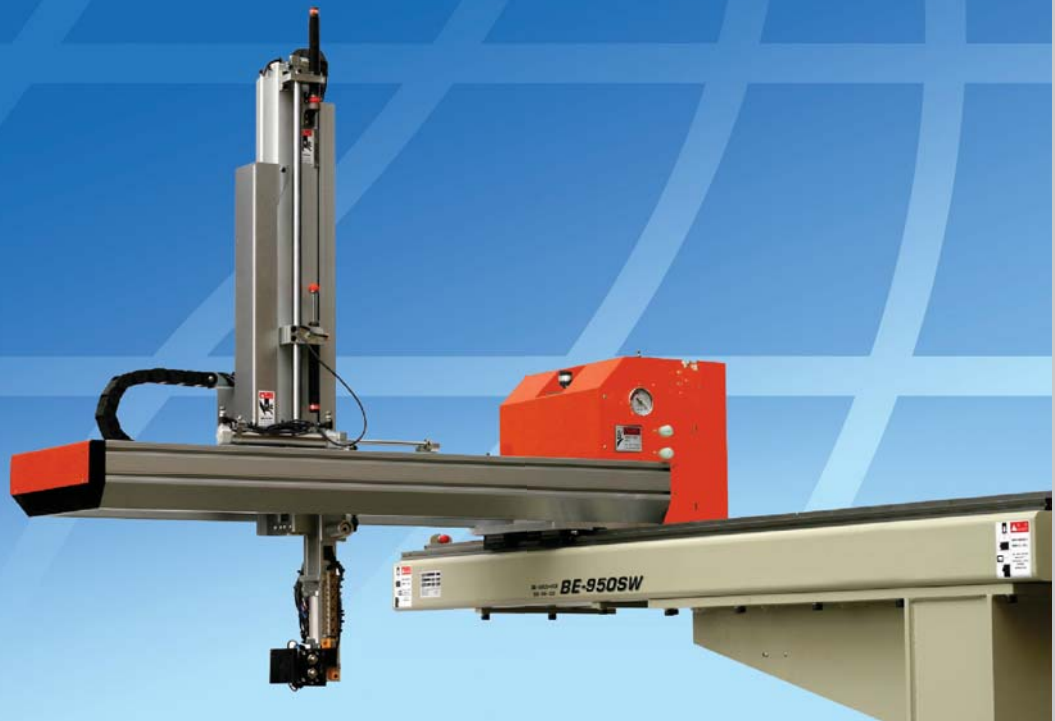




Low-Cost Beam Robots  
for Molding Machines to 550 Tons



**Acts Like a Beam Robot;  
Priced More Like a Sprue Picker**

Designed for those part-removal and pick-and-place applications where a sprue picker could normally do the job, but where greater flexibility of part release position is required, the BE Series of pick-and-place robots gives molders the best of both worlds. Vertical and kick strokes are pneumatically powered, and the horizontal axis features AC electric drive.

Most sprue pickers are not designed to traverse outside of the area above the mold. Instead, the arm swings like a pendulum out to the side of the machine and drops the molded part from a relatively high position. Molders can now have a higher degree of control over part release and positioning with the very affordable BE Series robot.

Key features include:

- The standard 90° wrist rotation allows parts to be released in proper orientation onto a belt conveyor or table
- Multiple drop locations can be programmed for flexible part placement
- Space-saving design has robot controls mounted on horizontal beam to reduce floor space requirements
- Optional R2 rotation - 90° or 180° - allows for reorienting parts for secondary operations outside the machine
- Horizontal Extensions let you size the robot to a specific application



**Hand-Held Control for Fast, Easy Operation**

Operator control is accomplished via a compact, hand-held control panel. Nine standard, pre-programmed sequences are included and the control has ample memory to store and instantly recall up to 90 additional programs. Other control features include:

- Self-diagnostic system displays error messages and alarms
- Up to six spare inputs & outputs for EOAT, conveyor or other functions
- Set and adjust cycle timers in both manual and automatic mode
- Additional vacuum and pressure circuit options for independent part release



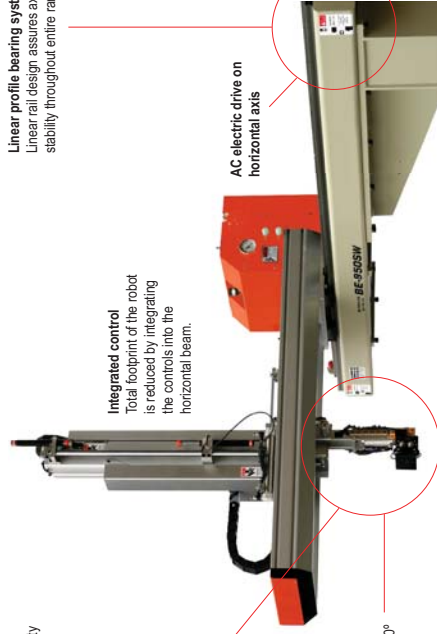
Remote vertical and horizontal adjustment, standard on BE-1100 and -1300

**Remote adjustment**  
Hand-held control improves safety and convenience by remotely adjusting vertical and kick stroke hard stop positions.

**Cylinder safety lock**  
Prevents vertical arm drop if there is a sudden loss of air pressure.

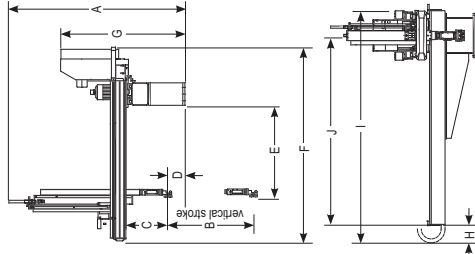
**R2 wrist rotation (optional)**  
Easily achieve accurate part placement and orientation with 90° or 180° pneumatic wrist rotation.

**Integrated control**  
Total footprint of the robot is reduced by integrating the controls into the horizontal beam.



**Linear profile bearing system**  
Linear rail design assures axes travel stability throughout entire range of motion.

**AC electric drive on horizontal axis**



MODEL	BE-950	BE-1100
<b>Performance characteristics</b>		
Molding machine size	up to 350 ton	up to 450 ton
Maximum payload lb (kg)	5.6 (3)	17.6 (8)
<b>Dimensions inches (mm)</b>		
Main arm vertical stroke	37.4 (950)	43.3 (1100)
Horizontal stroke	63 (1600)	78.7 (2000)
Main arm strip stroke	5.9 (150)	15.7 (400)
Wrist flip (flip)	90°	90°
<b>Electrical requirements</b>	AC 230V ±10% / 3 phase / 60 Hz	
<b>Utility requirements</b>		
Working air pressure psi (bar)	80 (5.5)	80 (5.5)
Maximum air pressure psi (bar)	130 (9.0)	130 (9.0)

INSTALLATION DIMENSIONS inches (mm)										
A	B	C	D	E	F	G	H	I	J	
BE-950	51.1 (1300)	37.4 (950)	9.8 (250)	6.7 (172)	7.8 (200)	49.6 (1260)	4.1 (105)	78.7 (2000)	63 (1600)	
BE-1100	65.5 (1665)	43.3 (1100)	14.7 (375)	5.9 (150)	15.7 (400)	67.9 (1725)	7.8 (200)	98.4 (2500)	78.7 (2000)	



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