



ISO 9001:2000

Effective and Multi Function and Optimum Mechanism Take Out Robot

HYBRiD Series

HYBRID 400D ~ 1300D



Take-Out Robot *New* HYBRiD Series

Effective and Multi Function Take Out Robot, Optimum Mechanism for 3Plate Mold-Doule Arm Robot

HYBRiD Series

Features

- >> Injection Molding Machine : For 280 ~ 1300 Tons Horizontal
- >> Servo Motor Axis : Max. 5 Axis
- >> Motion Guide : High Strength and Low noise LM Guide on all Axis
- >> Kick (Reach) Frame : Double Support Type
- >> Vertical Arm Structure : Telescopic Arm (2 Step)
- >> Main Controller Location : Body Attached (Less foot print)
- >> Main Arm : Full Digital Servo Motor on All Axis
- >> Sub Arm : Pneumatic operation for Kick (Reach) and Descent



HYwin1.0 Robot Controller

- >> HYwin1.0 Robot Controller (New and Upgraded)
- >> Advanced but simple control in 10.4" Large TFT LCD Screen with Full Color display.
- >> Expandable and Flexibility with Windows XP Operating Systems.
- >> Internet Customer support with Camera Phone.
- >> Production Monitoring through network connection.

Model : HYBRID-200D

- >> Y : 5.7 Touch Controller
- >> F : 10.4 Touch Controller

Standard Features

- >> Take out Arm (Main Arm, Sub Arm or Both)
- >> Vacuum (Use or No Use)
- >> Chucking (Use or No Use)
- >> Main Arm Gripper (Use or No Use)
- >> Sub Arm Gripper (Use or No Use)
- >> Outside Waiting (Use or No Use)
- >> Main Arm Descent (From Fixed Platen or Moveable Platen)
- >> Chuck Rotation during Traverse (Use or No Use)
- >> Main Arm Open (No Use, In Mold or Stack Open)
- >> Sub Arm Open (No Use, In Mold, In Traverse or In Return)
- >> Ejector Control (No Use, Descent or Take Out)
- >> Ejector Backward (Use or No Use)
- >> Ejector Number (1 ~ 2 Times)
- >> Cycle Start (After ascent complete or Traverse start)
- >> J Motion (No Use, Sub Arm, Main Arm or Both)

Optional Feature

- >> Robot Nipper installation (No Use or Use)
- >> External Nipper equipment Installation (No Use, in Robot, External 1 or External 2)

HYNC-700 (Standard HYBRID Robot Controller)

- >> Easy and Simplified Motion Control for Sophisticated Injection Molding Automation.
- >> 5.7" 256 Color touch screen and Servo Jog button and Play back step by step motion control.
- >> Developed specifically for the molding industry by automation engineers with years of experience in the field.
- >> Part stacking, palletized insert loading function programmed in control.
- >> Input, output and logic circuits allow easy integration.



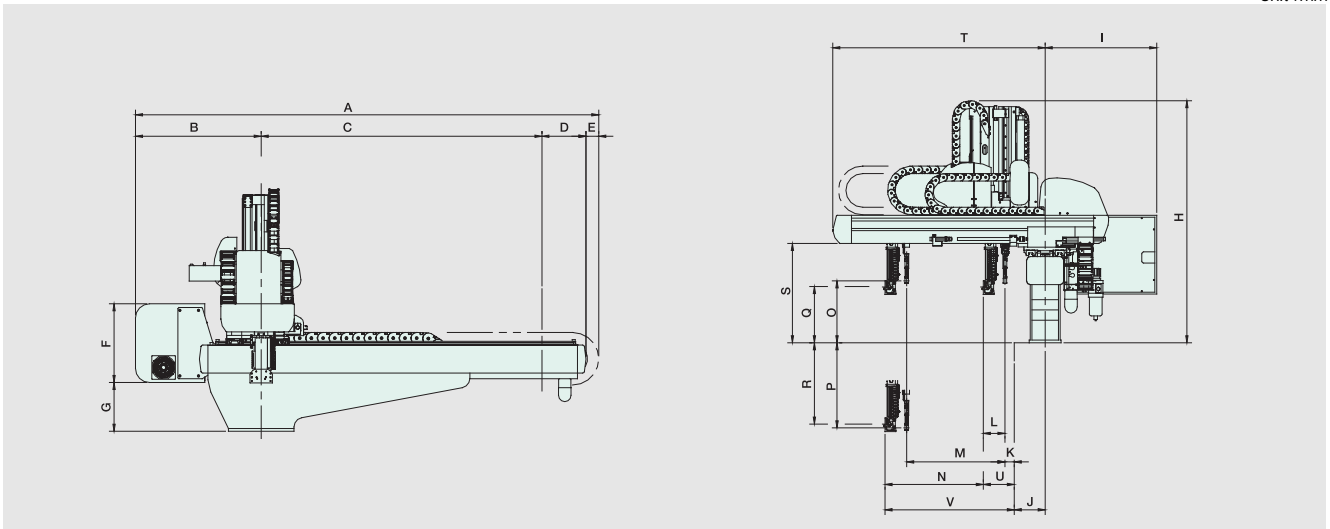
Technical Specification

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

Model	Traverse		Ascent/Descent (mm)		Kick(Reach) Stroke (mm)		Electric Consumption	Air Consumption [(normal)/Cycle]	Maximum handling capacity
	Standard	L Type	Main Arm	Sub Arm	Main Arm	Sub Arm			
HYBRID - 400D	1700	2000	1100	1100	825	150	3 Phase AC 220V D : 13A (Max.)	20	Up to 5kgf
HYBRID - 600D	2000	2500	1300	1300	910	150	3 Phase AC 220V D : 13A (Max.)	31	Up to 10kgf
HYBRID - 800D	2500	3000	1600	1600	1070	150	3 Phase AC 220V D : 15A (Max.)	38	Up to 15kgf
HYBRID -1300D	3000	3500	1800	1800	1450	200	3 Phase AC 220V D : 15A (Max.)	42	Up to 20kgf

Dimension

Unit : mm



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
HYBRID - 400D	2587 (3087)	627	1700 (2000)	215	-	420	260	1472	596	165	50	116	450	825	330	770	300	800	530	1435	166	991
HYBRID - 600D	3007 (3507)	592	2000 (2500)	415	-		179	1740	636	205	76	172	600	910	340	960	254	1046	632	1672	245	1155
HYBRID - 800D	3562 (4062)	632	2500 (3000)	430	-		284	2110	655	223	71	222	800	1070	346	1254	310	1290	752	1883	293	1363
HYBRID - 1300D	4292 (4792)	792	3000 (3500)	500	-		455	2440	680	255	49	273	1000	1450	420	4380	390	1410	972	2320	200	1772

All informations is subject to change without notice.

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