

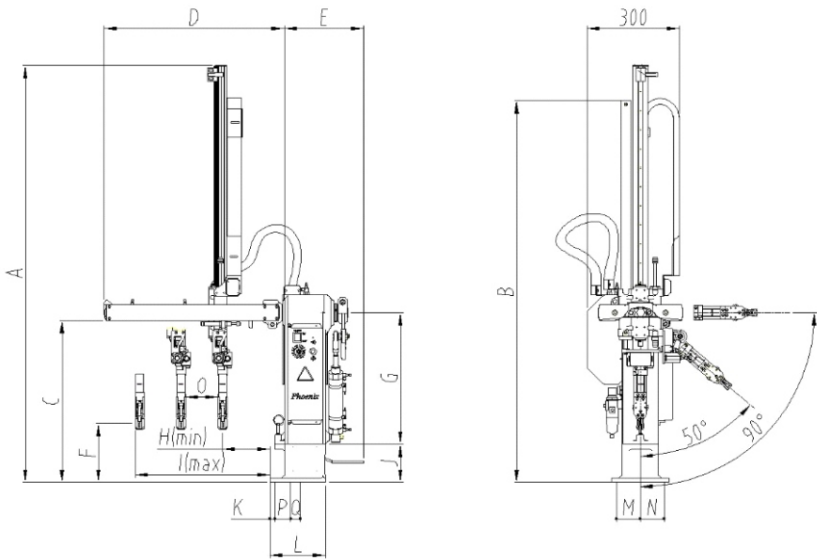
General Specification

Power Source	Power Capacity	Working Pressure	Max. Allowed Pressure	Drive System
1 ϕ AC 220V ± 10V 50/60 HZ	0.2KVA	5 Kg/cm ² 0.49 Mpa	7Kg/cm ² 0.7Mpa	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	
Dry Take Out Time(sec)	1.3	1.7	1.9
Max. Loading(Kg)	2	2	2
Dry Cycle Time(sec)	4	4.5	5.8
Air Consumption(NL/cycle)	11	14	14
Net Weight(kg)	27	30-32	41

Model denoted: W : telescopic type
V : with vacuum generator and vacuum jig
(These models require additional air consumption of 10 NL/cycle)



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
P450	1160	980	530	570		195		50	400				90	90	-		
P650	1350	1200	530		255		420			120	15	175			110	50	30
P650WV	1130	910	510			160		100	420				70	110	-		
P850WV	1250	1010	510	670											-		

All statements here subject to change without advance notice.



