



1. Why We have two type of injection machines

At the beginning, mono-cylinder injection machine is our first choice. We want to enter into high-end market. But actually, the market has low demand of this type machines because high cost although machines has high performance. So we developed double cylinder injection machine.

2. Difference

1) In Machines outlook



Mono-cylinder injection moulding machine



Double-cylinder injection

Outlook is different.

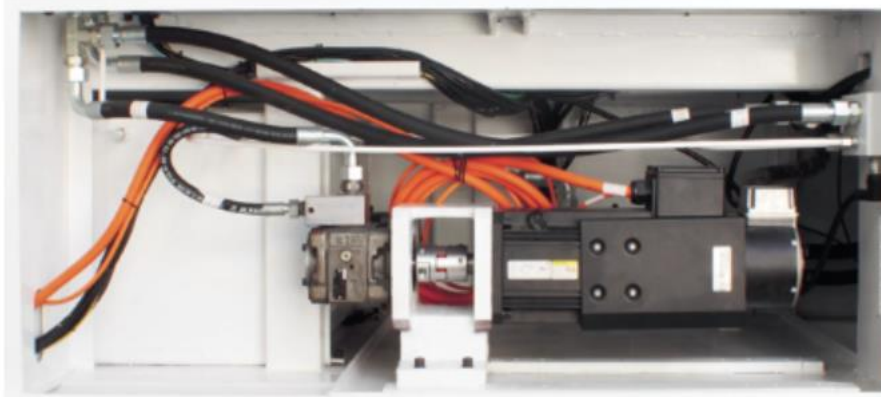
LINEAR GUIDE RAIL for injection unit is SAME.

2) CLAMPING UNIT STRUCUTE IS SAME and parameters are different

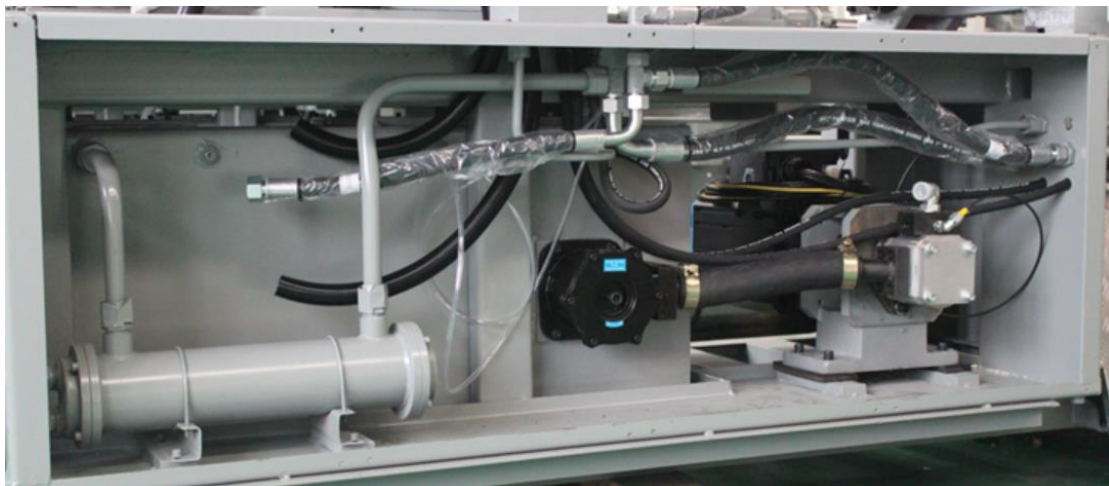
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3) Modular Hydraulic Unit:



