Deane Systems LLC – Feeders

MADE IN THE USA

Our feeders utilize elevator blade material and shape, selected for optimum performance, when conveying parts from the storage bin to orientation, storage tracks and escapements.

- Adjustable leveling feet on floor models
- Stainless steel housing
- Counter weighted elevator operated by small bore air cylinder
- Elevator functions on demand from track level sensors.
- Durable and easy to clean

Model	Standard Feeder Dimensions
DSC-50	14"W X 18"D X 17"T
DSC-101	17"W X 25'D X 24"T
DSC-150	22"W X 48"D X 49"T
DSC-275	28"W X 48"D X 49"T
DSC-300	28"W X 73"D X 50"T
DSC-350	33"W X 73"D X 50"T

DSC-150 feeder with two escapements

Deane Systems LLC – Pre-Feeders

MADE IN THE USA

Our pre-feeder design is based on our standard part feeder platform and is used to move parts to conveyors/tracks, both gravity and vibratory inline. We utilize performance proven elevator blade materials to convey parts from storage bin to discharge point.

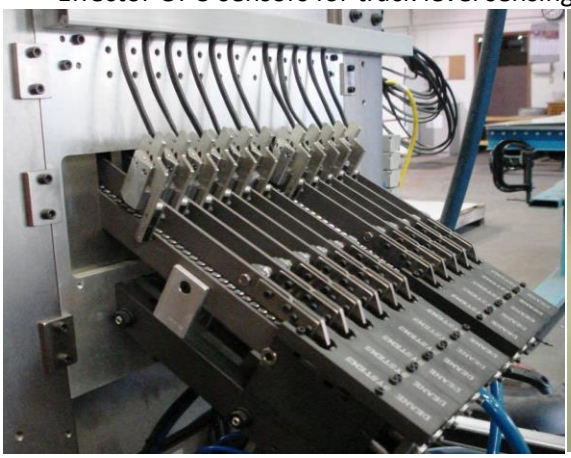
- Adjustable leveling feet
- End to end (random orientation) of cylindrical parts.
- Parts are presented, on demand, to customer supplied conveyor for O.D grinding etc.

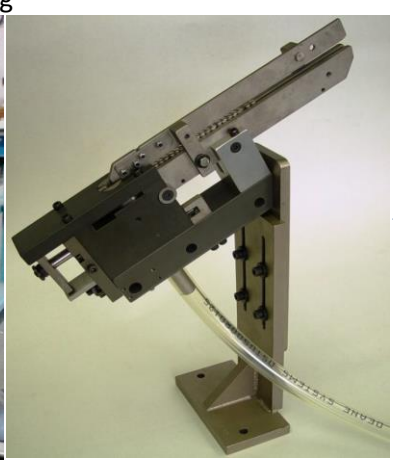
Deane Systems LLC – Escapements

MADE IN THE USA

We offer escapements ranging from our standard stackable manifold mounted ME-Series for headed fasteners, to standard and custom designed units for nuts, cup plugs, pins, and many other difficult to describe items. Our ME-Series escape and blow units feature quick change design for short down time if service is required. Removing one easy to reach nut allows removal of a single escapement from a multi-escapement pack. Replacing that escapement with a spare unit quickly brings the system back online.

- Adjustable height stands are available for mounting to various part feeders or as a standalone system
- Effector OPU sensors for track level sensing





(Left) Standard track escapements mounted to a Deane Systems feeder for blow feeding rivets (Right) Standard track escapement on an adjustable stand for vibratory and other feeder applications

Standard Escapements

MODEL	Head DIA Capacity	Head Height Capacity	Body DIA Capacity	Body Length Capacity
ME – 43	.175 - .406	.375 MAX	.075 - .190	1.75 MAX
ME – 69	.175 - .625	.400 MAX	.125 - .330	2.00 MAX
ME – 125	.456 – 1.12	.400 MAX	.236 - .625	3.25 MAX

Deane Systems LLC – Trailer Floor Equipment

MADE IN THE USA

The Deane Systems trailer floor screw driver is designed to drive the industries flat head/pan head self-tapping screws. The screws are blow fed to the tools nose body from our trailer floor screw feeder either with a manually triggered lever or with our automatic switch. These drivers are powered with an Atlas Copco brand air motor which is extremely durable and delivers the optimal torque required to drive the fasteners. The nose body has hardened steel inserts which are easily changed out during maintenance operations. All steel parts within the nose assembly are also electroless nickel plated for corrosion resistance.

The physical dimensions and storage capacities of our floor screw feeder model is as follows

Feeder Dimensions - 14" L x 14" W x 29" H
Electrical Required - 120 VAC / 60Hz
Air Supply Required - 90 PSI - Clean and Dry
Storage Capacity - 1500 Screws

Driver Specifications
Overall length = 39” inches
Weight – 21 lbs
Motor – 1100 rpm
Torque – 300 in/lbs
35 CFM – Running constant
Max Power – 1.17 Kw / 1.57 HP

Complete trailer floor drive with feeder set up

If you do not wish to buy a feeder, we offer what is called a drop and drive style of driver. All that is required is an airline leading into the throttle handle and screws. The operator drops a screw into the entrance sleeve where it falls thru the urethane tubing into the nose piece assembly. Then all that is left is to trigger the throttle handle and drive the screw into the flooring. This option is primarily used when a company builds only a few trailers per day and doesn't need a feeder.


Operator drops each screw into this sleeve