

Stock Straighteners: Pull Thru

Low Cost Series!



FS-1

Model FS Stock Straighteners

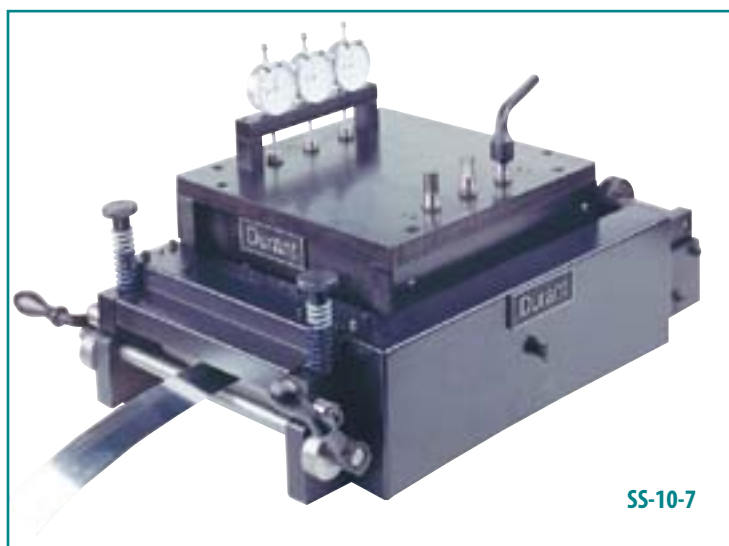
Durant "FS" Stock Straighteners are used for straightening flat wire and flat stock in a very simple, precise manner. These units can be easily mounted to air feeds, roll feeds, electronic servo feeds and other production equipment when the elimination of coil curvature is required. All units consist of "7" individually adjustable straightening rolls and one set of guide rolls.

FS STOCK STRAIGHTENER					
Model	Max. Material Width	Max. Material Thickness	Number of Rolls	Roll Diameter	Weight
FS-1	1/2"	.090"	7	1-3/16"	12 lbs.
FS-3	3"	.062"	7	1-3/16"	16 lbs.
FS-6	6"	.062"	7	1-3/16"	20 lbs.

Stock Straighteners: Unmotorized

Productivity Performers...

Everything you need around your press to make it work better, faster, more efficiently.



SS-10-7

Model SS & MS Unmotorized

The SS and MS series Unmotorized Stock Straighteners are ideal machines for either manually straightening materials with a hand crank or automatic pull through operations. Twenty-eight models are available with capabilities to 36" in width and .210 in thickness. All machines include (5) or (7) straightening rolls and (2) drive rolls.

SS, MS UNMOTORIZED					
Model	Width	No. Drive Rolls	Straightening Rolls	Roll Diameter	Thickness Range
SS-6-5	6"	2	5	2"	.020-.145"
SS-6-7	6"	2	7	2"	.020-.145"
SS-10-5	10"	2	5	2"	.020-.130"
SS-10-7	10"	2	7	2"	.020-.130"
SS-15-5	15"	2	5	2"	.020-.110"
SS-15-7	15"	2	7	2"	.020-.110"
SS-20-5	20"	2	5	2"	.020-.090"
SS-20-7	20"	2	7	2"	.020-.090"
SS-25-5	25"	2	5	2"	.020-.065"
SS-25-7	25"	2	7	2"	.020-.065"
SS-30-5	30"	2	5	2"	.020-.055"
SS-30-7	30"	2	7	2"	.020-.055"
SS-36-5	36"	2	5	2"	.020-.040"
SS-36-7	36"	2	7	2"	.020-.040"
MS-6-5	6"	2	5	2 3/4"	.025-.210"
MS-6-7	6"	2	7	2 3/4"	.025-.210"
MS-10-5	10"	2	5	2 3/4"	.025-.190"
MS-10-7	10"	2	7	2 3/4"	.025-.190"
MS-15-5	15"	2	5	2 3/4"	.025-.180"
MS-15-7	15"	2	7	2 3/4"	.025-.180"
MS-20-5	20"	2	5	2 3/4"	.025-.160"
MS-20-7	20"	2	7	2 3/4"	.025-.160"
MS-25-5	25"	2	5	2 3/4"	.025-.130"
MS-25-7	25"	2	7	2 3/4"	.025-.130"
MS-30-5	30"	2	5	2 3/4"	.025-.100"
MS-30-7	30"	2	7	2 3/4"	.025-.100"
MS-36-5	36"	2	5	2 3/4"	.025-.080"
MS-36-7	36"	2	7	2 3/4"	.025-.080"