Dongguan Alfa Automation Technology Limited
Alfa Industrial Corporation

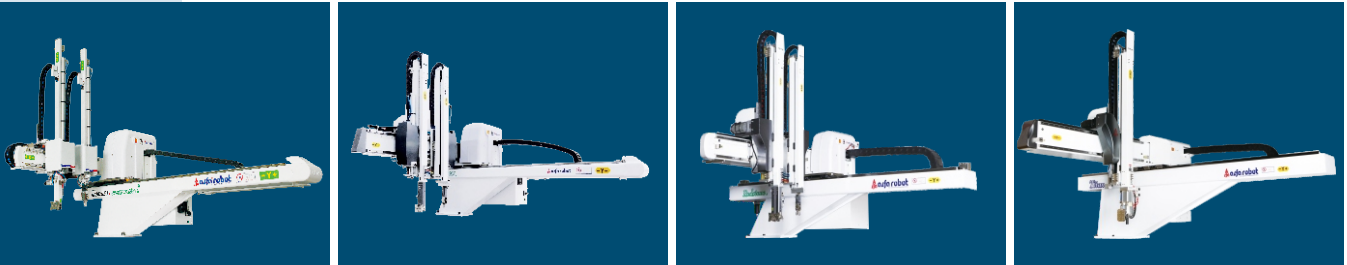
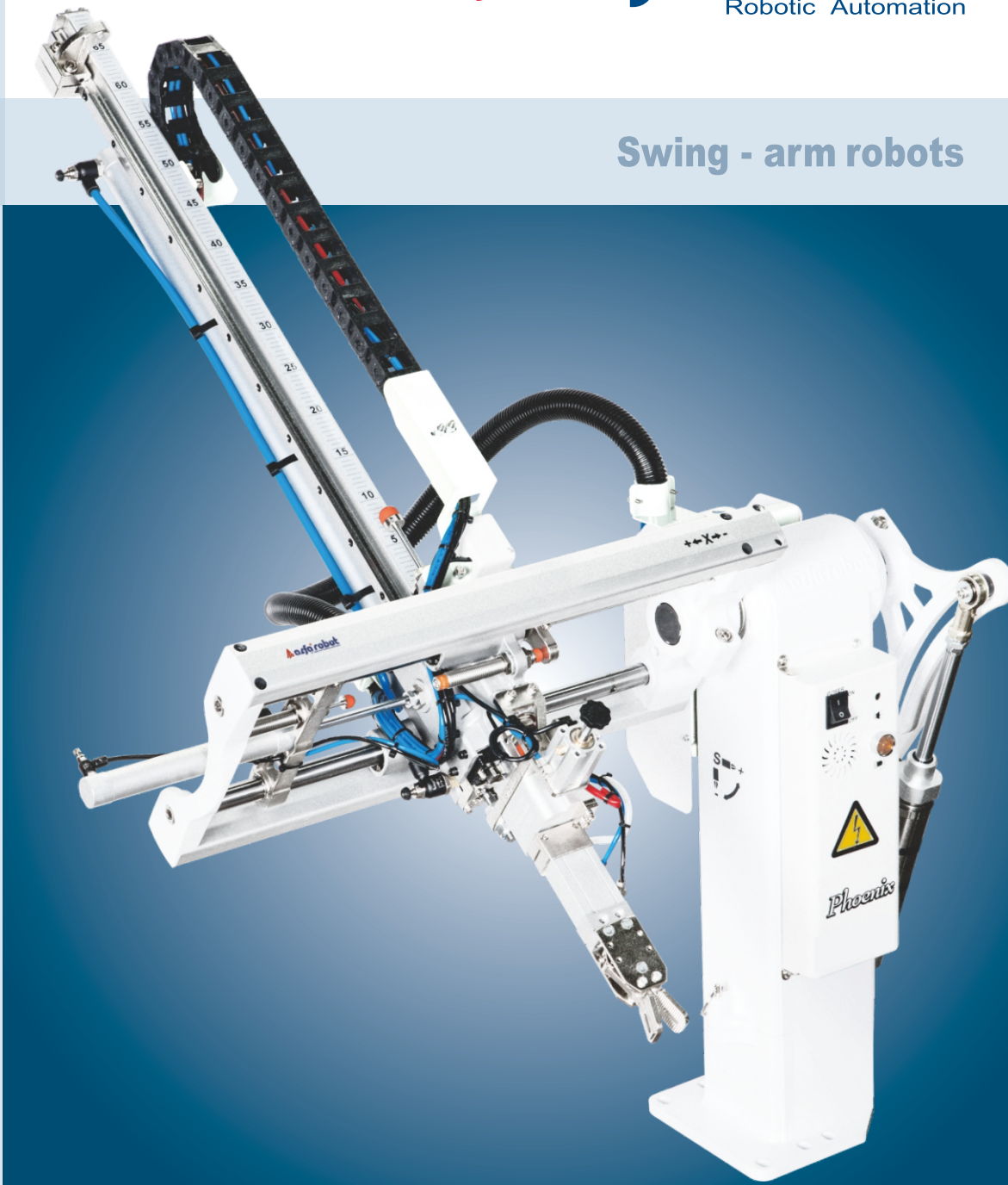
Dongguan factory:
Add: Songmushan Village, Dalang
Town, Dongguan, Guangdong, China.
TEL:+86-769-83180326
FAX: +86-769-83180329
E-mail: info@alfarobot.com
URL: www.alfarobot.com

Suzhou factory:
Add: Weitang Town, Xiangcheng
District, Suzhou, Jiangsu
TEL: +86-512-6590 3388
FAX: +86-512-6590 4888
E-mail: suzhou@alfarobot.com



Swing - arm robots

Phoenix series
Single Stage P450/650 Telescopic P650/850W



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Phoenix series

Swing - arm robots

Swing - arm robots

Super Economy; High Speed; High Efficiency; Long Use Life; Low Noise

Phoenix series is applicable to all types of horizontal injection machine of 30T to 280T for take-out of products and sprues. Models are 450/ 650/ 850 with single stage arm or telescopic arm. Vertical stroke is 450mm to 850mm. Phoenix series is used for two-mold-platen to take out sprue. Optional function is with vacuum generator and vacuum jig to take out sprue and product. Rotation wrist structure is to rotate product 90 degree. Installation of this robot will increase productivity (20 to 30%), reduce defect rate, ensure safety of operators, reduce manpower and accurately control the output to reduce waste.

Arm Structures:

Apply advanced imported high rigidity linear guide. Light high rigidity alloy aluminum extrusion beam applied in vertical axle, realizes high speed, high efficiency, low vibration and life expectancy of the machine. Optimum grouped design, high inter-changeability between all parts and components.

