



东方久信集团



Plastic Machinery Series



上海久信

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Video on Youtube



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SHANGHAI JOYSUN MACHINERY & ELECTRIC
EQUIPMENT MANUFACTURE CO., LTD.

COMPANY PROFILE



Head Office

Shanghai Joysun Machinery & Electric Equipment Manufacture Co., Ltd. subordinated to the Joysun group, is a high-tech enterprise in Shanghai. The corporation is located in east Zhangjiang Hi-tech Industry Garden, Pudong New Area, and has a branch in Dubai.

Joysun staffs are deeply convinced that the enterprise is a boat, while the quality of product is the helm. Since its establishment in 1995, all Joysun staffs have been regarding the quality of product as important as life, and so devoted to research and development of plastic processing machinery, universal equipments and integral water or beverage project solutions, including the water pretreatment, raw material pretreatment, pet preform injection molding, bottle blowing, filling and finishing packing. They work at every product with great care, strict quality control and excellent after-sales service, thus winning the universal praise from customers in Middle East, Africa, Asia, the America and Europe as well.

Joysun staffs also know that self-complacence is backward and will be undoubtedly eliminated by the ever-changing market. Therefore, the corporation invests a lot to the innovation of product every year to meet the demands of various customers with the latest products.

With geographical superiority of Shanghai and the hard work of its people, Joysun will be more practical and never stop its innovation to create a better future!



Show Room



Factory

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Joysun Project



Joysun is mainly engaged in providing engineering design, technological formulation, technical consultation, turn-key project services for new construction or expansion projects.

The main turn-key project of the company include: Preform & cap injection production line; PET bottle blowing line; PE, PP, ABS extrusion blowing line; soft tube production line, etc.

Till now, Joysun products has spread all over the world. We will meet customer demands through our high quality products, favorable price and good after services.



Fully Automatic PET Bottle Blow Molding Machine

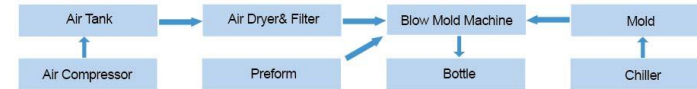
Application:
PET mineral water bottle, beverage bottle, cosmetic bottle, medicine bottle, jar, etc.

Configuration:
Mitsubishi PLC interface & touch screen, BURKERT solenoid valve, Festo pneumatic component, ABB inverter, OMRON sensor, Schneider electric component

- Characteristic:**
1. Fully microcomputer intellectualized controlling
 2. Self diagnosing and alarming
 3. LCD display, interface & touch screen operation
 4. Accurate and steady forming



PET Bottle Blow Molding Machine Flow Chart



Technical Specification

ITEM	UNIT	JSD-II	JSD-IV	JSD-SJ	JSD-BJ
Max. Capacity	BPH	2000	3500	800	800
Max. Bottle Volume	L	0.2-2	0.2-2	0.2-2.5	1-5
Neck Diameter	mm	Φ28-Φ30	Φ28-Φ30	Φ28-Φ63	Φ110-Φ130
Max. Bottle Diameter	mm	Φ100	Φ110	Φ130	Φ160
Max. Bottle Height	mm	325	325	335	335
Mould Opening	mm	150	145	150	180
Mould Cavity	pcs	2	4	1	1
Space Between Two Cavities	mm	128	128	220	260
Clamping Force	KN	150	300	150	150
Max. Length of Stretching(L×W×H)	mm	340	340	340	340
Power	KW	16.5/10	24.5/16	16.5/10	18.5/9
Temperature Control Section	Zone	8	8	8	6
Voltage/Phase/Frequency		380V/3/50HZ	380V/3/50HZ	380V/3/50HZ	380V/3/50HZ
Main Machine Dimension(L×W×H)	m	2.9×2.0×2.1	4.0×2.08×2.1	2.4×1.55×2.1	2.6×2.0×2.1
Weight	kg	2600	2900	2100	2500
Conveyor Dimension	m	2.03×2.0×2.5	2.03×2.0×2.5	2.03×2.0×2.5	2.03×2.0×2.5
Conveyor Weight	kg	280	280	280	280