SC-107

Model SC Unmotorized

Use these dependable Durant Stock Straighteners manually or as independent machines with automatic feeding equipment. With the variety of standard sizes now available, Durant has you covered for just about any standard application. And to make sure you get extended service, all rolls are hardened and ground. Anti-friction bearings are used throughout.

Special Feature: Open top for ease of cleaning rolls and threading material.



SC-107

SC UNMOTORIZED					
Model	Width	No. Drive Rolls	Straightening Rolls	Roll Diameter	Thickness Range
SC-10	3 1/8"	2	5	1"	.008-.100
SC-107	3 1/8"	2	7	1"	.008-.100
SC-109	3 1/8"	2	9	1"	.008-.100
SC-2	6"	2	5	1"	.008-.100
SC-27	6"	2	7	1"	.008-.100
SC-29	6"	2	9	1"	.008-.100
SC-57	12"	2	7	1 1/4"	.010-.065



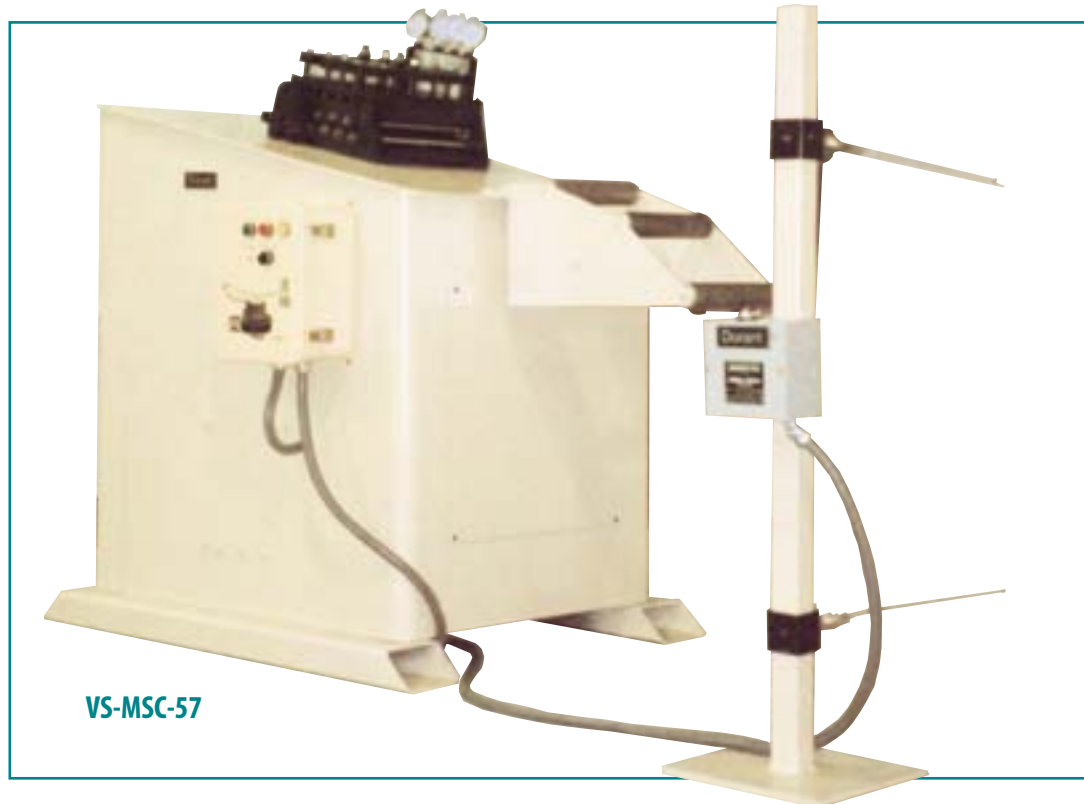
Stock Straighteners: Motorized

Model VS-MSC Vari Speed - Open Top

If your application calls for straightening materials up to 12" in width, and from .008" to .100" in thickness, the Durant VS-MSC Series sets the standard for the metal stamping industry. All models include entrance drive rolls, straightening rolls, and variable speed DC drive. These individually adjustable rolls are precision ground and heat treated for long term service. Entrance and exit adjustable guide roller assembly is standard equipment.

VS-MSC VARI SPEED MOTORIZED						
