HAMILTON

Integrating plastic technologies since 1965

SPRUE PICKER

SS Series

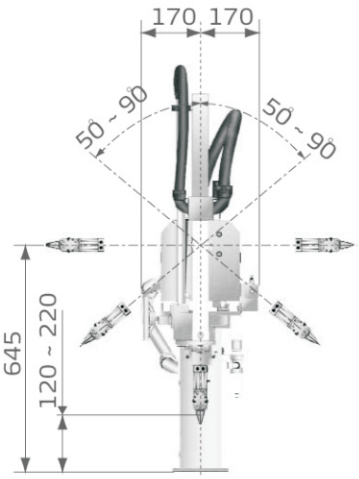
SS-550

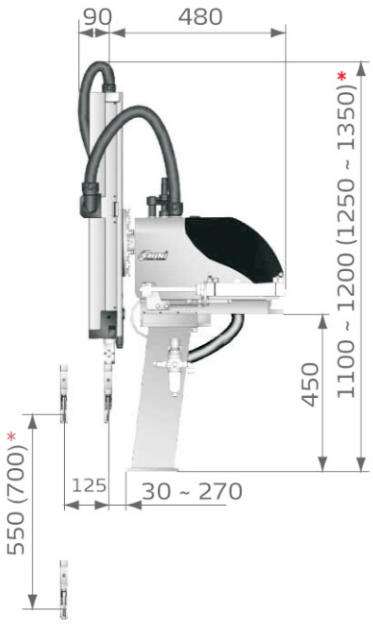
The SS series of Sprue Pickers has been specifically engineered and designed for the rapid and precise removal of sprue or runner for by-the-press recycling after injection moulding. It can also carry out simple removal functions for moulding parts providing the optional vacuum suction fixture is additionally fitted.

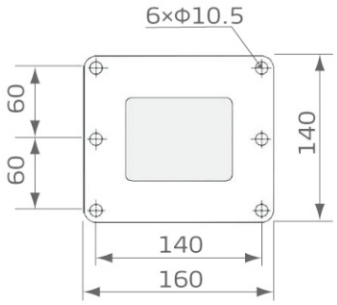
There are two (2) models available, offering 550mm and 700mm vertical strokes and are suitable for use with plastics injection moulding machines under 150 ton and 250 ton clamping force respectively.

FEATURES:

- Designed with frame-type style, compact and streamlined appearance.
- Proximity sensors and anti-colision devices are applied to all moving directions in order to provide safety mechanically and electrically.
- The displacements can be adjusted simply by changing the position limit blocks in easy directions. Air current can be adjusted by the cylinder speed control fitting.
- All pneumatic accessories, electric accessories, and communication protocols meet the global standards. Interface between injection molding machine and robot is designed to EUROMAP 12, EUROMAP 67 and SPI.
- Plug and use industrial connectors achieve simple installation and uninstallation. Extra 4 sets of I/O pins are available for other applications.
- There are 8 standard programs and memory for up to 80 customized programs with self fault detection.







Base Flange

Notes: " * " denotes that the dimension is only suitable for SS-700.

SPECIFICATIONS:

Model	SS-550	SS-700
IMM (ton)	50~150	100~250
Crosswise stroke (mm)	0~125	0~125
Vertical stroke (mm)	0~550	0~700
Swing angle (deg)	50~90	50~90
Wrist angle (deg)	90	90
Max load (with tool) (kg)	0.5	0.5
Min pick-out time (sec)	0.8	0.9
Min cycle time (sec)	3	3.2
Max air consumption (Nl/cycle)*	9	10
Power rating (W)	30	30
Rated Current (A)	0.5	0.5
Air pressure (bar)	4~6	4~6
Weight (kg)	62	64
Dimensions (WxHxD) (mm)	340x570x1100	340x570x1250

Note: 1) Power supply requirement: 1ϕ, 100-240V, 50/60Hz.
2) * Max air consumption for vacuum device 30Nl/min.

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