

Deane Systems LLC - Escapement Assemblies

MADE IN THE USA

We offer as an alternative or as an add on, our escapement packages for blow feeding parts, robotic pick and place, presenting to an operator or for a operator to hand load fasteners. Our interchangeable components can be switched out to accommodate new or different size fasteners if need be. These escapements have proven themselves to be reliable, durable assemblies in many applications over the years. We have fed screws, bolts, nuts, pins, plastic push pins, rivets, bushings, clips, and washers among many others.

The escapements release and blow parts individually using a built in double action air cylinder. Escapement bodies, covers, bearing blocks and manifold bases are made from 6061 alum and hard coat anodized. The part path is made from steel components which are heat treated and electro-less nickel plated. Tracks are made from hardened steel and are electro-less nickel plated as well.

Escapements can be mounted alone or in packs, and feature quick and easy access for maintenance and replacement.

Adjustable height stands for mounting to other part feeders are offered as well in machined steel or aluminum.

Tracks can be manually (hand loaded) for auto escaping by an operator when the application does not warrant a full feed system.

Track level sensing is achieved using Efector OPU sensors. Our mounting brackets can be placed anywhere along the track or place two on the same track for HI-LO part level sensing

These systems can range from a single escapement to multiple escapement lanes which can also be doubled if one of our diverter assemblies is used. An example of this would be a (3) track escapement with a 3 in-6 out diverter feeding to (6) locations. For further information on our Diverters, see our diverter brochure.

PRICING below includes basic escapement, manifold, track w/cover and Efector track level sensor. Also includes assembly time, ppm testing, run-off and de-bug. (Note these prices are only for the screw, bolt and headed pin escapements.) Contact us for all escapement projects involving longer or different profile types of fasteners or components.

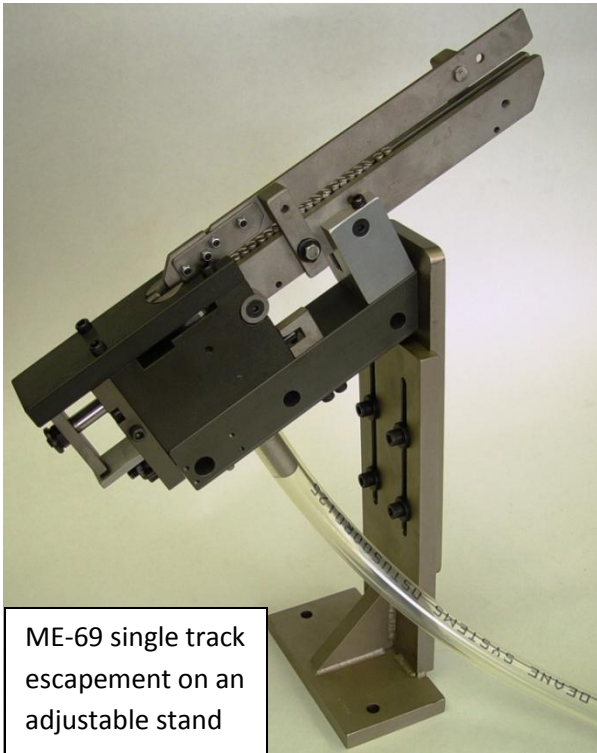
Qty discounts available.

Pricing below includes (1) OPU 203 Efector track level sensor with mounting hardware

MODEL	HEAD DIA CAPACITY	HEAD HEIGHT CAPACITY	BODY DIA CAPACITY	BODY LENGTH CAPACITY	LIST PRICE
ME – 43	.175 - .406	.375 MAX	.075 - .190	1.75 MAX	2100.00
ME – 69	.175 - .625	.400 MAX	.125 - .330	2.00 MAX	2225.00
ME – 125	.456 – 1.12	.400 MAX	.236 - .625	3.25 MAX	3400.00

