# **Pneumatic Robots**



Small but Powerful Technology working for you.



# W702 Sprue Picker

For the removal of sprues and parts from the injection molding machine. The solid construction allows fast movement with low vibration for precise removal.

## - X-axis (kick-stroke)

- Heavy-duty linear rails and recirculating ball bearings.
- Swivel base to rotate the arm behind the fixed platen for mold changes and locating pin to precisely reposition arm for part removal.
- Y-axis (vertical stroke) 0–550mm (21.7") or 700mm (27.6")
  - Adjustable stroke.
  - Pneumatic shock absorbers.
  - Locking cylinder to prevent the arm from drifting down into the mold in the event of air pressure loss.
  - The Y-axis is also equipped with a heavy-duty switch as an additional interlock before the mold can close.
  - Energy chain for less wear of tubing.

## Z-axis (pivot)

- Freely adjustable from 45°-95°.
- Simple changeover from rear side to operator side placement.

## B-axis (90 °C tooling rotation)

- Rotation is made automatically when pivoting the Z-axis out of the press.

## Mechanical Sprue Gripper with part monitoring.

## optional

- Venturi vacuum with part monitoring.
- Parts gripper with 4 suction cups.



## SA7 Control

- For W702 sprue picker and W710 robot.
- Easy to use interface with graphical LCD display. Arrangement of buttons and symbols is similar to the CNC TeachBox for easier use by the operators.
- Simple sequence start.
- Simple Teach-In programming of the entire program sequence, including all movements, strokes, time settings and molding machine interface.
- 4 standard programs for easy setup.
- Up to 50 additional individual programs can be taught and stored.
- Standard molding machine interface (SPI & E12).
- Full diagnostics with text error messages.
- Different languages are included and can be selected: English, German, French, Spanish, Chinese, etc.





SA7 teach pendant with graphical LCD display

Easy access for service

## **Innovative 7 Series Robots**

The W710 series are the perfect robots for smaller molding machines up to 200 t.

These robots are designed with a fixed kick stroke beam. The rugged, specially reinforced aluminum extrusion is directly attached to the main carriage. There are no parts sticking out towards the injection unit. Even on small molding machines there is no collision with the hopper. The rugged lightweight vertical arm is guided by high capacity linear bearings to allow fast movement with minimum vibration for precise insert and removal jobs.



## W710(S) One-Axis Motor Robots

## "Pick and Place" Robots Providing High Performance at Affordable Prices

#### = Z-axis

Motor driven by asynchronous servo motors for precise control of multiple stopping positions on traverse axis.

### Y-axis and X-axis

- Rugged lightweight aluminum extrusion to allow fast movement.
- Pneumatically driven with large hydraulic shock absorbers provide smooth and shock dampening stops.

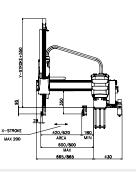
## Model T

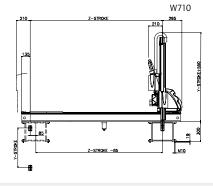
This pick and place robot with telescopic Y-axis is specially designed for low ceiling height.

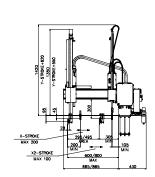
### Model S (optional)

Double arm robots are designed particularly for three-plate mold applications.

Measures mm (inches)	Vertical Stroke		Kick-Stroke		Horizontal Stroke
Туре	Y-stroke	Y2-stroke	Reach	X/X2-stroke	Z-stroke
W710 - 800	800	-	600	200/-	1,500
W710 - 1000	1,000	-	600	200/-	1,500
W710 - 1000L	1,000	-	800	200/-	2,000
W710 - 1200	1,200	-	800	200/-	2,000
W710S - 800	800	850	600	200/100	1,500
W710S - 1000	1,000	1,050	600	200/100	1,500
W710S - 1000L	1,000	1,050	800	200/100	2,000
W7105 - 1200	1,200	1,250	800	200/100	2,000
W710T - 800	800	-	600	200/-	1,500
W710T - 1000	1,000	-	600	200/-	1,500
W710T - 1000L	1,000	-	800	200/-	2,000
W710TS - 800	800	850	600	200/100	1,500
W710TS - 1000	1,000	1,050	600	200/100	1,500
W710TS - 1000L	1,000	1,050	800	200/100	2,000

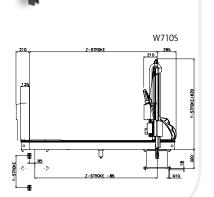






W7105

W710TS



# Technology working for you.

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