Model	Width	No. Drive Rolls	No. Straight. Rolls	Roll Diameter	Motor	Thickness Range
VS-MSC-10	3 1/8"	2	5	1"	3/4 HP	.008-.100
VS-MSC-107	3 1/8"	2	7	1"	3/4 HP	.008-.100
VS-MSC-109	3 1/8"	2	9	1"	3/4 HP	.008-.100
VS-MSC-2	6"	2	5	1"	3/4 HP	.008-.100
VS-MSC-27	6"	2	7	1"	3/4 HP	.008-.100
VS-MSC-29	6"	2	9	1"	3/4 HP	.008-.100
VS-MSC-57	12"	2	7	1 1/4"	1 HP	.008-.065

Special Features:
Open top for ease of cleaning rolls and threading materials.



Stock Straighteners: Motorized

Combination Reel / Straighteners DSC/ MSC

When saving floor space is a necessity. The Durant model DSC / MSC is your choice. Three models are available with weight capacities to 1200 lbs. and material widths to 12".

All models have (7) straightening rolls and (2) drive rolls to precisely straighten your material. A quick response variable speed DC Drive and proportional loop control allows for speeds from 0 - 90 FPM.

Durant's unique electronic drives give the user a smooth, accurate, loop of material which prevents coil marking.



COMBINATION REEL / STRAIGHTENER DSC / MSC									
Model	Max. Width	Max. Coil O.D.	Max. Coil Weight	Straightening Capacity	No. Drive Rolls	No. Straight. Rolls	Roll Diameter	Motor	Stn. Speed
DSC-1/MSC27	6"	36"	600 lbs.	.008-.100"	2	7	1"	3/4 H.P. 90 vdc	0-90 FPM
DSC-2/MSC27	6"	48"	1200 lbs.	.008-.100"	2	7	1"	3/4 H.P. 90 vdc	0-90 FPM
DSC-2/MSC57	12"	48"	1200 lbs.	.008-.065"	2	7	1 1/4"	1 H.P. 90 vdc	0-90 FPM

OPTIONS:

- Antenna Loop Control
- No Touch Loop Control



Combination Double Reel/Straighteners

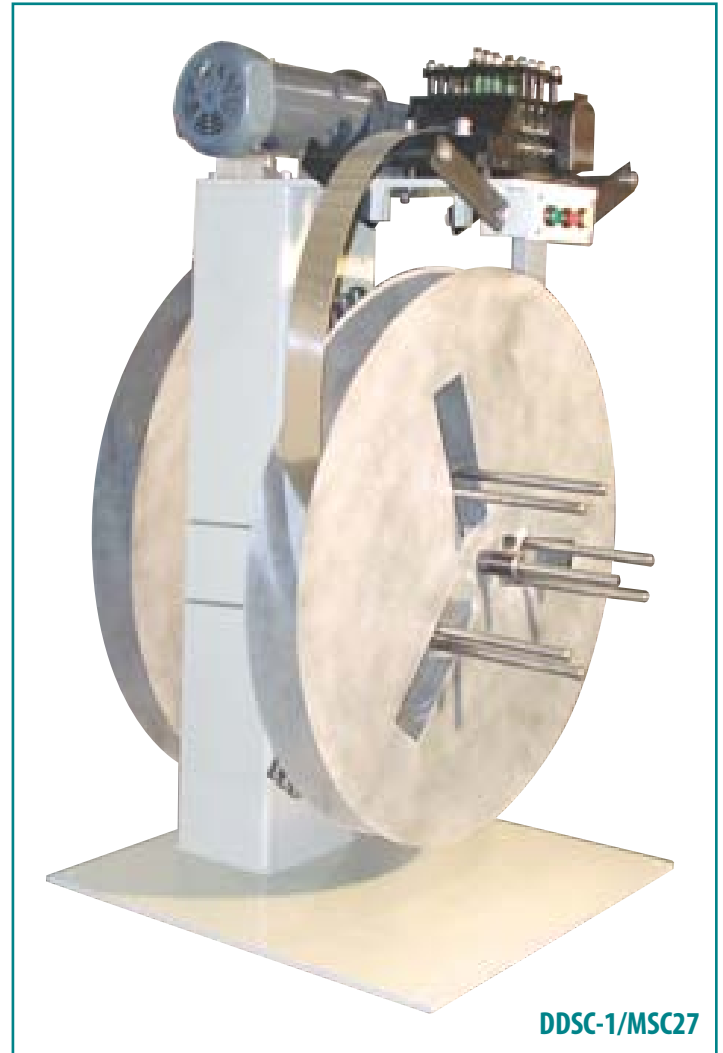
"The Compact Productivity Producer"

Combination Double Reel/Straighteners

Durant's very popular, spacesaving DSC/MSC reel-straighteners are now available with the double reel feature. We have designed our machine for manufacturers that require a space saving, high productivity double spindle uncoiler. When one side is operating, the other side can be loaded, eliminating down time associated with other reel/straightening methods.

Twelve standard models are available to handle coils in weight capacities up to 2000 lbs and 15" wide. If you have other requirements, call Durant! We can modify our machines to meet your special needs. All straighteners have (7) straightening rolls and a quick response variable speed DC Drive and Proportional Loop Control for speeds 0-100 fpm.

Durant's unique electronic drives give the user a smooth, accurate, loop of material which prevents marking.



DDSC-1/MSC27

DOUBLE COMBINATION REEL/STRAIGHTENERS							
Model	Weight Capacity Each Side	Max. Material Width	Straightening Capacity	No. Drive Rolls	No. Straight. Rolls	Roll Diameter	Motor
DD250/MSC27	250 lbs.	6"	.008-.100"	2	7	1"	3/4 H.P. 90 VDC
DDSC-0/MSC27	400 lbs.	6"	.008-.100"	2	7	1"	3/4 H.P. 90 VDC
DDSC-1/MSC27	600 lbs.	6"	.008-.100"	2	7	1"	3/4 H.P. 90 VDC
DDSC-2/MSC27	1200 lbs.	6"	.008-.100"	2	7	1"	3/4 H.P. 90 VDC
DDSC-2/MSC57	1200 lbs.	12"	.008-.065"	2	7	1-1/4"	1 H.P. 90 VDC
DDSC-1/MD6	600 lbs.	6"	.020-.145"	4	7	2"	2 H.P. 180 VDC
DDSC-1/MD10	600 lbs.	10"	.020-.130"	4	7	2"	2 H.P. 180 VDC
DDSC-2/MD6	1200 lbs.	6"	.020-.145"	4	7	2"	2 H.P. 180 VDC
DDSC-2/MD10	1200 lbs.	10"	.020-.130"	4	7	2"	2 H.P. 180 VDC
DDSC-2/MD12	1200 lbs.	12"	.020-.125"	4	7	2"	2 H.P. 180 VDC
MDD2010/MD10	2000 lbs.	10"	.020-.130"	4	7	2"	2 H.P. 180 VDC
MDD2015/MD15	2000 lbs.	15"	.020-.110"	4	7	2"	2 H.P. 180 VDC