OPTIONAL COMPONENTS

ITEM #	DESCRIPTION	LIST PRICE
TBD	STAND – FOR 1 TO 2 ESCAPEMENT CONFIGURATION FOR 3 + ESCAPEMENTS CALL FOR PRICING	250.00
TBD	EFECTOR TRACK LEVEL SENSOR OPU203 WITH OUR MOUNTING HARDWARE	225.00
DS-1042-C-46	AIR PILOTED TRACK LEVEL SENSOR – SHORT PROBE	105.00
DS-1042-C-47	AIR PILOTED TRACK LEVEL SENSOR – LONG PROBE	105.00



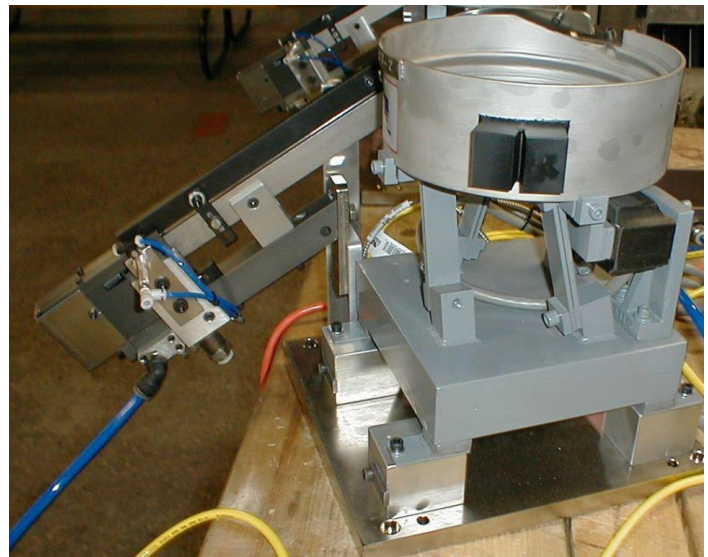
ME-69 single track
escapement on an
adjustable stand