PET Semi-Automatic Blow Molding Machine

Application:
 PET mineral water bottle, beverage bottle, cosmetic bottle, medicine bottle, jar, PET pure water bucket, mineral water bucket, etc.
Configuration:
 Siemens PLC, BURKERT solenoid valve, international famous electric components

- Characteristic:**
1. Microcomputer intellectualized controlling
 2. Revolving infrared heat oven; Preform heated quickly and evenly
 3. Accurate and steady forming, high transference of the bucket
 4. Easily changed to produce hot filling bottle
 5. Low energy consumption compared with common infrared heat oven



Technical Specification

ITEM	UNIT	JKA-2	JKA-2A	JKA-5		JKA-5A		JKA-20
Max. Production Capacity	bph	600-800	1000-1600	300-400	600-700	600-800	1200-1400	40-45
Max. Volume of Bottle	L	2		5	2	5	2	20
Max. Diameter of Bottle	mm	Φ105		Φ190	Φ110	Φ190	Φ110	Φ280
Max. Height of Bottle	mm	330		350	350	350	350	520
Blow Mold Cavity	pcs	2		1	2	1	2	1
Blow Mold Thickness	mm	156		260				360
Mouth Size	mm	Φ28-Φ63		Φ28-Φ130				~
Opening Stroke	mm	135-150		230				390
Max. Stretch Length	mm	325		330				540
Heating Power	KW	4.2		8				8
General Power	KW	11.2		15				8
Air press	MPa	0.8		0.8				0.8
Max. Blow Air Pressure	MPa	3		3				3
Main Machine Dimension(L×W×H)	m	1.06×0.54×1.6 (*2)		1.7×0.7×2.19 (*2)				2.4×0.84×2.86
Oven Dimension(L×W×H)	m	1.60×0.68×1.62		1.73×0.68×1.62				1.44×0.86×1.51
Main Machine N.W.	kg	350	700	1000	2000			2800
Oven Unit N.W.	kg	200		350				1000

Fully Automatic Hydraulic Extrusion Blow Molding Machine

Application:
 All kinds of plastic bottle made of PE, PP, PVC, PC, ABS, TPU, etc.

- Characteristic:**
1. Microcomputer intellectualized controlling, self-diagnosis alarm, clear at a glance.
 2. Hydraulic system with imported proportional valve, lower energy consumption. At the same time, a significant reduction in oil temperature extends the service life of hydraulic parts.
 3. Variety of functions for different products matching the technological requirements: bottom blow and lift, rotation, encapsulation, material support, sub-mould, robot, parison control system, de-flashing system, etc.

