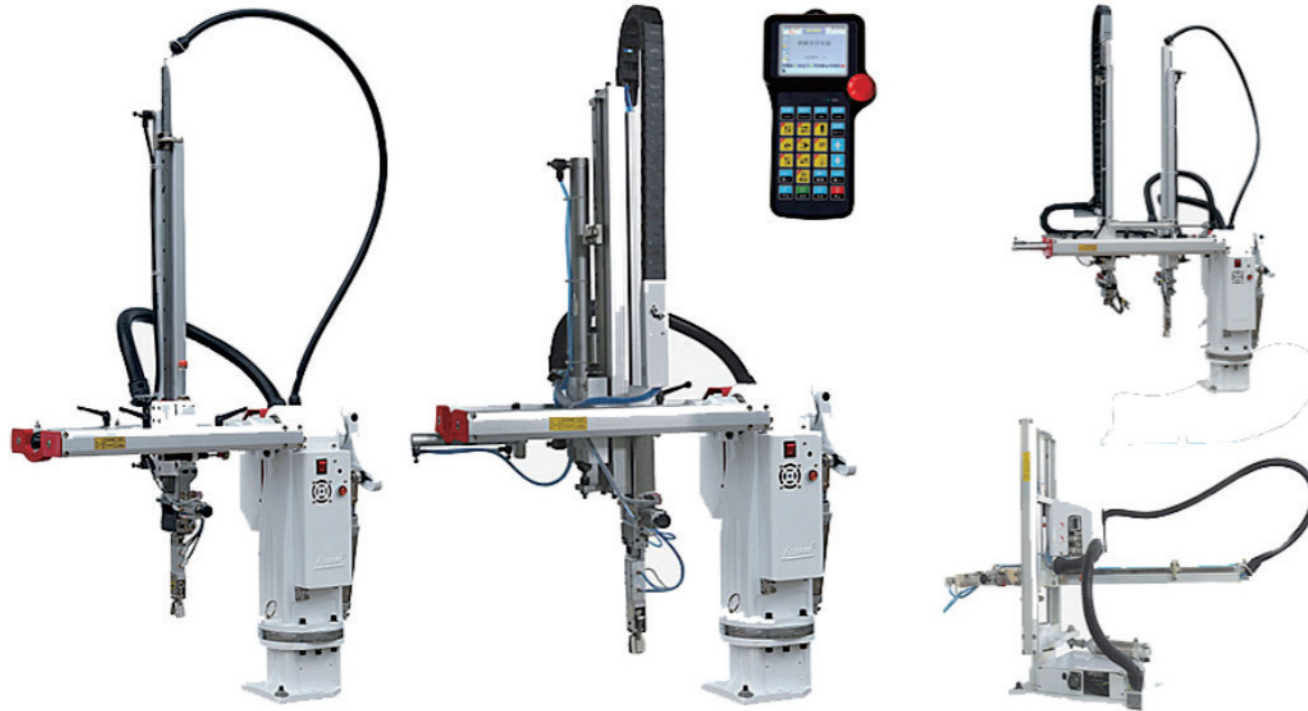


## Small inclined arm manipulator

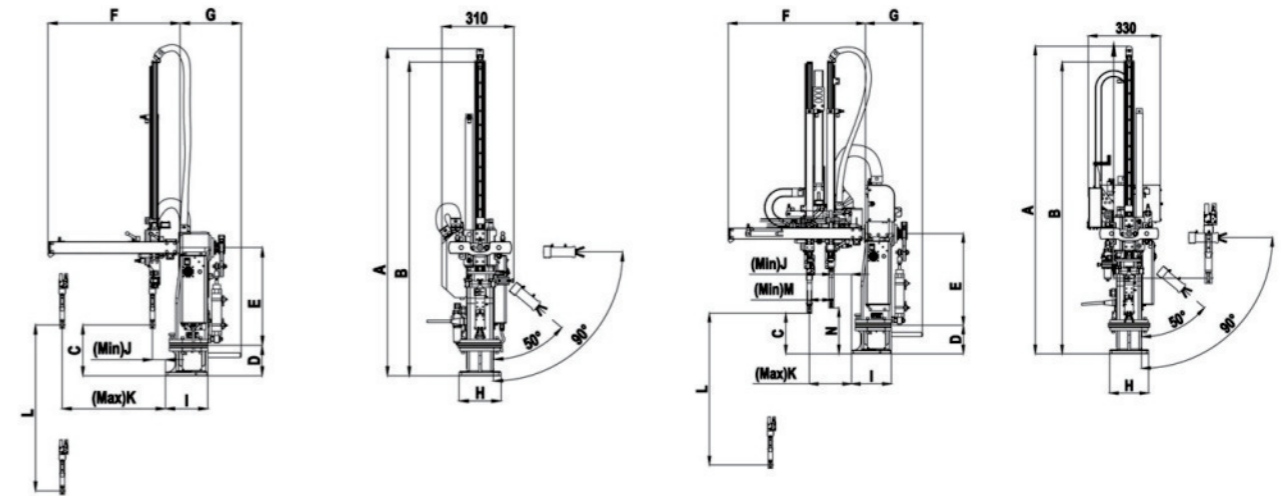


### Features:

- Rotate the structure left and right. When changing the storage, it is easy to adjust. Just adjust the screw. The rotating clamp can be rotated 90 degrees.
- Mold change adjustment mechanism, when changing the mold, just open the fixed handle, can be rotated 90 degrees, improve mold change efficiency.
- The jig loop, single-function type can only be clipped. Optional vacuum function.
- Rugged arm structure, light and high rigidity aluminum alloy structural beam, with linear bearings and high rigidity bearing steel guide rails.
- Double-cut arm, using high-rigidity linear slides and high-rigid structural beams, specially designed belt double speed mechanism. The height of the upper and lower arms is greatly shortened, and only half of the optimized upper and lower cylinders can reach the full stroke. It can increase the speed and stability of the uplink and the downlink.

### Specification :

Model	RO-550V	RO-650V	RO-550PR	RO-650PR	RO-850V	
Arm Type	Single arm and single arm		Single arm and two arms			
Applicable to injection molding machine ( ton )	50-150	100-180	100-180	100-180	150-300	
Stroke	Vertical (有效) ( mm )	550	650	P550 R550	P650 R650	850
	crosswise (最大) ( mm )	390		450		
	Drawing ( mm )	120		P170 R120		200
Swing angle	50° -90°					
Gripper rotation angle	90°					
Max load ( include gripper ) ( kg )	2-3					
Minimum take time ( s )	2.1	2.2	1	1	1	
Full cycle time (without fixture)(s)	4.2	4.2	4.5	4.8	4.5	
Drive method	pneumatic					
Working air pressure ( KG/cm <sup>2</sup> )	5-7					
Air consumption (NL/cycle)	7.6	7.7	12	12	7.6	
Power consumption ( KVA )	0.2					
Net weight ( Kg )	46.9	47.5	63.8	64.5	65.5	



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
550(V)	130	1230	200	130	417	550	260	178	181	55	390	550	/	/
650(V)	1400	1330	200			550				55	390	650	/	/
550PR	1300	1230	185	130	417	620	260	178	181	90	450	550	80	200