Presenting escapement for detent
pins for shifter assembly



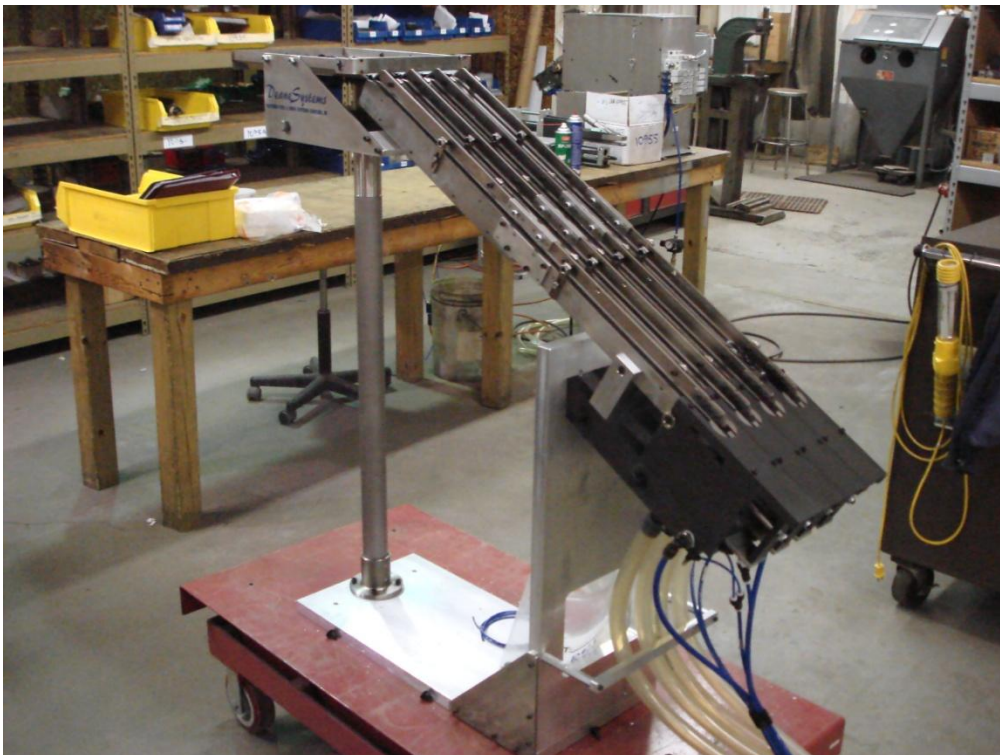
Blow feeding plastic
Nab screws



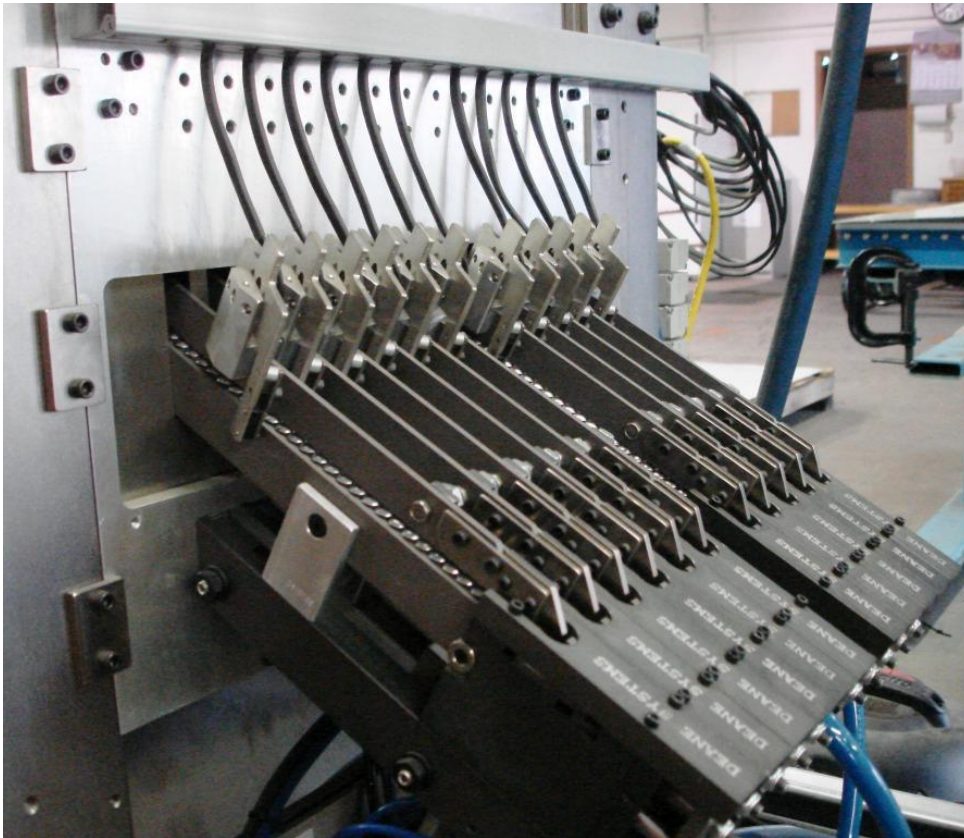
Blow feed escapement
mounted to vibratory bowl.



Manual load tracks and escapements for blow feeding weld studs and robotic retrieval of washers



Manual load escapement and track assembly for blow feeding plastic push pins



(11) ME-43 escapements mounted to one of part feeding systems for blow feeding rivets.

