MDE-120 V
MDE-120s V

Injection Press Range

350-550 ton

High precision

High performance

High speed

High energy-saving effect

Topstar link application platform

High precision

- Q235 。
- The main arm with the Q235 material, Stable structure, and High accuracy of repeated positioning, which can meet various non-standard insert motions.

High performance

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- , ;
- RS485 , MODBUS RTU ;
- 2 2 , 11 11 。

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

High energy-saving effect

- 10% 10%
- OFF , , 10%。

Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	( ) Posture (Air Cylinder)	Max.Load
Unit	V	KW	Mpa	Nl/cycle	——	——	kg
MDE-120V-120-97-18TR	AC220 ±10% 50/60HZ	2	0.5~0.7	2.9	/ AC Servo Motor	90° / 90° Fixed	8
MDE-120sV-120-97-18TR		2.8	0.5~0.7	2.9			8

TOPSTAR 拓斯达

Outer dimensions

Unit: mm / Model		MDE-120V-120	
		MDE-120V-120-97-18TR	MDE-120sV-120-97-18TR
A	Total height	2030	2030
B	Total length	2380	2380
C	Traverse stroke	1800	1800
D	Main arm vertical stroke	1200	1200
E	Main arm standby height	210	210
F	Effective space for jig mounting	295	295
G	Base internal side to end of the box	375	375
H	Sub-arm vertical standby	–	230
I	Main arm max. fwd. movement	970	970
J	Main arm max. crosswise stroke	870	695
K	Main arm min. crosswise standby	100	275
L	Min. space between main arm and sub-arm	–	165
M	Sub-arm max. crosswise stroke	–	695
N	Sub-arm min. crosswise standby	–	110
O	Crosswise end to box end	1540	1540
P	Min. height of arm after descending	1080	1080
Q	Jig mounting dimension: Moveable platen		
	Jig mounting dimension: Fixed platen		

Note: Same dimensions for positive and negative operation models.

Configuration table

Model	8 8 independent packaging motion	115 ×2 Free packaging motion(15points ×2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	(100) Internal memory (for Max 100 molds)	2 Two language exchange (Chinese/ English)	Nt NT gate cutting on crossmember of moving	Rotation unit	欧规 12 EURO-MAP 12	欧规 67 EURO-MAP 67
MDE-120V-120-97-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MDE-120sV-120-97-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

" ● " " ○ " " - " Note: Standard function "●", optional function "○" and "-" indicates none.