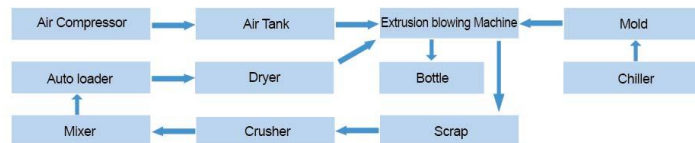


ITEM	UNIT	JKB50-2L	JKB60-2LII	JKB60-5L	JKB70-5LII	JKB70-12L	JKB90-12LII
Max. Product Volume	L	2	2	5	5	12	12
Dry Cycle	pcs/h	1500	900×2	1100	700×2	900	600×2
Screw Diameter	mm	50	60	60	70	70	90
Screw L/D Ratio	L/D	24	24	24	24	24	25
Screw Drive Power	kw	11	15	15	22	22	37
Screw Heating Power	3Φkw	4.2	6.5	6.5	7.2	7.8	8.8
Screw Heating Zone	Zone	3	3	3	3	4	4
HPDE Output	kg/h	35	70	70	90	90	130
Oil Pump Power	kw	5.5	5.5	7.5	7.5	11	11
Clamping Force	KN	40	40	65	65	110	110
Mold Stroke	mm	138-368	138-368	148-508	148-508	240-620	240-620
Max. Mold Size	W×H(mm)	300×320	300×320	380×390	380×390	530×520	530×520
Max. Die Diameter	mm	100	100	140	145	230	230
Die Heating Power	4Φkw	1.8	1.8	2.5	2.5	3	3
NO. of Heating Zone	Zone	3	3	3	3	3	3
Blowing Pressure	Mpa	0.6	0.6	0.6	0.6	0.6	0.6
Air Consumption	M³/min	0.4	0.5	0.5	0.6	0.8	0.8
Cooling Water Pressure	Mpa	0.3	0.3	0.3	0.3	0.3	0.3
Water Consumption	L/min	35	50	50	60	60	60
Machine Size	L×W×H(m)	2.5×1.5×2.4	2.7×2.1×2.6	2.9×1.8×2.6	2.9×2.1×2.7	3.8×2.2×3.1	4.1×2.8×3.1
Machine Weight	Ton	3.2	4.3	5.8	7.8	7.8	11

Fully Automatic Hydraulic Extrusion Blow Molding Machine



Extrusion Blow Molding Machine Flow Chart



ITEM	UNIT	JKBA 82-25PC	JKBA 80-30L	JKBA 90-60L	JKBA 100-90L	JKBA 100-120L	JKBA 120-160L	JKBA 120-200L
Max. Product Volume	L	25	30	60	90	120	160	200
Dry Cycle	pcs/h	600	650	500	360	360	300	280
Screw Diameter	mm	82	80	90	100	100	120	120
Screw L/D Ratio	L/D	38	25	25	25	28	28	33
Screw Drive Power	kw		30	37	45	55	75	90
Screw Heating Power	4Φkw	16.7	16	21	24	24	30	36
Screw Heating Zone	Zone	8	4	4	4	4	5	6
HPDE Output	kg/h	160(pc)	100	140	180	200	250	350
Oil Pump Power	kw	11	15	18.5	22	37	45	55
Clamping Force	KN	215	220	350	500	650	800	900
Mold Stroke	mm	240-620	400-830	500-1050	550-1250	550-1400	600-1500	700-1600
Max. Mold Size	W×H(mm)	600×700	600×700	700×1050	800×1000	800×1250	1100×1500	1100×1600
Accumulator Capacity	L	1.85	4	6.6	12	14	18	25
Max. Die Diameter	mm	150	300	350	430	450	520	580
Die Heating Power	4Φkw	4.5	11.9	17	20	21	25	30
NO. of Heating Zone	Zone	4	4	4	5	5	5	6
Blowing Pressure	Mpa	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Air Consumption	M ³ /min	0.4	0.8	1.0	1.2	1.6	1.6	1.8
Cooling Water Pressure	Mpa	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Water Consumption	L/min	30	60	85	100	150	180	220
Machine Size	L×W×H(m)	6.3×2.3×4.5	4.23×2.3×3.5	4.75×2.5×3.9	5.4×2.5×4	5.4×2.6×4.2	5.8×2.6×4.4	6.0×3.0×4.9
Machine Weight	Ton	11.8	11.5	12.8	16	19	22	30

Injection Molding Machine

As a main equipment in the plastic field, the injection machine can be widely used in making various plastic products. Joysun injection machine provides you multiple choices.

Injection Machine With Variable Pump

Famous brands' variable pumps, special design and circle filter provide smoothly running performance and silent hydraulic system. Furthermore, it can save up to 50% energy.

High speed automatic PET Preform Injection Molding Machine

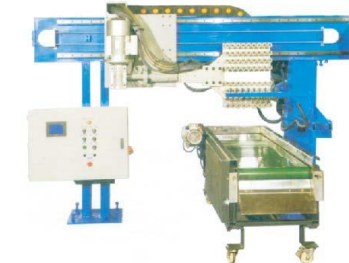
Special designed screw and barrel , shop-off valve nozzle, double hydraulic system and 3-stage perform taking-out robot system provide high speed production circle to raise the producing efficiency and save much time.

