2230	1843	1559
	Injection Stroke	mm		164			175			175			210			249	
CLAMPING UNIT	Screw Speed	rpm		0~187			0~190			0~237			0~157			0~154	
	Clamping Force	KN		1000			1500			1500			1880			2200	
	Clamping Stroke	mm		320			420			420			470			510	
	Space Between Tie Bars	mm		360x360			410x410			460x460			510x470			560x530	
	Max.Mold Height	mm		350			460			460			500			550	
	Min.Mold Height	mm		100			180			180			180			200	
	Ejector Stroke/Force	mm/KN		100/38			120/38			120/38			125/53			135/62	
OTHERS	No.of Ejector Pins	piece		5			5			5			5			9	
	Max.Pump Pressure	MPa		16			16			16			16			16	
	Pump Motor Power	KW		11.0			15.0			15.0			18.5			18.5	
	Heater Power	KW		4.6			7.4			7.4			9.3			12.0	
	Hopper Capacity	Kg		25			25			25			50			50	
	Oil Tank Capacity	L		180			245			245			310			400	
	Machine Dimension(L x W x H)	m		4.1x1.1x1.8			4.8x1.25x2.15			4.8x1.25x2.15			5.3x1.6x2.1			6x1.6x2.2	
	Machine Weight	T		3.5			5.0			5.0			6.7			8.0	

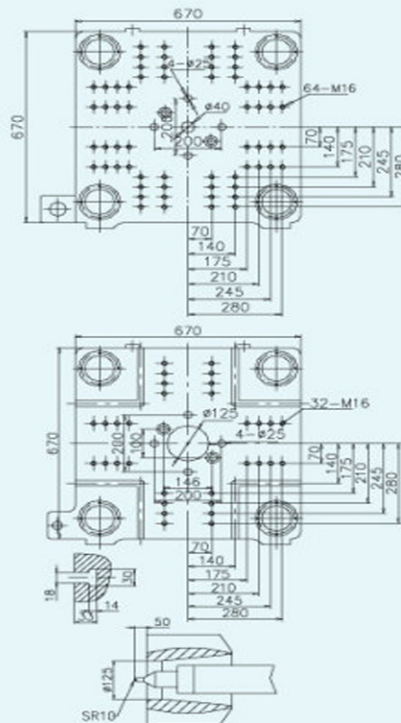
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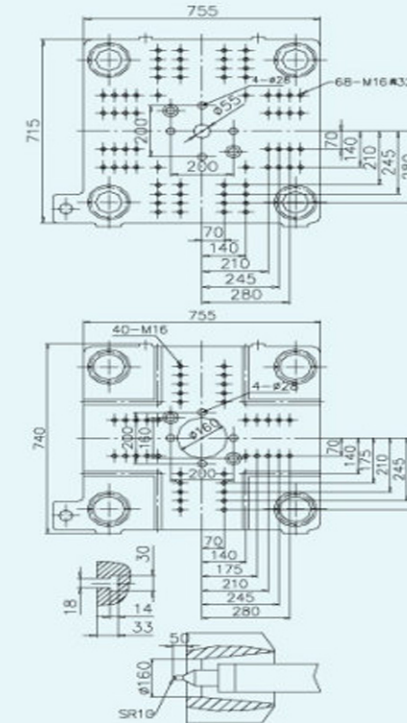
100PVC



