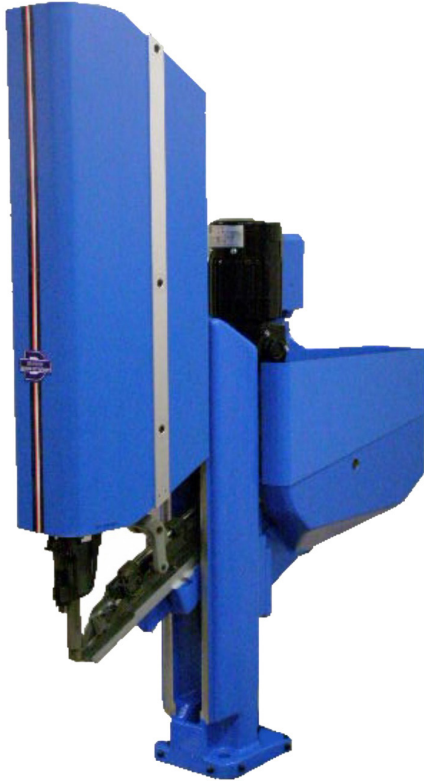




DIXON AUTOMATIC TOOL, INC.

Products for Automated Assembly

Model AP-107 Part Placer



Feed System Information

Feed System	Rotary Drum Hopper 2458 cubic cm. (150 cubic in.)
Track	Incline Gravity Fed Track
Escapement	Mechanically Linked Optional Air Escapement

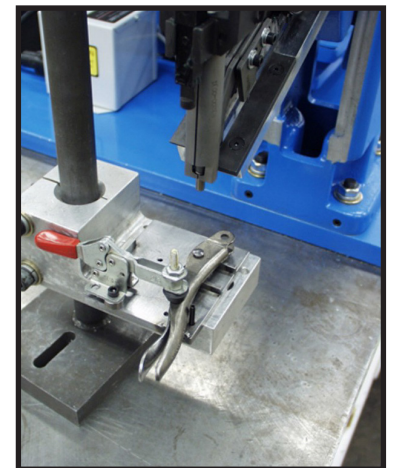
Piece Part Information

Shank Diameter	2.8mm - 6.35mm (.110 in. - .25 in.)
Shank Lengths	Max. 25.4mm (1.0 in.)
Head Diameters	Max. 14mm (.55 in.)

The Model AP-107 Part Placer is well suited to place headed pieceparts for semi-automated assembly operations. The Part Placer has a motor driven rotary parts hopper, an inclined hardened steel track, a support column, a transfer escapement, and interlocking controls. The escapement places each piecepart into the placer head's placement jaws. To ensure accurate placement, the placement jaws hold each piecepart until the piecepart is engaged in the workpiece. The AP-107 provides a pressing force of 38.6 kilograms (85 pounds). A larger cylinder can be installed to increase the pressing force to 79 kilograms (175 pounds) depending on the placement force requirements. The placement head has built-in sensing to confirm proper placement of the each piecepart.

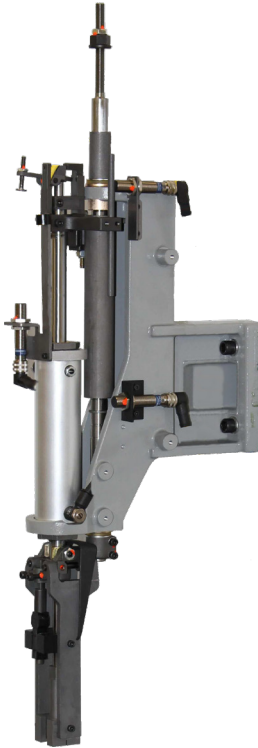


Inside Rotary Hopper

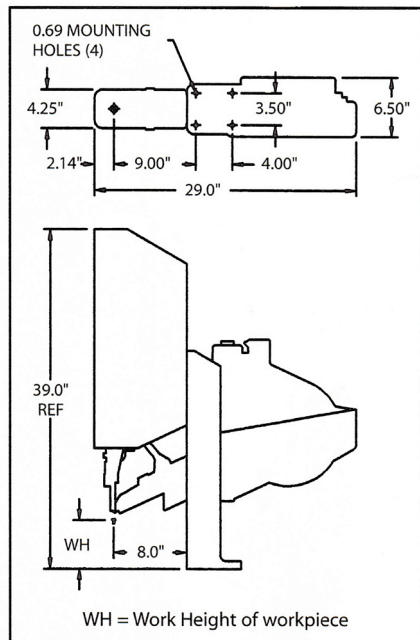


AP-107 Tooling and Fixtures

AP-107 Part Placer Head



AP-107 Dimensional Data



NOTE: We reserve the right to make further technical changes without notice.
CAD Drawings are available

Standard Head Features

Head Stroke	50.8mm, 76.2mm 101.6mm, 127mm (2 in., 3 in., 4 in., 5 in.)
Pressing Force	178-778N (40-175 lbs.) Standard Max 378N(85 lbs. Force) 38.1mm (1.5 in.) Cylinder Optional Max 778N (175 lbs. Force) 50.8mm (2.0 in.) Cylinder
Air Supply	6.3 Bar (90 PSI)
Proximity Switches	Std: 24 VDC PNP Others Optional
Valves	Four-way pneumatic valve (24 VDC)

Inline Load Cells Can Be Added



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