High-Speed Injection Molding Machine

The injection speed is 2-5 times faster than normal machine, specially for producing the thin wall products, such as air plane cup, food knife, spoon, fork, ice cream box, mobile outer case etc;

Servo Energy-Saving Injection Molding Machine

Dynamical servo gearshift control system with sensitive pressure feedback device provides products with high stability. Output volume changes according to load alteration, which avoids extra energy consumption. It can save up to 80% energy.



Injection Molding Machine



Injection Unit
 Double guiding rod supporting
 Dual-cylinder balance injection system. Single-cylinder push and draw back setting.
 Multi-stage pressure & speed injection. One-sitting hydraulic motor setting.
 Super quality aiseal screw stem mixed with chrome, molybdenum and best selected hydraulic oil.
 Suitable for every kind of plastic raw material.



Controlling Unit
 Adopt Es97 wide TFT LCD screen, quality specialized P8C/P10C control panel, Pentium II processor, high level configuration RAM and FRASH, LINUX operating system and USB.



Oil motor drives the gear to adjust mould.
 The moving ahead screw mechanism is good, and can adjust the mould automatically according to the pressure set up, very convenient and reliable.



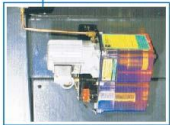
Clamping Unit
 Arrange obliquely five-point and elbow type structure. Optimization design on parameter of the computer. Finite-element analysis is applied to design the machine.
 The unit also functions of low pressure mold protection with extra sensitivity. Machinery, Electric pair of sage protection function to insure the safety.



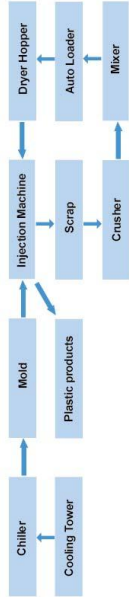
Hydraulic Unit
 Adopt imported advanced hydraulic components



Setting type on automatic lubricating system of oil.



Flow Chart



Mould

Blowing Mould

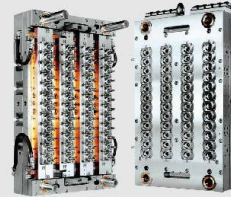


Bottle Blowing Mould



5 Gallon Bottle Blowing Mould

Injection Mould



Preform Injection Mould



5 Gallon Preform Injection mold



Cap Injection Mould



5 Gallon Cap Injection Mould

Plastic Tube Extruder Production Line

The PE tube extruder production line is widely used for cosmetic industry to make soft tubes.

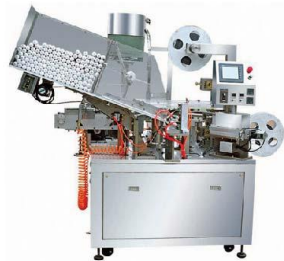
(1) Automatic PE Tube Extruding & Cutting Machine



(3) Automatic 6 color Printing, Varnishing and Drying Machine



(4) Drilling & Sealing & Capping machine



(2) Shoulder Injection Machine



(5) Filling & Sealing Machine



Plastic Pipe Extrusion line

We produce plastic pipe lines which include PVC, PE, PPR, ABS, PEX and other materials. The machine is controlled by PLC and all the electric parts are imported famous brands, which provide an insurance of stable quality and excellent performance.
Max Diameter of PE pipe reaches 2000mm.
Max Diameter of PVC pipe reaches 800mm.