Heavy Duty Straightening Machines

Stock Straighteners: Motorized

Model MD-HD Motorized - AC Motorized

Durant's motorized medium and heavy duty stock straighteners have one set of entrance drive rolls, one set of exit drive rolls, and seven straightening rolls for a total of eleven rolls. All entrance, exit, and lower straightening rolls are power driven. Standard equipment on all models are 220/440-60 cycle, 3 phase motorization, adjustable vari drive of 22 to 60 FPM (other speeds can be supplied), loop controller, dial indicators, inclined head, cascade rolls, black oxide finish, and time delay, which allows for machine to run for a predetermined time after the loop control has signaled stop. Solidly welded contemporary cabinets, with one easily removable access panel, allows for your maintenance department to inspect and adjust drive components and chains as necessary.

Model VS MD-DC / VS HD-DC Motorized

Durant's variable speed D.C. powered straighteners provide all the same straightening specifications as the standard models. The variable speed D.C. powered straighteners are the only solution to keep up with today's high speed press feeders yet assuring a smooth running machine to eliminate marking of the material due to frequent starts and stops.

VS-DC Drive Features and Benefits:

- Antenna-Tracker™ loop controller. This self adjusting state of the art control system allows a loop of material to move up and down between the two control antennas providing a smooth and stable running machine. Increasing and decreasing line speeds will automatically increase or decrease the straighteners speed by the simple touch of an antenna!
- State of the Art Regenerative D.C. drive controller to insure fast acceleration and immediate stopping capability upon demand. Standard speed range is 0-100 F.P.M.
- Operator friendly controls with Power Start, Stop, Auto/Manual, Forward/ Reverse & Jog push buttons to allow the press operator to easily thread and run the line while insuring optimum safety.

MD VARI SPEED AC DRIVE						
Model	Max. Width	Max. Thickness	Min. Thickness	Roll Diameter	Roll Spacing	Motor
MD-6	6"	.145"	.020"	2"	2 1/4"	1 1/2 HP
MD-10	10"	.130"	.020"	2"	2 1/4"	1 1/2 HP
MD-15	15"	.110"	.020"	2"	2 1/4"	1 1/2 HP
MD-20	20"	.090"	.020"	2"	2 1/4"	1 1/2 HP
MD-25	25"	.065"	.020"	2"	2 1/4"	1 1/2 HP
MD-30	30"	.055"	.020"	2"	2 1/4"	1 1/2 HP
MD-36	36"	.040"	.020"	2"	2 1/4"	1 1/2 HP
HD VARI SPEED AC DRIVE						
Model	Max. Width	Max. Thickness	Min. Thickness	Roll Diameter	Roll Spacing	Motor
HD-6	6"	.210"	.025"	2 3/4"	3 1/4"	2 HP
HD-10	10"	.190"	.025"	2 3/4"	3 1/4"	2 HP
HD-15	15"	.180"	.025"	2 3/4"	3 1/4"	2 HP
HD-20	20"	.160"	.025"	2 3/4"	3 1/4"	2 HP
HD-25	25"	.130"	.025"	2 3/4"	3 1/4"	2 HP
HD-30	30"	.100"	.025"	2 3/4"	3 1/4"	2 HP
HD-36	36"	.080"	.025"	2 3/4"	3 1/4"	2 HP
HD-42	42"	.060"	.025"	2 3/4"	3 1/4"	2 HP
HD-48	48"	.040"	.025"	2 3/4"	3 1/4"	2 HP