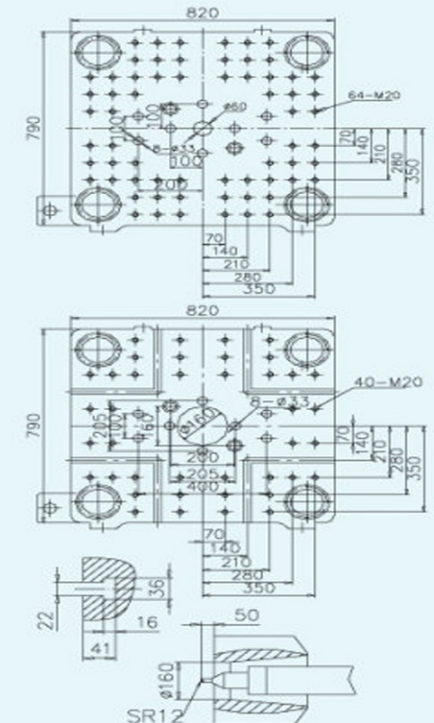
140PVC



160PVC



188PVC



230PVC

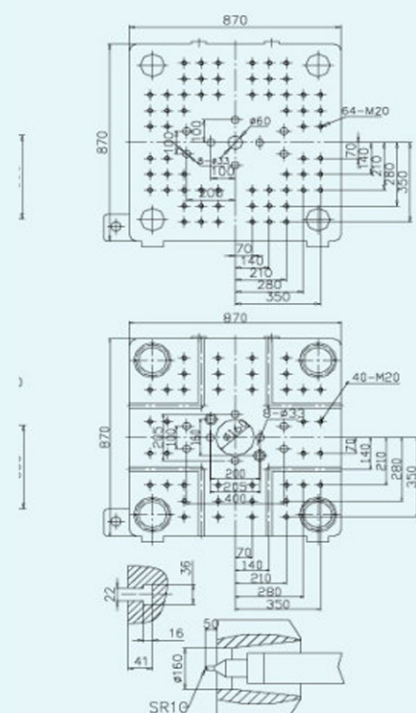
INTEC-PVC SERIES



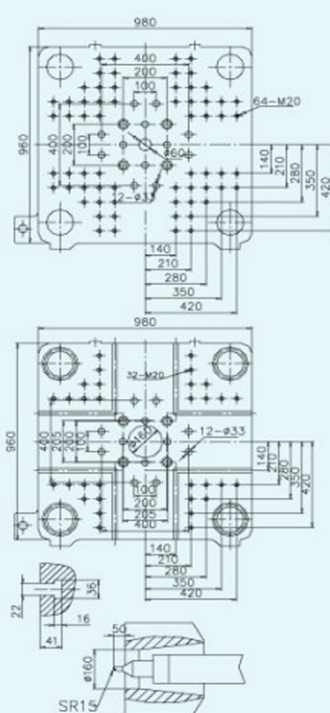
PVC PARAMETERS

			280PVC			320PVC			400PVC			500PVC			650PVC			850PVC		
			A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
INJECTION UNIT	Screw Diameter	mm	55	62	67	62	67	72	70	75	80	75	80	85	80	90	100	90	100	110
	Screw L/D Ratio		22.5	20.0	18.5	22.7	21.0	19.5	21.4	20.0	18.8	23.5	22.0	20.7	24.8	22.0	19.8	24.4	22.0	20.0
	Theoretical Shot Volume	cm ³	651	827	966	827	966	1116	1385	1590	1809	1762	2005	2263	2372	3002	3706	3238	3997	4836
	Injection Weight(UPVC)	g	846	1075	1255	1075	1256	1450	1801	2067	2352	2291	2607	2942	3084	3903	4818	4209	5196	6287
	Injection Rate into Air	cm ³ /s	153	195	227	275	321	371	341	391	445	382	434	490	463	586	723	599	740	895
	Injection Pressure	bar	2189	1723	1475	1724	1476	1278	1748	1523	1339	1865	1639	1452	2240	1770	1434	2184	1769	1462
	Injection Stroke	mm		274			274			360			399			470			509	
CLAMPING UNIT	Screw Speed	rpm		0~133			0~112			0~179			0~136			0~132			0~103	
	Clamping Force	KN		2800			3200			4000			5000			6500			8500	
	Clamping Stroke	mm		550			610			690			770			900			1000	
	Space Between Tie Bars	mm		580x580			610x610			720x720			800x800			900x900			1000x1000	
	Max.Mold Height	mm		600			650			730			800			920			1000	
	Min.Mold Height	mm		200			220			220			250			320			350	
	Ejector Stroke/Force	mm/KN		165/70			167/70			180/126			231/126			245/170			280/200	
OTHERS	No.of Ejector Pins	piece		9			9			13			13			17			21	
	Max.Pump Pressure	MPa		16			16			16			16			16			16	
	Pump Motor Power	KW		22.0			30.0			37.0			45.0			67.0			82.0	
	Heater Power	KW		13.0			15.0			16.2			19.8			30.1			42.5	
	Hopper Capacity	Kg		50			50			100			100			160			160	
	Oil Tank Capacity	L		500			520			720			900			1300			1500	
	Machine Dimension(L x W x H)	m		6.2x1.7x2.25			7.3x1.9x2.5			7.6x2x2.6			8.3x2.2x2.7			10x2.5x2.9			11.3x2.8x3.1	
	Machine Weight	T		9.0			12.0			15.0			20.0			38.0			51.0	