650PR	1400	1330	185			620				90	450	650	80	200

\*Special design upon request.

### Single-axis/two-axis servo traverse robot



The single-axis/two-axis servo traverse robot is mainly used for the removal of the finished product and the nozzle of the 50-550T injection molding machine. It adopts a single-section arm or a double-cut arm. The horizontal drive mode mainly includes a variable frequency motor and two AC servo motors. With pneumatic drive, the stroke adjustment and position adjustment are manually adjusted (standard type) and electric adjustment (optional type).

#### Specification :

Model	700	900	1000	1200	
Arm Type	Single arm / single arm				
Applicable to injection molding machine ( ton )	50-200	200-350	350-450	450-550	
Stroke	Crosswise stroke ( mm )	1300(1500)	1700	1800(2000)	1800(2000)
	Drawing ( mm )	P:150 R:100	P:300 R:100	P:400 R:150	P:400 R:150
Max load ( include gripper ) (kg)	5	5	10	10	
Minimum take time ( s )	2.4(1.2)	2.9(1.5)	3.1(2)	3.6(2.4)	
Full cycle time (without fixture)(s)	8(4.5)	8.8(5)	9.3(6)	10.5(7.5)	
Drive method	Servomotor				
Working air pressure ( KG/cm <sup>2</sup> )	5-7				
Air consumption (NL/cycle)	20(9)	25(11)	30(11)	36(12)	
Power consumption ( KVA )	1.1				
Net weight (Kg)	190-240	235-270	280-340	295-345	

\*Special design upon request.

### Full servo manipulator/ Three-axis servo traverse robot



#### Features:

- Applicable to 850-4000 tons of injection molding machines for quick removal or a variety of removal applications.
- X, Y, Z three axes are driven by AC servo motor, with low noise line, high speed, quiet, smooth and stable.
- The whole machine adopts imported low noise, high flexibility and dustproof towline, which is durable.
- The jib can be equipped with a pneumatic drive to grip the hopper or nozzle.
- Through the rack and pinion transmission, it avoids the slight jump caused by the belt elastic transmission, ensuring precise positioning during large stroke operation.