OPTIONS: • DC Drive 0-100 FPM • Clutch and Brake • Automatic Lubrication System

MD VARI SPEED DC DRIVE						
Model	Max. Width	Max. Thickness	Min. Thickness	Roll Diameter	Roll Spacing	Motor
VS-MD-6 DC	6"	.145"	.020"	2"	2 1/4"	2 HP
VS-MD-10 DC	10"	.130"	.020"	2"	2 1/4"	2 HP
VS-MD-15 DC	15"	.110"	.020"	2"	2 1/4"	2 HP
VS-MD-20 DC	20"	.090"	.020"	2"	2 1/4"	2 HP
VS-MD-25 DC	25"	.065"	.020"	2"	2 1/4"	2 HP
VS-MD-30 DC	30"	.055"	.020"	2"	2 1/4"	2 HP
VS-MD-36 DC	36"	.040"	.020"	2"	2 1/4"	2 HP
HD VARI SPEED DC DRIVE						
Model	Max. Width	Max. Thickness	Min. Thickness	Roll Diameter	Roll Spacing	Motor
VS-HD-6 DC	6"	.210"	.025"	2 3/4"	3 1/4"	3 HP
VS-HD-10 DC	10"	.190"	.025"	2 3/4"	3 1/4"	3 HP
VS-HD-15 DC	15"	.180"	.025"	2 3/4"	3 1/4"	3 HP
VS-HD-20 DC	20"	.160"	.025"	2 3/4"	3 1/4"	3 HP
VS-HD-25 DC	25"	.130"	.025"	2 3/4"	3 1/4"	3 HP
VS-HD-30 DC	30"	.100"	.025"	2 3/4"	3 1/4"	3 HP
VS-HD-36 DC	36"	.080"	.025"	2 3/4"	3 1/4"	3 HP
VS-HD-42 DC	42"	.060"	.025"	2 3/4"	3 1/4"	3 HP
VS-HD-48 DC	48"	.040"	.025"	2 3/4"	3 1/4"	3 HP

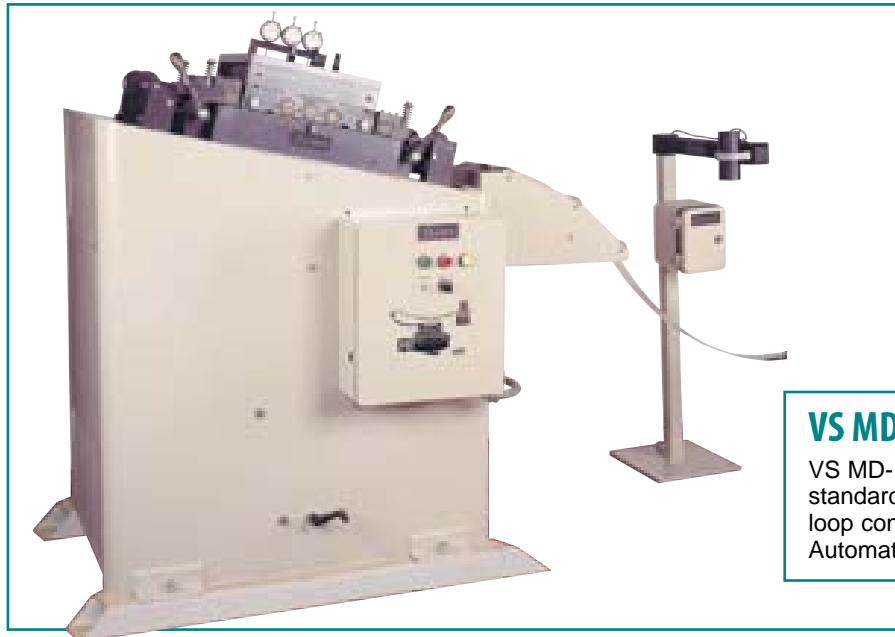
STANDARD SPEED: 0-100 FPM

OPTIONS: • Heavy Duty Portable Feature • Antenna Loop Control • No Touch Loop Control • Automatic Lubrication System



Heavy Duty Straightening Machines

Virtually Every Type of Metal Stamping Accessory to Help your Production Run Better!

