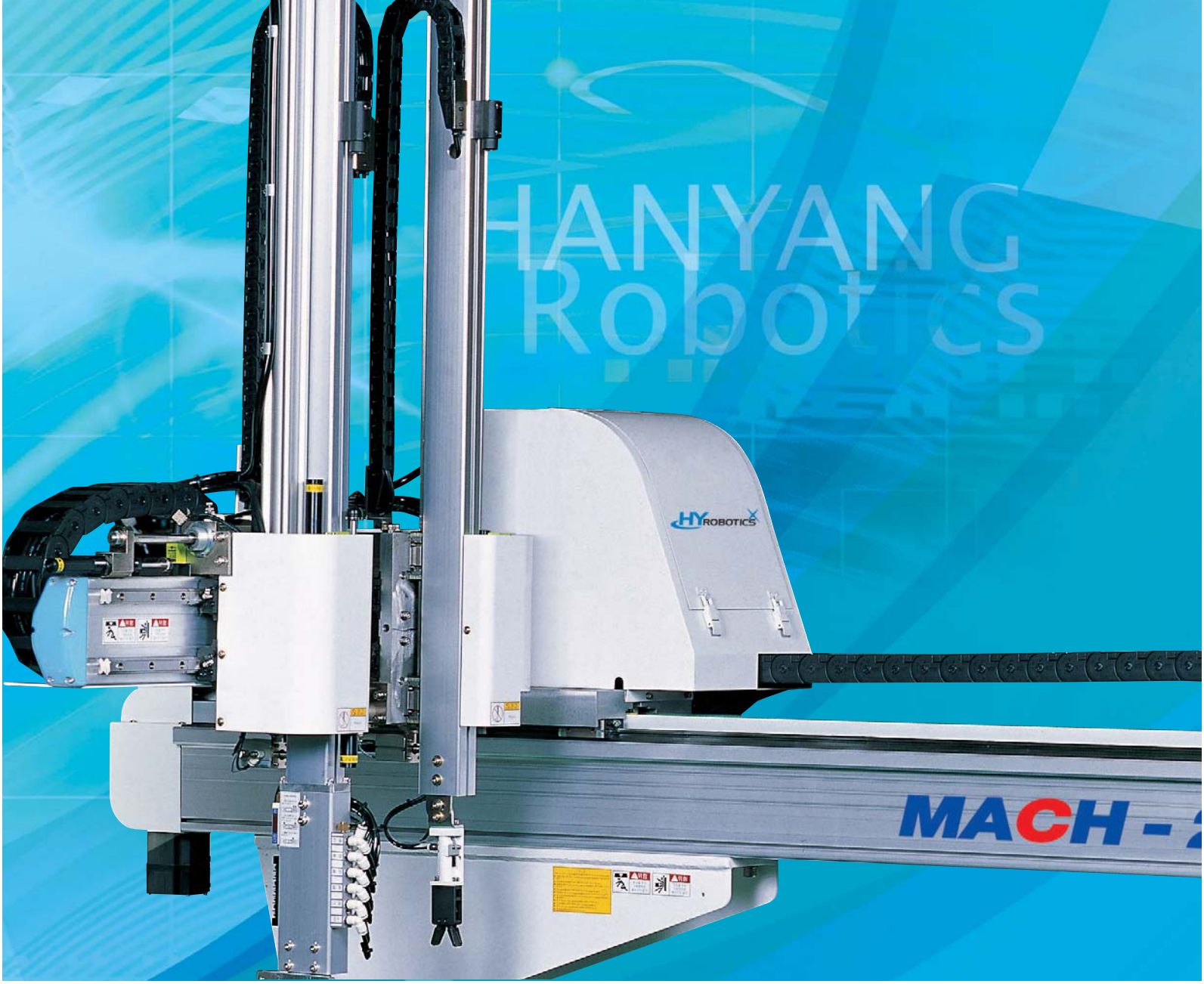


ISO 9001:2000

High Speed, Simple and Robust Mechanism Take Out Robot

MACH Series

MACH 200SI~300SI & MACH 200DI~300DI

HY ROBOTICS

Take-Out Robot MACH Series

High Speed, Simple and Robust Mechanism Take Out Robots

MACH Series

Features
- Injection Molding Machine : For 50~350 Tons Horizontal
- Digital Servo Motor Axis :1 Axis on Traverse Side
- Motion Guide : High Strength and Low noise LM Guide.
- Kick (Reach) Frame : Single Support Type
- Vertical Arm Structure : Non -Telescopic Arm
- Main Controller Location : Body Attached (Less foot print)
- Kick, Descent : Pneumatic Actuator
- Max. Take out Cycle Time :1.5 Sec (S-Type), 1.9 Sec (D-Type)
- Max. Process Cycle Time : 5.5 Sec (S-Type), 7 Sec (D-Type)