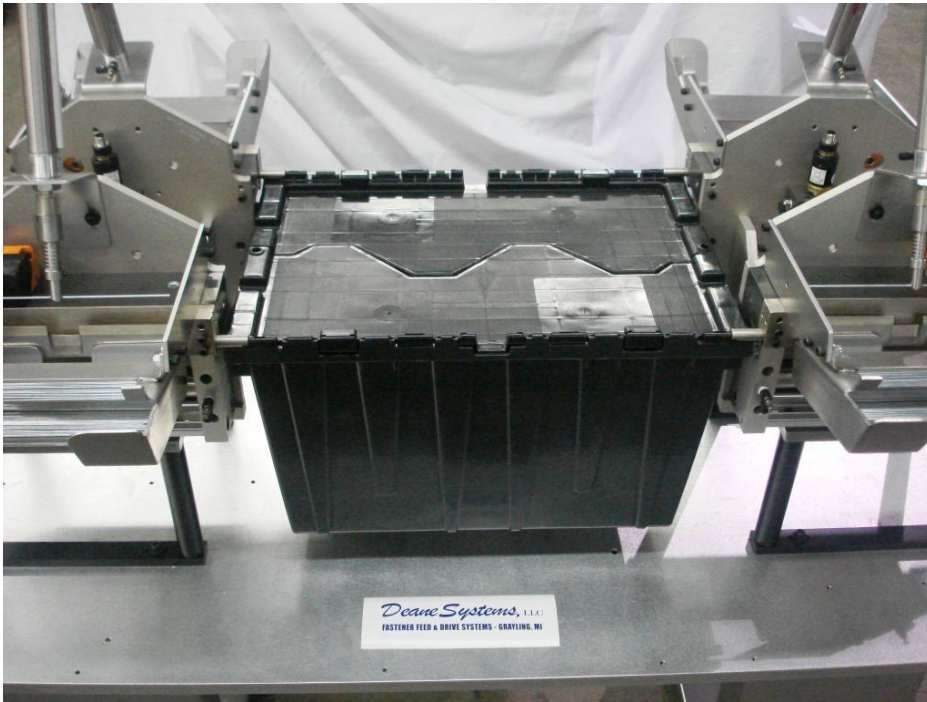


Manual load escapements for presenting detent pins and plates for robotic retrieval.



44" long manual load track systems for feeding steel nuts, washers and below blender blades. Each escapement presents the components for retrieval by a robot.