Left-right rotating structure:

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

Rotation wrist structure:

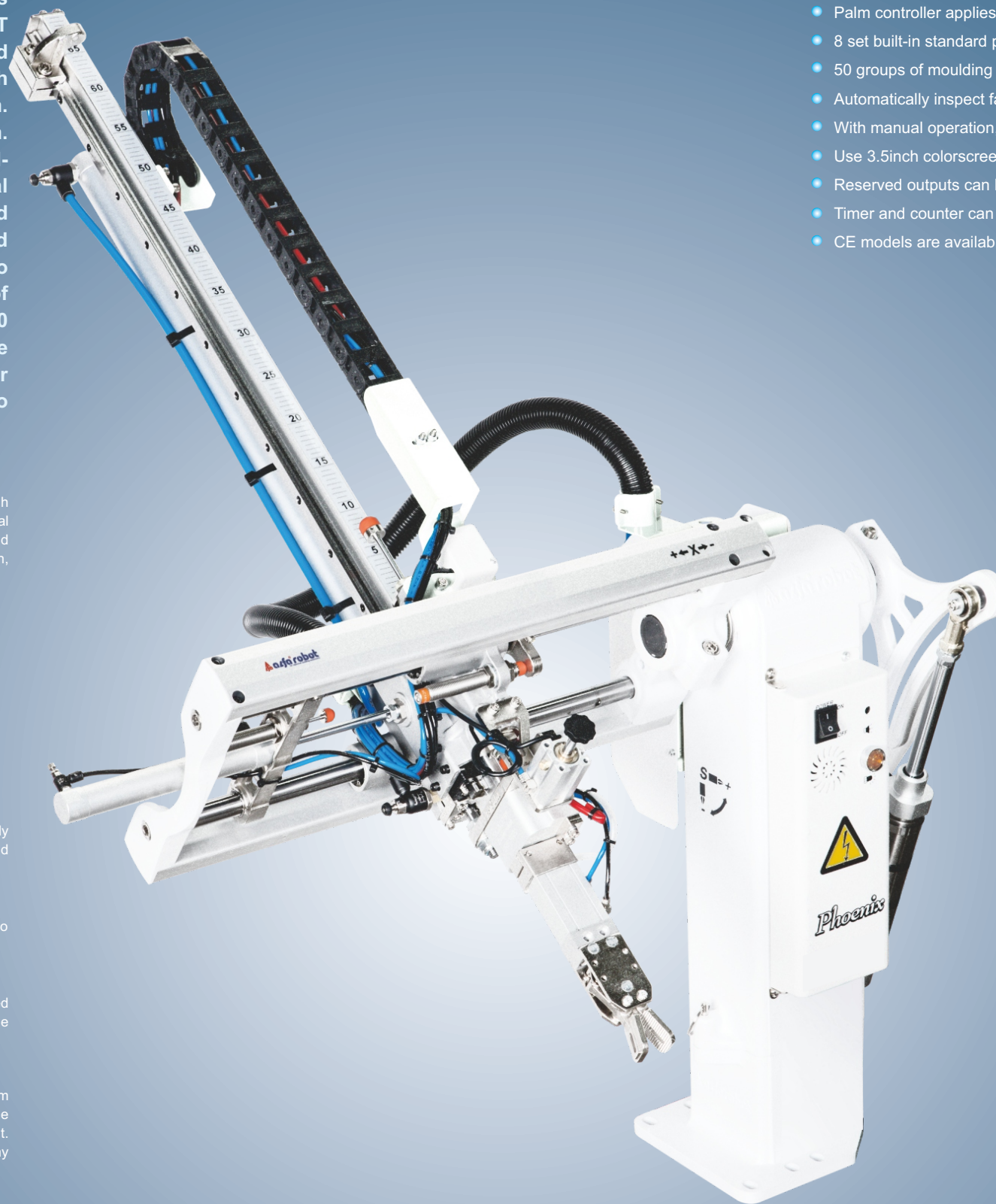
With rotation wrist structure, gripper can rotate 90 degree to place product.

Mold change adjusting structure:

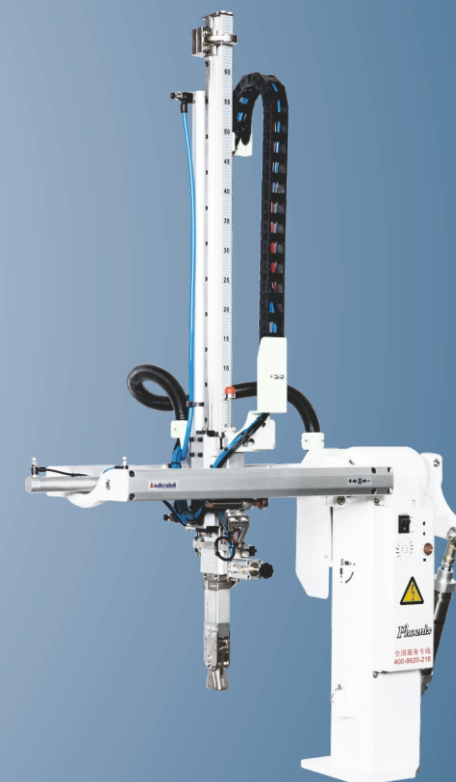
While changing mold, user only needs to loosen the fixed handle and the robot can rotate 90 degree to increase the mold-changing efficiency.

Jig circuit:

With vacuum generator and vacuum jig function, the vacuum circuit is reserved to take out product and sprue at the same time. This can be applied to multi-cavities products take-out. With single function is to grip the sprue out without any vacuum function.



Single stage



Telescopic type

