

# Durant Air Feeds

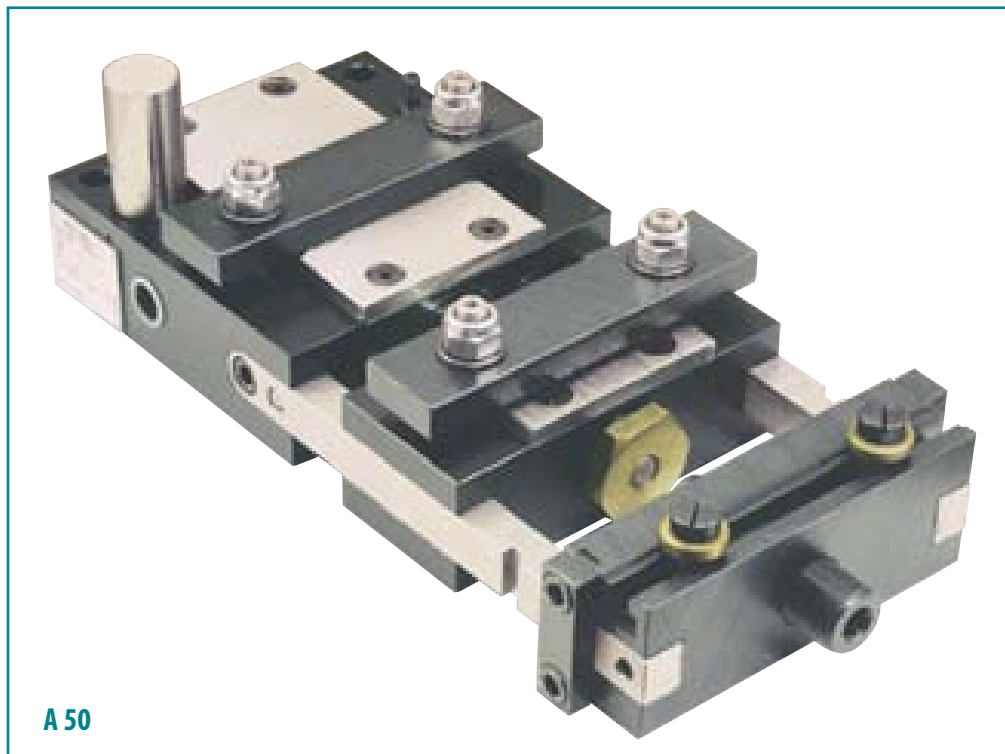
## Productivity Performers . . .

To make sure your production facility can take advantage of the precision control and high speed effectiveness of the Durant Air Feed, we make 75 different models.

If you are making something small in metal, plastic or paper, look to our A-50. This unit offers a 2" maximum width, a 2" maximum stroke, a .079" maximum thickness, and can operate at speeds up to 270 strokes per minute. Of course, that is just where things start out. Where they end up is the Maxi Model TK3 which handles width up to 24", with a maximum stroke of 12", a maximum thickness of .100", and offers delivery capability of up to 40 units a minute. Every production need in between is covered.

When you look at Durant, you will be looking at a number of special features you are not likely to find anywhere else. All units are built with extra thick wear plates, dual air cushions, hardened heavy duty guide rails, and hardened brass cylinder liners.

To make your coil feeding even better, Durant Air Feeds come with a complete line of accessories. Each is designed to do its job perfectly ... each is designed to work perfectly with your Durant unit.



### UNIQUE FEATURES FOUND ON ALL DURANT MODELS

- Dual air cushions for durability, quiet operation, and the elimination of hammering.
- Extra thick stainless wear plates on both main body and feeding body. Provides smoother faster operating rates, extended feed life, and enables the handling of unique wire and material configurations.
- Hardened brass bushings inside the main feed body reduce wear and failure associated with other air feeds.
- Oversized hardened guide rails.
- Oversized air pistons and feed grippers.
- Material support rollers.

### SELECTION

Now you can feed materials from .002" to .200" thick. And widths as wide as 24". With 75 models available, Durant has a model just right for your application.

### VERSATILITY

Durant is built to see you through thick or thin, narrow or wide, flimsy or rigid, in metal, plastic or paper. Cost effective production always starts with Durant...and ends at the bottom line.

### COMPARISON

Put our Durant Air Feed units beside any other comparative unit you have heard about. We won't need to say anything more.

### CONSTRUCTION

Every model in the line from standard to maxi is heavily constructed and totally sealed to insure trouble free operation, even in the most hostile factory environments.

### INSTALLATION

Installation is a snap with Durant. Simply insert two bolts through mounting holes (standard air feed spacing), and bolt it to the press table or bolster plate. Next, fix a striker to the press ram and connect the air supply, (75 to 120 PSI). The second the striker is touched by the actuator on the feed, the feed goes into action. The feed length can be altered at any time by simply adjusting the stop on the air feed.

### ACCURACY

Our sophisticated series of controls enables Durant to achieve accuracy of 0.001" for a couple of reasons. First of all, the feed material is always in the solid grip of either the feed clamp or the holding clamp so it cannot slip or misfeed. Secondly, even if it is maladjusted, the special shock absorbing air cushions at each end of the stroke prevent bounce.