Standard Features

- Take out Arm (Main Arm, Sub Arm or Both)
- Take Out : With Vacuum, Chucking or Vacuum and Chucking
- Chuck Confirm (Use or No Use)
- Outside Waiting (Use or No Use)
- Take Out Motion (L Motion or U Motion)
- Main Arm Descent (From Fixed Platen or Moveable Platen)
- Sub Arm Descent (From Fixed Platen or Moveable Platen)
- Chuck Rotation (No Rotation, Before or After Traverse, No Kick, In Traverse)
- Main Arm Open (Standard, In Mold or No Descent)
- Sub Arm Open (Standard, In Mold, In Traverse or In Return)
- Ejector Control (Use or No Use)
- Alarm Control (Use or No Use)
- Multi Point Open (Maximum 99 Point on Traverse Side)
- Multi Stage Open (Maximum 4 times)
- Mold Close Delay (Use or No Use)
- Undercut (No Use, with Actuator or With Traverse)
- Process Time (Up to 99 Seconds)

Optional Features

- Pitch Open (Use or No Use)
- Vertical Rotation (No Use, In Mold, After Traverse, In Mold + After Traverse)
- Nipper in Robot (Use or No Use)
- Nipper with Equipment (No Use, with Robot, External 1. External 2)
- Additional Gripper (No Use, in Mold, Runner Open, Position)

HYNC-200 Controller

Multi-Language Support including English.
Large LCD Screen (128 x 64) ensure current status of Robot.
Current status, Input and Output display for easy maintenance.
Easy to create Auto Mode Operations. (Mode Selecting Method)
Unattended automation with stacking function.

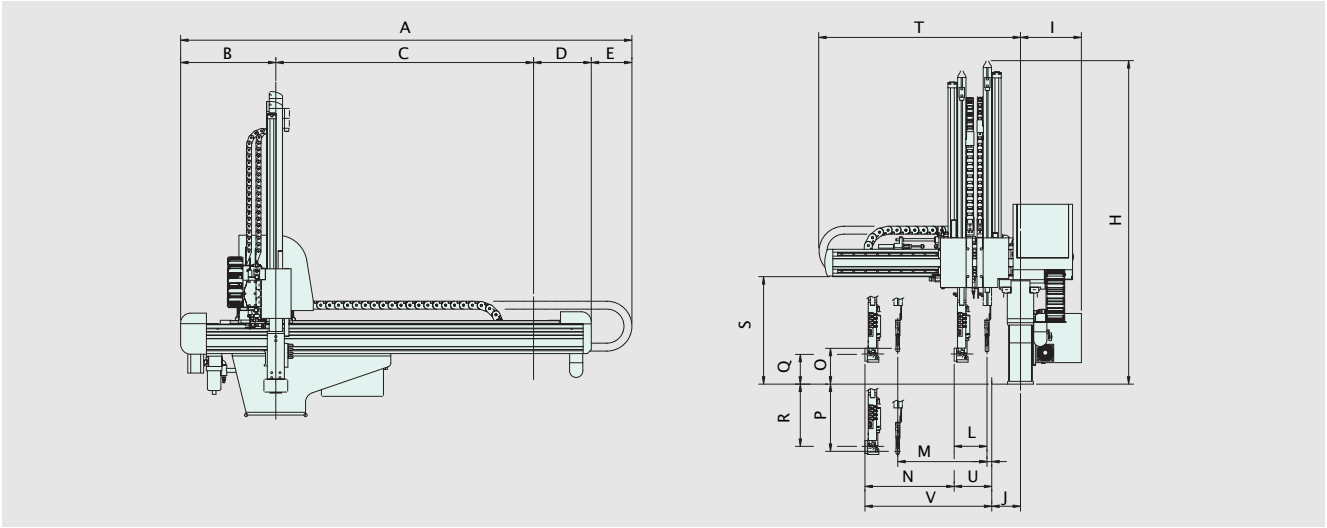
Technical Specification

Power	Motion Control	Control Method	Normal Pneumatic Pressure	Maximum Pneumatic Pressure	Chuck Rotation
3phase AC220V(50/60Hz)	Servo Motor	Micro Computer	6kgf/cm^2	8kgf/cm^2	90°

Model	Traverse			Ascent /Descent (mm)		Kick(Reach) Stroke		Electric Consumption	Air Consumption [l(normal)/Cycle]	Maximum handling capacity
	Standard	L Type	LLType	Main Arm	Sub Arm	Main Arm	Sub Arm			
MACH -200S	1300	1500	1700	800	-	150	-	3 Phase AC 220V 3A(Max.)	25	3 kgf
MACH -200S				800	850	150	100		35	
MACH -300S	1500	1700	-	1050	-	250	-		32	3 kgf
MACH -300D				1050	1100	250	150		42	

Dimension

Unit : mm



Model	A	B	C	D	E	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
MACH-200SI	2276 (2476) 2676	480	1300 (1500) [1700]	291	205	1632	307	145	-	-	-	564	-	-	150	650	542	1018	75	639
MACH-200DI									24	165	450	450	180	670					189	
MACH-300SI	2417 (2617)		1500 (1700)	270	167	1970			-	-	-	934	-	-	240	810	632	1424	75	1009
MACH-300DI									24	165	820	820	270	830					189	

All information is subject to change without notice.

( ) L TYPE, [ ] LL TYPE.

HYROBOTICS

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