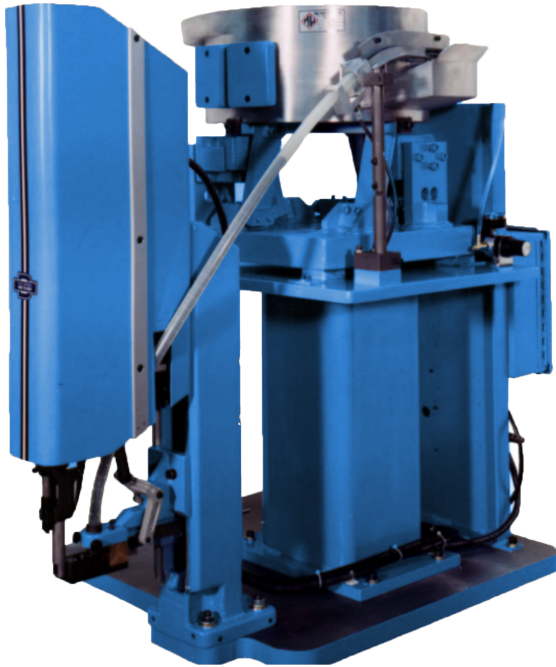




## Model AP-120 Part Placer



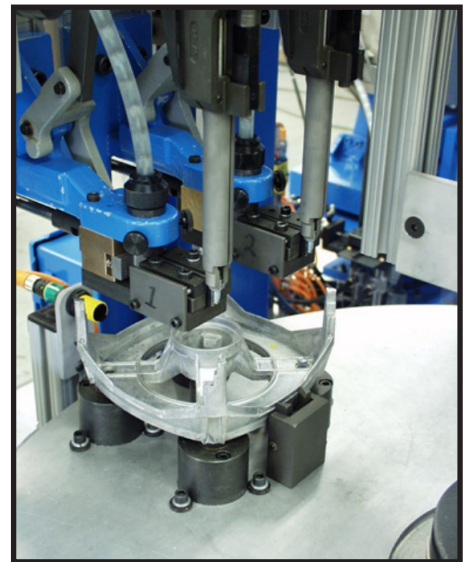
### Feed System Information

Feed System	Vibratory Feeder Bowl
Bowl Size	228.6-914mm (9-36 in.)
Track	Tube Gravity or Blow Tube
Shuttle Style Escapement	Mechanically Linked Standard Optional Air Escapement

### Piece Part Information

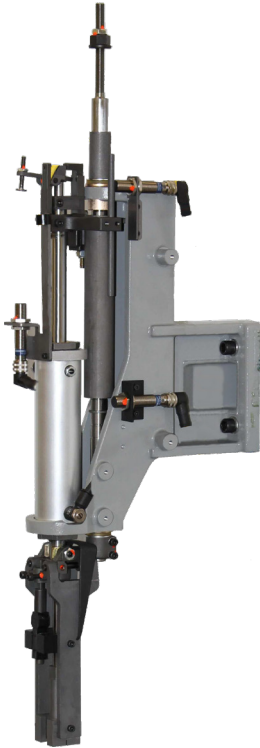
Shank Diameter	2.0mm - 22mm (.08 in. - .87 in.)
Shank Lengths	Max 50.8mm (2.0 in.)

The Model AP-120 Part Placer is ideally suited for an automated assembly system. It is fully automatic and designed to place headless pieceparts. This model is equipped with a vibratory bowl feeder, a feed tube between the bowl feeder and placer head, support column, and a cross-shuttle escapement. The escapement places each piecepart into the part placer head's placement jaws. The placement jaws hold the piecepart in position until the piecepart is engaged in the workpiece. The part placer head has built-in sensing to confirm proper insertion of each piecepart into the workpiece. The AP-120 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 baseplate size is determined by the size of the bowl feeder system.



AP-120 Tube Escapement  
and Placement of Piecepart

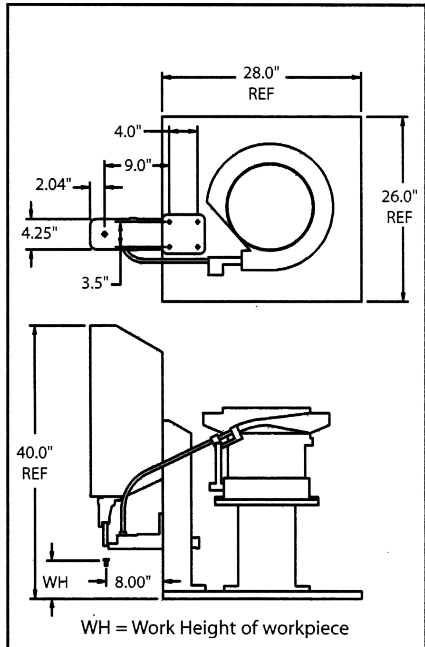
# AP-120 Part Placer Head



## Standard Head Features

<b>Head Stroke</b>	50.8mm, 76.2mm 101.6mm, 127mm (2 in., 3 in., 4 in., 5 in.)
<b>Pressing Force</b>	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
<b>Air Supply</b>	6.3 Bar (90 PSI)
<b>Proximity Switches</b>	Std: 24 VDC PNP Others Optional
<b>Valves</b>	Four-way pneumatic valve (24 VDC)
<b>Inline Load Cells Can Be Added</b>	

## AP-120 Dimensional Data



NOTE: We reserve the right to make further technical changes without notice.

CAD drawings are available

Note: Baseplate varies with bowl size:  
12-inch ID bowl shown



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