*Are Air Feed Replacement Parts Costing You \$\$\$ And Production Time?*

*Call Durant! We Have The Solution To Your Problems!*



# Durant Air Feeds



## Accessories for Greater Productivity!

### Filter - Regulator - Lubricator:

Regulate, filter, and lubricate the flow of air to the feed. Recommended for all applications.

### Stock Clamp-Pilot Release:

When pilot pins are located in your dies, stock clamp pilot release is required. Both spring actuated and electric actuated available.

### Electric Actuation:

For feed lengths longer than 6", or other applications where conventional actuation is impractical, this unit will take care of your problems. Available in 115 volts or 220 volts.

### Operator Safety Guard:

Steel reinforced protection device - Recommended for all models.

### Thin Material Guiding Device:

Recommended for .002" to .010" thick material that may tend to buckle.

### Multi Stroke Actuation:

For applications that require longer lengths of feed than the model permits with a single stroke.

### REMOTE AIR ACTUATION:

Another alternative actuation technique.

### Stock Straightener Attachment:

Stock Straighteners can be added to all model air feeds providing a modular space-saving combination unit for both straightening and feeding.

### Stock Oiler Attachment:

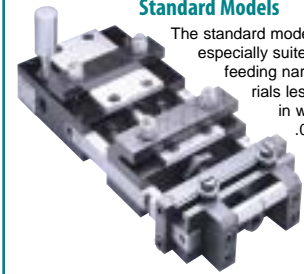
Modular stock oilers can be added to all model air feeds at a small additional cost. "Durant Thin Line" stock oilers add long life to your tooling and dies.

*Note: Durant stock oilers can be fitted to all manufacturers' air feeds or roll feeds.*

Model	Maximum Strip Width (Inches)	Maximum Stroke (Inches)	Maximum Strip Thickness	Strokes Per Minute	Pulling Capacity (Pounds)
<b>STANDARD MODELS</b>					
A 50	2	2	.079	280	53
A 100	2	4	.075	200	53
A 150	2	6	.067	160	53
A 200	2	8	.060	130	53
A 250	2	10	.047	110	53
B 50	3	2	.079	260	53
B 100	3	4	.071	190	53
B 150	3	6	.060	150	53
B 200	3	8	.055	110	53
B 250	3	10	.051	90	53
C 50	4	2	.067	210	53
C 100	4	4	.062	160	53
C 150	4	6	.062	120	53
C 200	4	8	.051	90	53
C 250	4	10	.047	80	53
<b>MIDDLE MODELS</b>					
BX 50	3	2	.110	260	100
BX 100	3	4	.106	180	100
BX 150	3	6	.094	150	100
BX 200	3	8	.079	120	100
BX 250	3	10	.079	90	100
CX 50	4	2	.094	240	100
CX 100	4	4	.083	170	100
CX 150	4	6	.071	140	100
CX 200	4	8	.065	110	100
CX 250	4	10	.065	90	100
DX 50	6	2	.075	220	100
DX 100	6	4	.075	160	100
DX 150	6	6	.075	140	100
DX 200	6	8	.065	110	100
DX 250	6	10	.050	90	100
<b>HEAVY DUTY MODELS</b>					
P 1	6	4	.165	140	238
P 2	6	8	.165	120	238
P 3	6	12	.120	70	238
S 1	8	4	.120	140	238
S 2	8	8	.120	120	238
S 3	8	12	.120	70	238
Z 1	12	4	.120	140	238
Z 2	12	8	.120	120	238
Z 3	12	12	.100	70	238
V 1	18	4	.120	120	475
V 2	18	8	.100	100	475
V 3	18	12	.080	80	475
V 4	18	16	.070	60	475
K 1	24	4	.100	110	475
K 2	24	8	.080	95	475
K 3	24	12	.070	75	475
K 4	24	16	.060	55	475
<b>MAXI MODELS</b>					
TZ 1	12	4	.200	115	710
TZ 2	12	8	.180	80	710
TZ 3	12	12	.160	60	710
TK 1	24	4	.140	80	710
TK 2	24	8	.120	75	710
TK 3	24	12	.100	40	710

### Standard Models

The standard models are especially suited for feeding narrow materials less than 4" in width and .079" thickness.



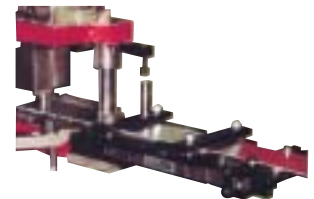
### Heavy Duty Model

The Heavy Duty Series incorporates unique engineering features with pulling capacities of 238 lbs. and 475 lbs. and material widths to 24".

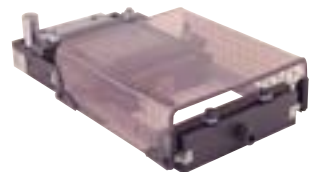


### Typical Application

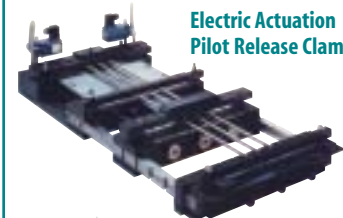
Typical standard model application with plunger type actuation and die mounted feed.



### Operator Safety Guard



### Electric Actuation Pilot Release Clamp



### Stock Oiler