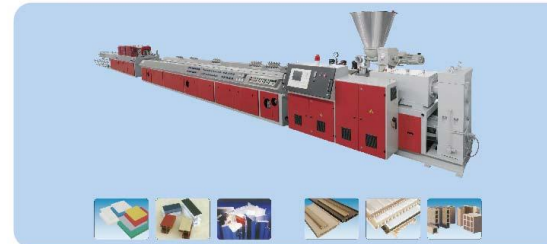
Plastic Sheet/Board Extrusion Line

All kinds of sheet lines, covering all the applications in fields of public building, house decoration, vehicle decoration, advertisement, road building, packing and so on.
Sheet: ABS, PP, HIPS, PE, PET, EVA, EVAOH single layer, multi-layers composite sheet line.
PVC, PP, PE Wide floor sheet, waterproof sheet line.
PC, PMMA, PS, MS sheet line.
Board: PVC free foamed, foamed skinning, crust foamed board line.
IXPE, XPE, PP foamed board line.
PC, PP, PE hollow profile board line.



Plastic Profile Extrusion Machine

PVC profile: Main products contain door window profiled material, wide door plate, window plate, multi-holes pipe for passing through lines (4holes, 6holes, 7holes, 9holes, etc.) and other profiled products.
Capability: 60-500kg/h (pure PVC)
Product width: Max.1200mm
Plastic-wood profile: High addition volume of wood powder and plant fiber (max 50%-75%)
Material: PVC, PE, PP, ABS, PS.
Capability: 70-400kg/h (50% wood powder)
Product width: Max.1200mm



Plastic Auxiliary Equipment

Granulator



Water Chiller



Cooling Tower



Mixer



Dryer Hopper



Auto Loader



Air Compressor



Air Tank



Air Dryer & Filter

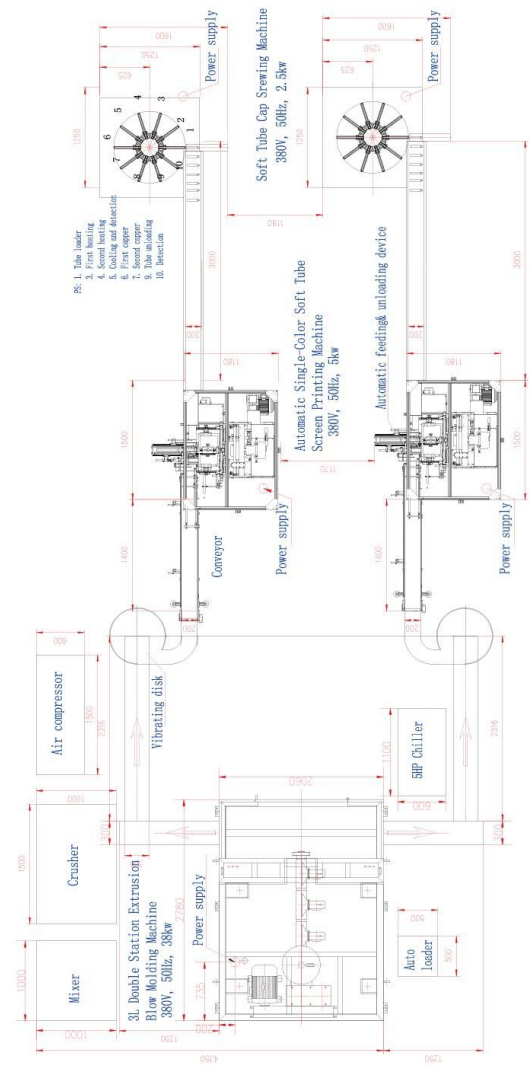


Processing factory



Soft tube production line layout

6000 pcs/h Soft Tube Production Line



配件-源自世界著名品牌
Parts - From The World Famous Brand

不锈钢、管：日本
Stainless steel board, pipe: Japan

电子、电气元件：日、德、美、法、韩
Electric components: Japan, Germany, USA, France, Korea

气动元件：德国
Pneumatic components: Germany

传动电机与变速箱：德国
Motor and Gear box: Germany

集中油润系统：美国
Centralized oil lubrication system: USA

流体设备：瑞典
Fluid Equipment: Sweden

碳素钢：中国
Carbon steel: China