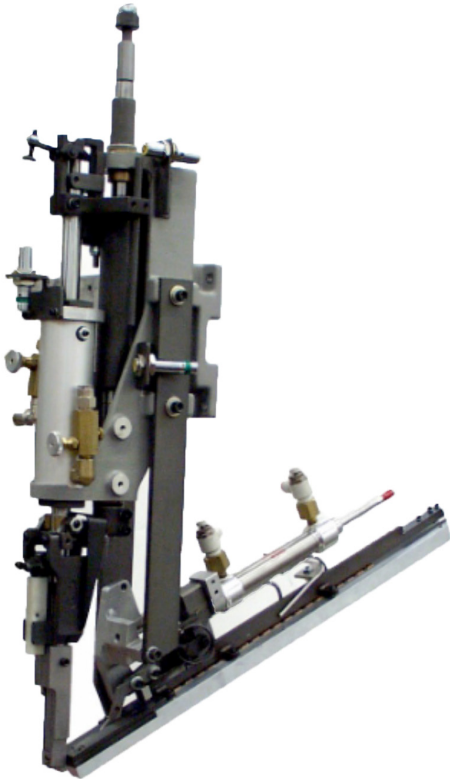




DIXON AUTOMATIC TOOL, INC.

Products for Automated Assembly

Model AP-171 Part Placer



Feed System Information

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

Piece Part Information

Shank Diameter	2.84mm - .35mm (.112 in. - .25 in.)
Shank Lengths	Max 38.1mm
Head Diameters	Max (1.5 in.) 14mm

(.56 in.)

The Model AP-171 Part Placer is ideally suited

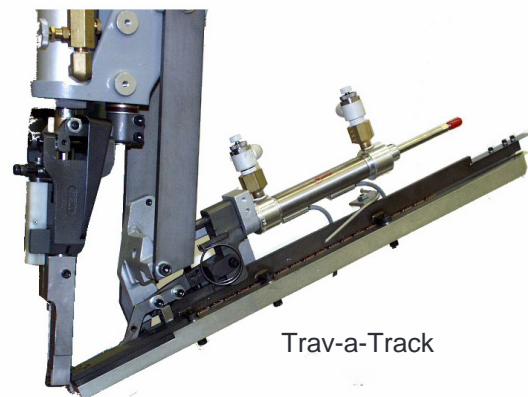
for Robotic applications. The Head is attached

to a Trav-A-Track and a piecepart transfer

Escapement. This Track is designed to track between cycle times in the assembly process. The transfer escapement places each piecepart into the placement jaws. The jaws grip pieceparts until they are assembled to the workpiece. The AP-171 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 piecepart requirements. the

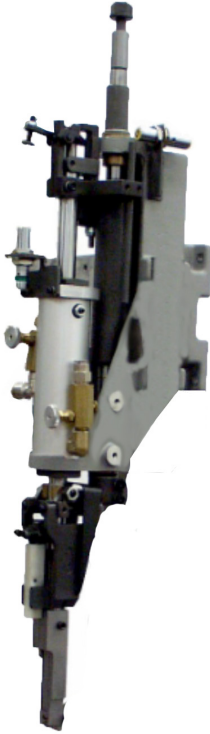
Trav-A-Track. This design feature provides

for a quick refill of pieceparts to the Trav-A

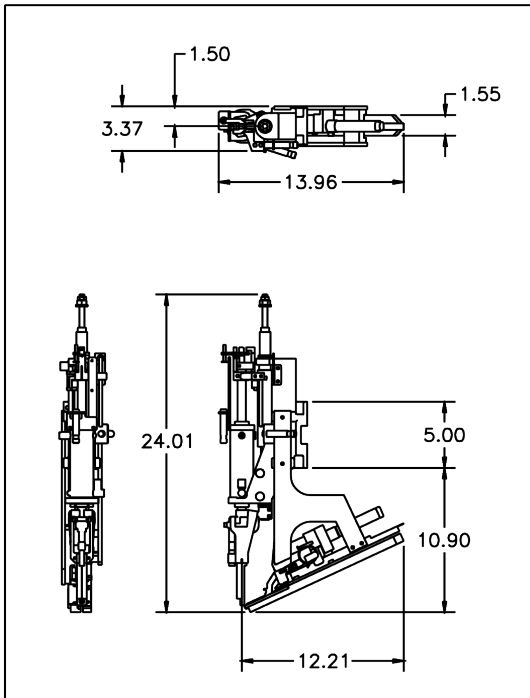


Trav-a-Track

AP-171 Part Placer Head



AP-171 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.)
Force	Standard Max 378N(85 lbs. Force)
Air Supply	3/8 in. (1.5 in.) Cylinder
Proximity Switches	Std: 24 VDC PNP Optional Max 778N (175 lbs. Force) Others Optional
Valves	Four-way pneumatic valve 2.0 in. (2.0 in.) Cylinder
Inline Load Cells Can Be Added	



DIXON AUTOMATIC TOOL, INC.

2300 23rd Avenue,

Rockford, IL

61104

P: 815-226-3000
sales@dixonautomatic.com

www.dixonautomatic.com