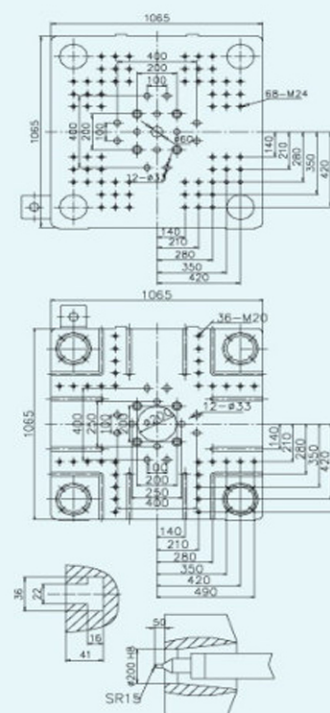
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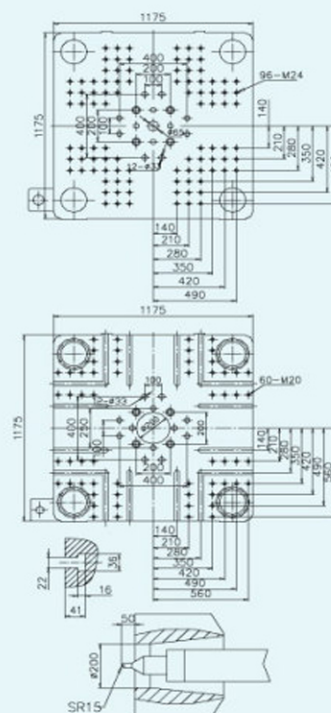
280PVC



