



## Model AP-111 Part Placer



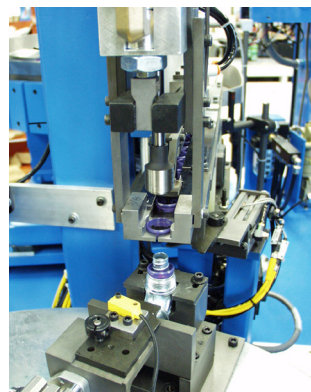
### Feed System Information

<b>Feed System</b>	Vibratory Feeder Bowl
<b>Bowl Size</b>	228.6-914mm (9-36 in.)
<b>Track</b>	Incline Vibratory Fed Track
<b>Escapement</b>	Mechanically Linked Standard Optional Air Escapement

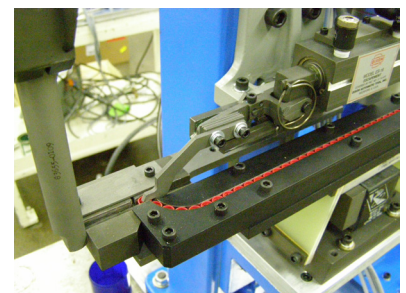
### Piece Part Information

<b>Shank Diameter</b>	2.84mm - 6.35mm (.112 in. - .250 in.)
<b>Shank Lengths</b>	Max 101.6mm (4.0 in.)
<b>Head Diameters</b>	Max 25.4mm (1.0 in.)
<b>Disc-Shaped Parts</b>	Max 64mm dia. (2.5 in.)

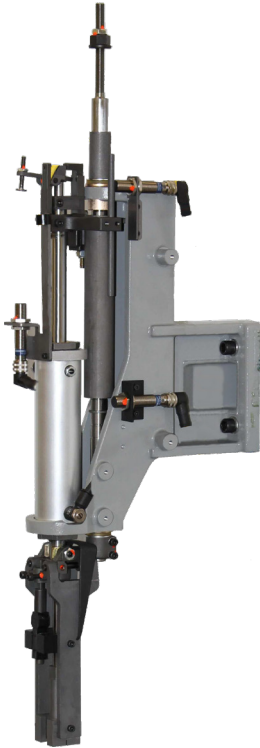
The Model AP-111 Part Placer is ideally suited for automated assembly systems. It is fully automatic and equipped with a vibratory bowl feed system, a horizontal vibratory hardened feed track, transfer escapement, support column and interlocking controls. The placement head has built-in sensing to confirm proper placement of each piecepart. The placement jaws hold the piecepart in position until the piecepart is engaged in the workpiece. The AP-111 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 vibratory bowl feeder system. Control options can be selected to meet the requirement of each application.



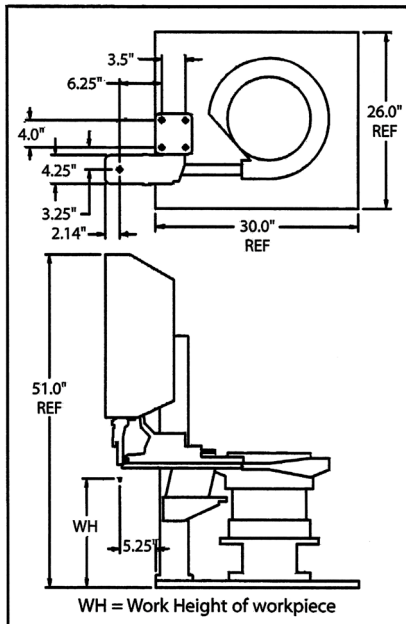
Close-up of Track and Part Placement



# AP-111 Part Placer Head



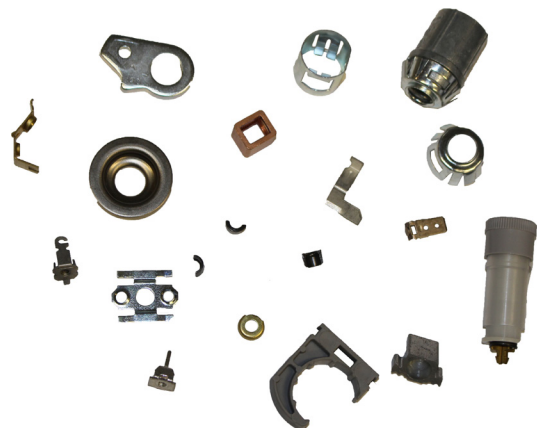
## AP-111 Dimensional Data



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

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>	



**DIXON AUTOMATIC TOOL, INC.**  
2300 23rd Avenue, Rockford, IL 61104 USA  
P: 815-226-3000 | sales@dixonautomatic.com  
www.dixonautomatic.com