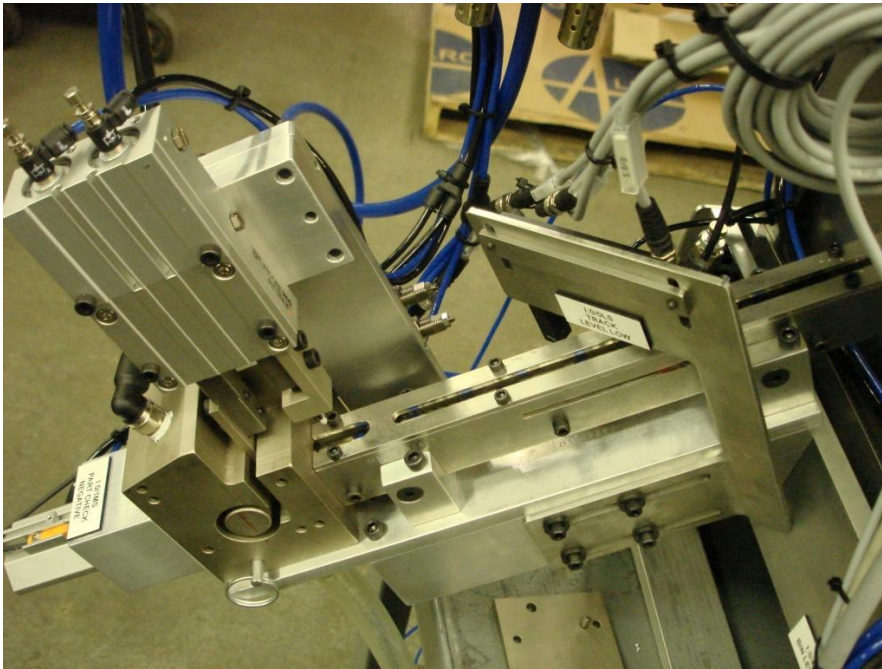




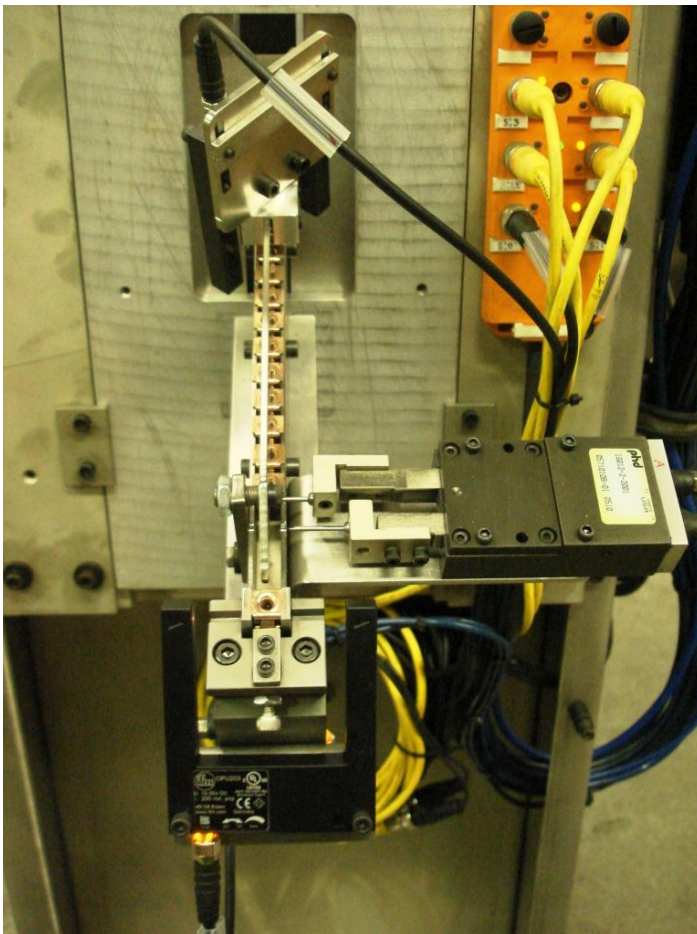
Manual load escapements
for pressing 9" long pins
into returnable dunnage
containers



ME-125 single track escapement
shown for blow feeding bolts.
Note the OPU203 Efeclor sensor
used for track level sensing. Two
Efeclor sensors can be mounted
on our tracks for Hi-Lo sensing of
components



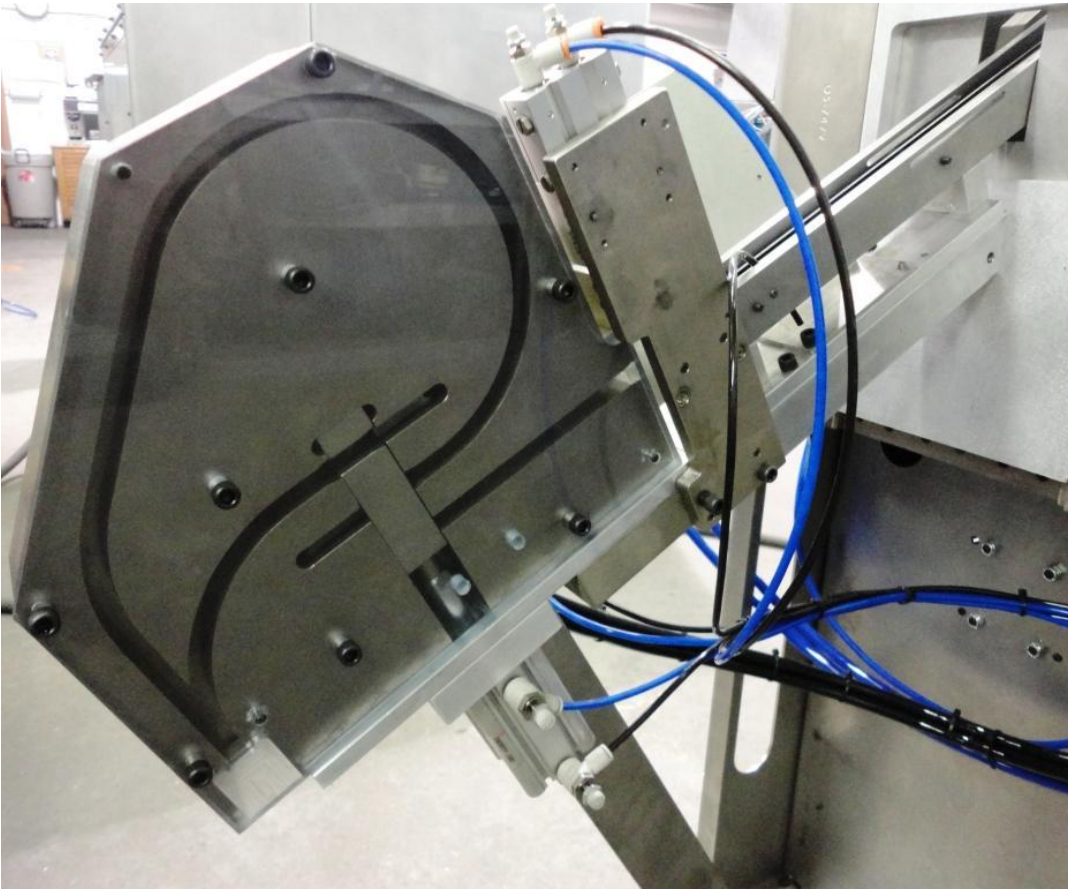
Blow feeding escapement with orienting device for feeding plastic co-axial cable components