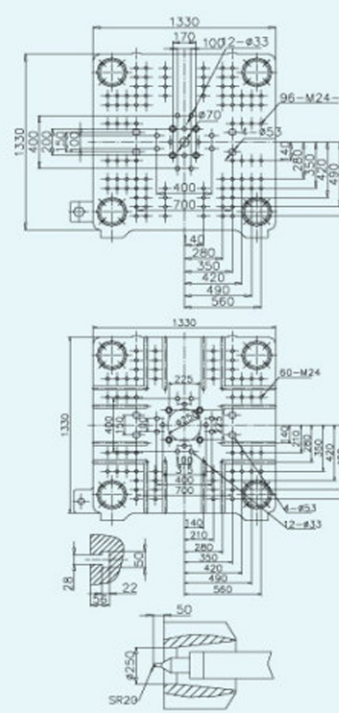
320PVC



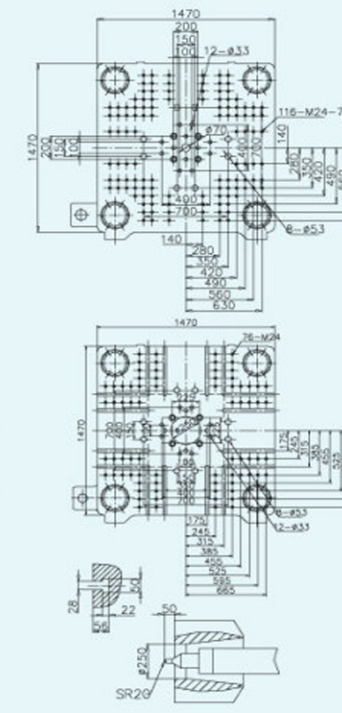
400PVC



500PVC



650PVC



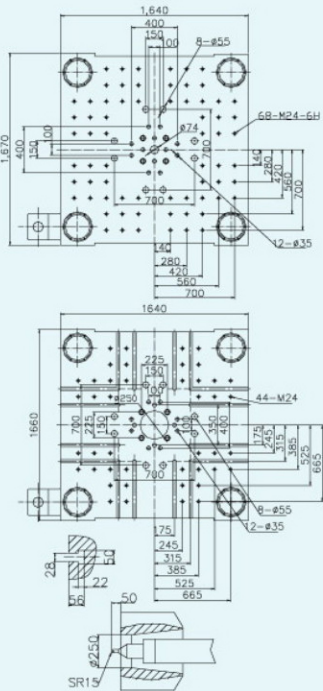
850PVC

INTEC-PVC SERIES

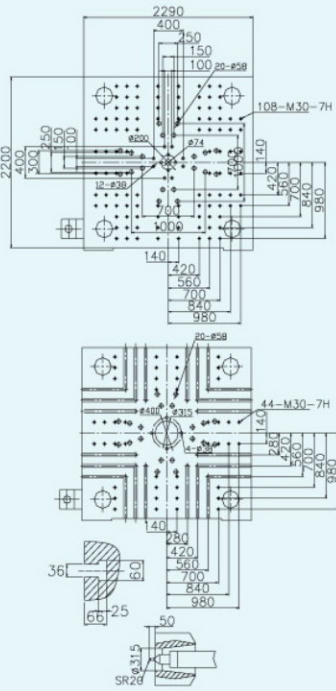
PVC PARAMETERS

			1000PVC			1800PVC			2800PVC		
			A	B	C	A	B	C	A	B	C
INJECTION UNIT	Screw Diameter	mm	100	110	120	130	140	150	200	210	220
	Screw L/D Ratio		24.2	22.0	20.2	23.7	22.0	20.5	23.1	22.0	21.0
	Theoretical Shot Volume	cm ³	4155	5027	5983	9145	10606	12175	39552	43606	47858
	Injection Weight(UPVC)	g	5401	6535	7777	11888	13788	15828	51418	56688	62215
	Injection Rate into Air	cm ³ /s	698	845	1006	1049	1216	1396	1992	2197	2411
	Injection Pressure	bar	2101	1736	1459	1948	1680	1463	1711	1552	1414
	Injection Stroke	mm	529			689			1259		
Screw Speed		rpm	0~105			0~93			0~60		
CLAMPING UNIT	Clamping Force	KN	10000			18000			28000		
	Clamping Stroke	mm	1100			1520			1810		
	Space Between Tie Bars	mm	1150x1150			1600x1480			1850x1650		
	Max.Mold Height	mm	1200			1550			1850		
	Min.Mold Height	mm	400			650			700		
	Ejector Stroke/Force	mm/KN	320/125			400/407			403/554		
	No.of Ejector Pins	piece	21			25			29		
OTHERS	Max.Pump Pressure	MPa	16			16			16		
	Pump Motor Power	KW	90.0			132.0			220.0		
	Heater Power	KW	49.0			63.0			143.0		
	Hopper Capacity	Kg	200			200			200		
	Oil Tank Capacity	L	2200			2900			4500		
	Machine Dimension(L x W x H)	m	11.9x3.0x3.2			15.6x3.5x3.7			20.2x4.2x4.3		
	Machine Weight	T	60.0			118.0			210.0		

