



Phoenix series Swing-arm robots



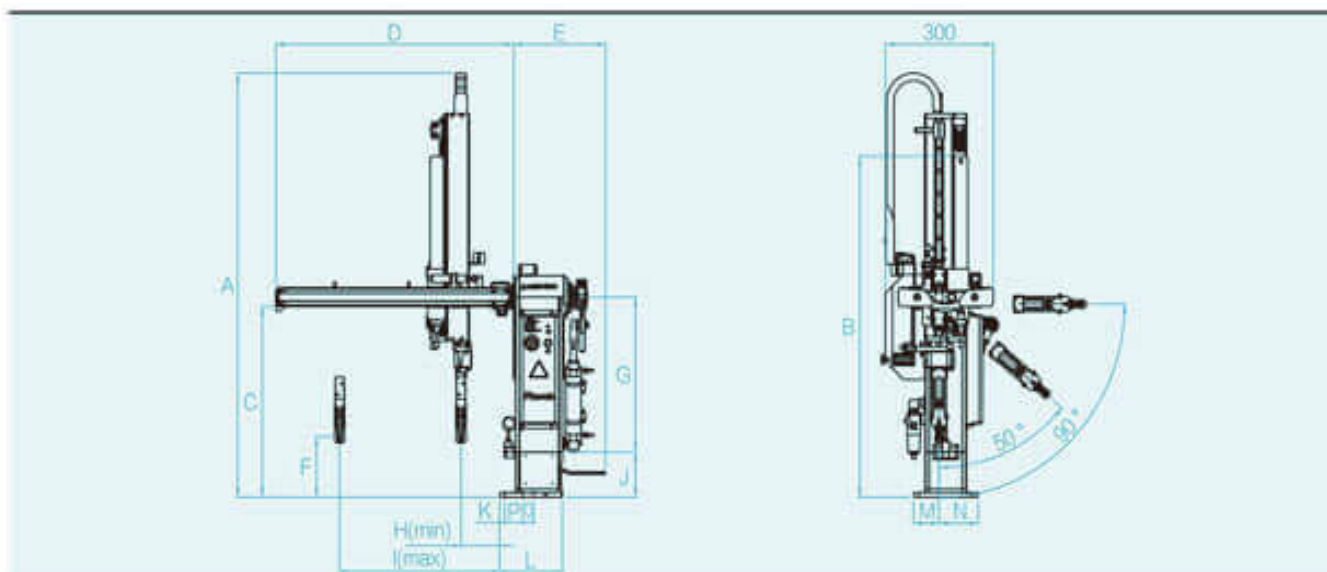
/General Specification

Power Source	Power Capacity	Working Pressure	Max.Allowed Pressure	Drive System
1Φ AC220V ±10V 50 / 60 HZ	0.2	5Kgf / cm ² 0.49Mpa	8Kgf / cm ² 0.8Mpa	Pneumatic Cylinder

/Main Specification

Model	P450V	P650V/WV	P850WV
Recommended I.M.M. (ton)	30-60	50-160	160-300
Vertical Stroke (mm)	450	650	850
Crosswise Stroke (mm)	120	120	200
Swing angle (degree)	60-90	60-90	60-90
Dry Take Out Time (sec)	1.3	1.7	1.9
Max.Loading (Kg)	2	2	2
Dry Cycle Time (sec)	4.0	4.5	5.8
Air Consumption (NI/cycle)	11	14	14
Net Weight (Kg)	27	30-32	41

* All statements here subject to change without advance notice.



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
P450V	1160	980	510	570	255	195	420	50	400	120	15	175	90	90	-	50	30
P650V	1350	1200	510	570	255	195	420	50	400	120	15	175	90	90	100	50	30
P650WV	1130	910	510	670	255	160	420	100	420	120	15	175	70	110	-	50	30
P850WV	1250	1010	510	670	255	160	420	100	420	120	15	175	70	110	-	50	30

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Phoenix series

Swing-arm robots

Awarded with number of patents, ALFA is the optimal choice for injection molding enterprises



Easy operation



Fast speed



Long lifetime



Low noise

Characteristics

Telescopic stage arm

Using high rigidity linear slide rail and aluminum alloy structural beam, telescopic special designed belt speed mechanism, can greatly shorten the structural height of vertical arm, in addition to increasing the speed and stability of the vertical arm, but also can cooperate with the low height of the plant.

Telescopic



P450 For 30-60T



□□□□ WV

Model: 450 / 650 / 850

W: Telescopic stage

V: Vacuum function including vacuum generator and standard suction cup fixture. The air consumption of this model already includes suction function.



Arm Type

Single stage/Telescopic stage



Crosswise

Frame structure



Servo

N/A



Linear Guide

Linear slide rails/linear guide

/ P450 / 650 / 650W / 850W



30-300 T

Recommended I.M.M.



2 kg

Loading



1.3 sec

Min. take out time



4.0 sec

Dry cycle time

Phoenix swing arm robot is suitable for 30-300 tons of various horizontal injection molding machines, used to remove finished products and sprue. The single function is used for the sprue picking, and the full function with vacuum function can be used to pick up the sprue and take out the product simultaneously. The rotary assembly mechanism can rotate the product 90 degrees. The function of this robotic arm can increase productivity by 20%-30%, reduce product defect rate, ensure operator safety, reduce labor cost and control production precisely and reduce waste.



/ Left-right Rotation mechanism

To change placing sprue or product direction, the user only needs to adjust screw without changing air pipe and magnetic switch.

/ Mold change adjusting structure

While changing mold, user only needs to loosen the fixed handle and the robot can rotate 90 degree to increase the mold-changing efficiency.



With rotation wrist structure, gripper can rotate 90 degree to place product.

Rotation Wrist Structure