Mono-cylinder injection moulding machine



Double-cylinder injection moulding machines

Both with Modular design, but there is different layout

4) Clean finished Manifolds and Valves with hose protected wires and cables



Mono-cylinder injection moulding machine



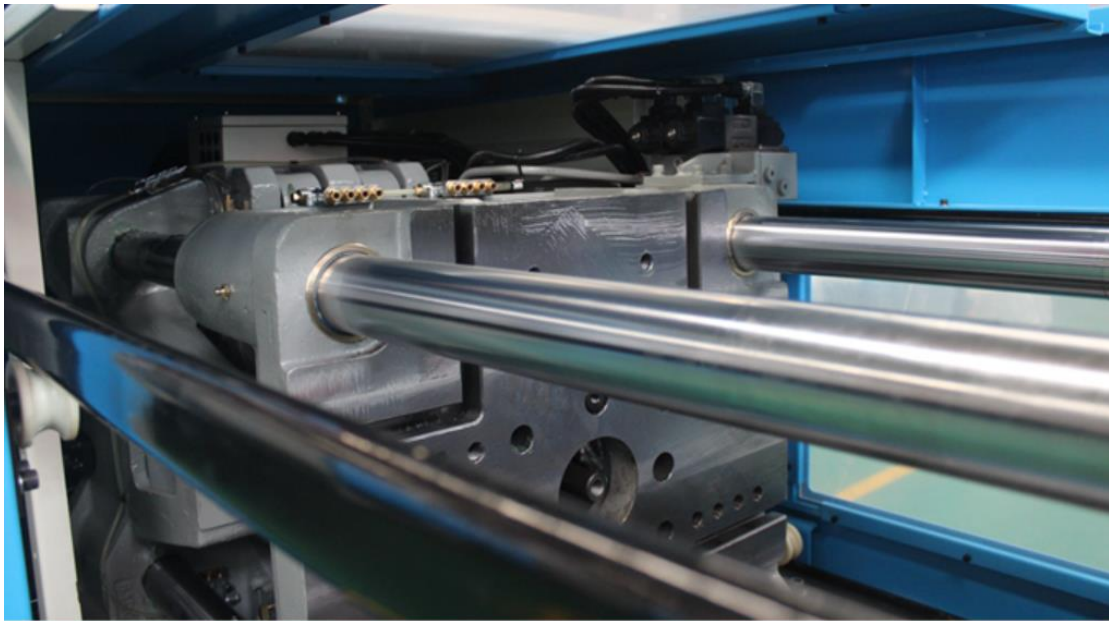
Double cylinder injection machines

Position changed for better maintenance.

- 5) Safety Gate with Linear Guide Rail:



Mono-cylinder injection moulding machine



Double cylinder injection molding machines

6) Spacious electrical cabinet for ease of maintenance:



Mono-cylinder injection moulding machine



This is as per CE standard.



Mono-cylinder injection moulding machine

It was with REXROTH DRIVE , but new mono-cylinder will use innovance drive






This is as per General standard for double-cylinder injection molding machine



Double and mono-cylinder will both use INNOVANCE DRIVE

- 6) Screw steel type, finish and country of origin.
 Both same with Nitrogen treatment. Bi-metallic is optional.
- 7) Barrel steel type, finish and country of origin.
 Both same with Nitrogen treatment. Bi-metallic is optional.
- 9) Type of heater bands.
 BOTH with ceramics
- 10) Main Configuration
 For mono-cylinder injection molding machines:

Items		Brand/country
Servo System 	Controller	KEBA(AUSTRIA)
	Servo Motor	PHASE(ITALY)
	Servo Drive	INOVANCE
	Oil Pump	ECKERLE (Germany)
Electric Unit 	Stroke transducer	NOVO or FLTECH(Germany)
	Breaker	EATON (USA) OR Schneider(France)
	Contactor	EATON (USA) OR Schneider(France)
	Air Switch	Schneider (France)
	Location /Speed Sensor	Schneider (France)
Hydraulic Unit 	Hydraulic Direction Valve	REXROTH
	Proportion back-pressure valve	North man (Taiwan)
	Plasticizing hydraulic Motor	DAN DUN or ZHONGYI (ITALY)
	Hydraulic Hose	MANULI(ITALY) or Painter (JOINT VENTER)
	Hydraulic Sealing ring	All Italy






Others Unit	Mechanical safety	Standard
	Electric safety	Standard
	Mold close fast	Standard
	Injection Unit	Linear guide-way
	Air core	Option
	Hydraulic Core	Option
	T slots and screw holes	Standard

Servo system Compared with the other manufacturers is big, Overload ability strong and stable.



For double-cylinder injection molding machines:

Items		Brand/country
Servo System 	Controller	TECHMATION (TAIWAN)
	Servo Motor	PHASE(ITALY)
	Servo Drive	INOVANCE
	Oil Pump	SUMITOMO (Japan)
Electric Unit 	Stroke transducer	NOVO or FLTECH(Germany)
	Breaker	EATON (USA) OR Schneider(France)
	Contactors	EATON (USA) OR Schneider(France)
	Air Switch	Schneider (France)
	Location /Speed Sensor	Schneider (France)
Hydraulic Unit 	Hydraulic Direction Valve	YUKEN (Japan)
	Proportion back-pressure valve	North man (Taiwan)
	Plasticizing hydraulic Motor	DAN DUN or ZHONGYI (ITALY)
	Hydraulic Hose	MANULI(ITALY) or Painter (JOINT VENTER)
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Note:

We will modify the files without notice in order to explain in better ways.