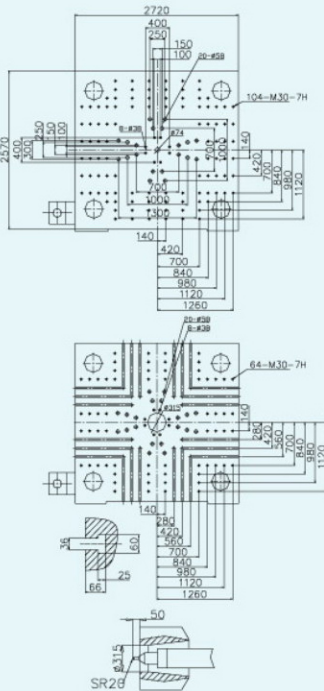
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1000PVC



1800PVC



2800PVC

INTEC-PVC SERIES



- Meeting characteristics of the PPR fitting products heavy but small size of mold, the suitable clamping unit is combined with bigger injection unit for PPR series machine. High value but low cost.
- Special design PPR screw ensures plasticizer quality.
- The variable pumps from prestigious companies such as REXROTH, YUKEN or NACHI available with the advantages of smooth running.
- Dead hydraulic system.
- 30~50% power saved, especially for products with long cycle time.
- Bysides filter system prolongs life span of oil and ensures hydraulic elements run without obstacles.
- Also the variable pump system relieves no hot and cooling water saved.

Standard

Injection unit
Double cylinder injection system
High quality barrel and screw
Steel hopper
Double cylinders for nozzle move(export)
Multi stages of speed, pressure and position for injection. hold on and charge
Position or time hold on changeover
Injection cushion monitoring
Screw position transducer control
Prevent the screw cold start
Low speed, high torque screw drive motor
Close loop barrel temperature control
Water cooling for hopper throat
Barrel cover to prevent heat damager
Nozzle center adjust
Screw RPM show.
Clamping unit
Five points double toggle clamping unit,
Transducer for mold open and close position
Box model platen
mechanical safety device
multi stage of mold open/close speed ,pressure and position
multi ejector model
Low pressure mold protection

Standard

Ejector position transducer
Wear-resistant supporting tracks for moving platen
Water flow regulator for mold
Auto centering lubrication system
Fast mold close. (188 ton up)
Adjustable moving platen support
Balanceable moving platen support (650 ton up)
Excellent alloy steel tie bar
Automatic mold height adjustment.
Hydraulics
Proportional pressure and speed control
Oil temperature control and alarm
Oil suck filter
Air filter system
Electronics
8 " lcd color screen (10" for 650 tons up)
80 sets of mold memory
Molding condition monitoring with alarm
Barrel temperature monitoring and thermocouple break alarm
Electric motor safety protection
System I/O testing function
Emergency stop safeguard device
Alarm lamp
Interface for printer and floppy driver
Accessories
Adjustable machine leveling pads
Easily damaged spare parts
Professional tools
Extended nozzle
Clamp
Manual

Optional Device

Wide range of injection unit for specific applications
Wide selection of special plasticizer subassembly for specific customer applications
Special material screw and barrel
Extended, spring and hydraulic shut off nozzle
Multi-loop hydraulic system
Accumulator fast injection
High sensitive hydraulic mold protect fittings
Core pull fittings
Air blast fittings
Glass water regulations
SSR
By-pass oil filter
Automatic safety door
Magnet for hopper
Self seal suck filter
Photoelectric check for mold
Monitor and control at far way in internet

Auxiliary Equipments

Injection mold
Gas assisted injection device
Robot and conveyer
Dehumidifying dryer
Mold temperature controller
Hopper dryer & vacuum autoloader
Chiller
Cooling tower
Crusher
Mixer
PVC.PPR.PE pipe produce line

