



AC Servo Driven Robots



Touch screen controller

High precision and stable series

Features

- ◆ High rigidity structure design, stable construction, low vibration and long service life.
- ◆ High performance imported AC servomotor.
- ◆ TOPSTAR RD programmed and developed control system which is easy for customized to meet different customers' need.
- ◆ Multiple protection and modulized design.

Configuration & extension capacity

Items	Standard	Extension	Remark
Main PCB board	Using 32 bits MCU, high quality and high performance, avoid short-circuit, overload and high temperature	Extra extend I/O ports are available for other application. 16 input and 16 output ports.	R&D by Topstar team, take full control of programming and be full of flexibility.
I/O board	Avoid short-circuit, overload and high temperature.	Extra extend I/O ports are available for other application. 16 input and 8 output ports.	R&D by Topstar team
Synchronized with conveyor	Capable of the function	Theoretical more than one set of conveyor	Using relays to realize expansion
Vacuum	One group	Can be extend to three more	Customized could be more
EOAT cylinder	One group	Can be extend to two more	Customized could be more
Standard packaging	Single-position placing	Can be extend to two-position placing or four-position placing	With regular stacking
Free packaging	Single-position placing	Can be extend to two-position placing or four-position placing	Can be regular or irregular stacking

Model Spec. for 3 axis with one arm – usually for two platen mold

Robot	Y-axis vertical stroke (mm)	X-axis crosswise stroke(mm)	X-axis crosswise max. stroke(mm)	Z-axis traverse stroke(mm)	Max overload include jig(lbs)	Suitable I.M.M. (Ton)
MD-50	600	450	550	1200	6.6	80
MD-80	800	650	790	1400	11	120-200
MD-80	900	650	790	1600	11	200-300
MD-120	1200	930	1100	1800	11	300-600
MD-120	1400	930	1100	1800	11	500-600
MDW-110	1100	1160	1300	2000	22	450-600
MDW-110	1500	1160	1300	2000	22	600-800
MBW-150	1750	1600	1900	2500	33	800-1100
MBW-150	2000	1600	1900	2500	33	800-1100
MBW-200	2000	1500	2000	3000	66	900-1100
MBW-200	2500	1500	2000	3500	66	1100-2000
MBW-200	3000	1800	2300	3500	110	above 2000

Remark: 1. “MD” means 3 axis servo motor robots;

2. “MDW” means 3 axis servo motor telescopic arm robots.

3. “MBW” means extra-large robots.

4. Above models are just some robots we listed according to Borch IMM

Model Spec. for 5 axis with one arm – usually for three platen mold

Robot	Y-axis vertical stroke (mm)	X-axis crosswise stroke(mm)	X-axis crosswise max. stroke(mm)	Z-axis traverse stroke(mm)	Max overload include jig(Ibs)	Suitable I.M.M. (Ton)
MD-50S	600	450	550	1200	6.6	80
MD-80S	800	650	790	1400	11	120-200
MD-80S	900	650	790	1600	11	200-300
MD-120S	1200	930	1100	1800	11	300-600
MD-120S	1400	930	1100	1800	11	500-600
MDW-110S	1100	1160	1300	2000	22	450-600
MDW-110S	1500	1160	1300	2000	22	600-800

Swing arm robots

The spec. for X-650V	
Model	X-650V
Suitable for IMM-ton	Below 120T
Vertical stroke- mm	650
Swing angle -degree	50-90
Max. overload-kg	2
Min. take out time -S	0.7
Driving system	air pressure
Weight -kg	43