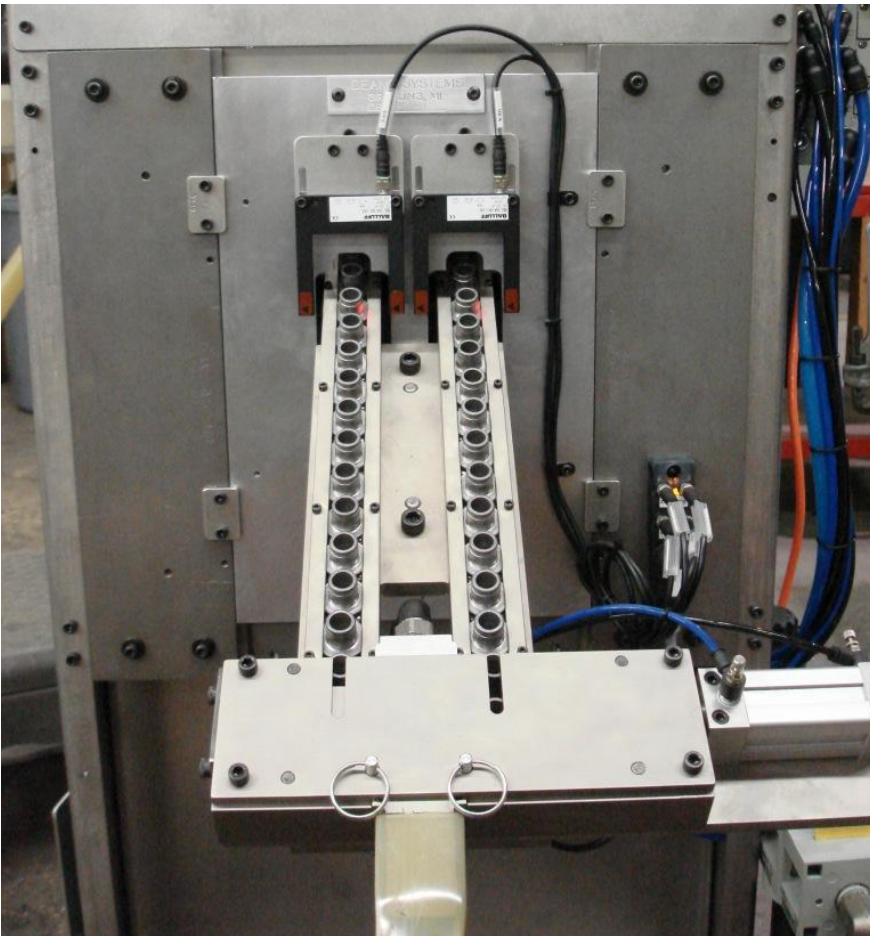
Presenting escapement for M4 Panel or push nuts



Presenting escapement for a headed pin. A robot comes in horizontally removes the pin from the spring loaded gate



Re-direct style escapement for feeding plugs. 100 percent of fasteners leave system in correct orientation. Lexan cover for viewing motions.



Twin track escapement for blow feeding components to a high speed stamping press. To achieve required ppm we stitched one part from each track to a single delivery point. Feed rate is 55-60 ppm