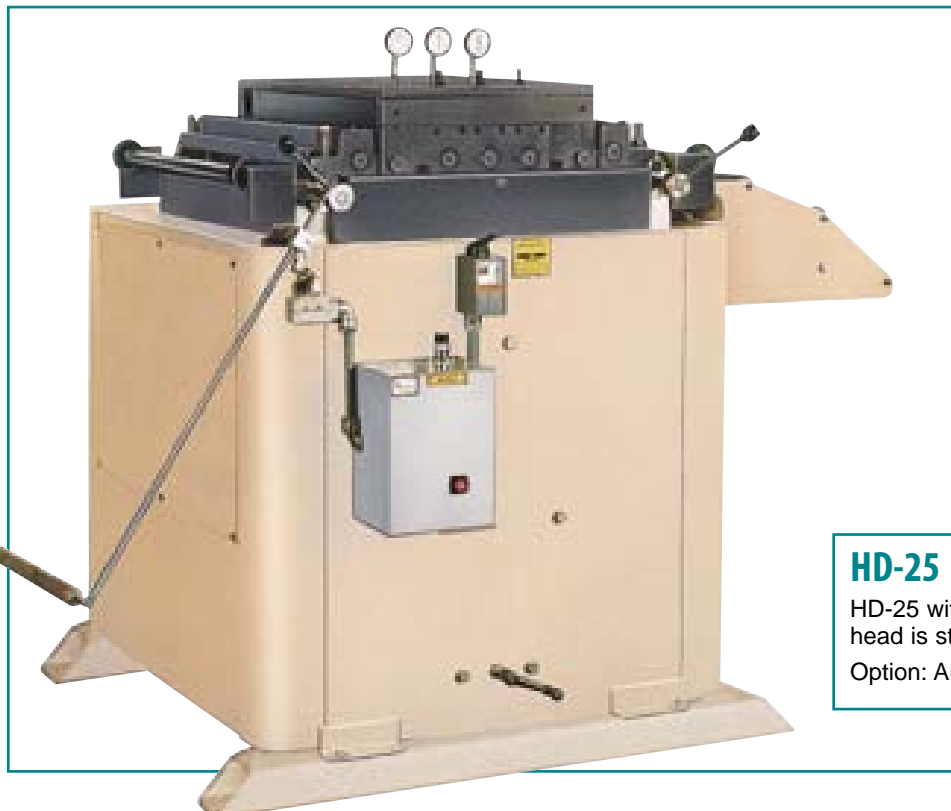


Standard Features:

- Inclined Head
- Antenna Control (VS-Series)
- Dial Indicators
- Black Oxide Finish
- Cascade Rolls
- Extra Heavy Duty Cabinet

VS MD-10 DC

VS MD-10 DC with antenna control
standard Option: Sonic no touch
loop control as shown above.
Automatic lubrication system.



HD-25

HD-25 without inclined head. Inclined
head is standard equipment.
Option: Automatic lubrication system.

See Page 54-55 for Heavy Duty Models rated to .250" thick material and 60" wide.

Heavy Duty Straightening Machines

SD Model

Durant's "SD" Series heavy duty stock straighteners are available in both AC motorized and AC variable speed motorized models. All machines have one set of entrance drive rolls, one set of exit drive rolls and seven straightening rolls for a total of eleven rolls.

Standard equipment on all models are 220/440-60 cycle, 3 phase motorization, adjustable vari drive of 30-90 FPM (other speeds can be supplied), loop controller, dial indicators, inclined head, cascade rolls, black oxide finish, and time delay which allows for machine to run for a predetermined time after the loop control has signaled stop. Solidly welded contemporary cabinets, with one easily removable access panel, allows for your maintenance department to inspect and adjust drive components and chains as necessary.

Durant's AC variable speed powered straighteners provide all the same straightening specifications as the standard models.

The variable speed AC powered straighteners are the only solution to keep up with today's high speed press feeders, assuring a smooth running machine to eliminate marking of the material due to frequent starts and stops.

Standard Features:

- Inclined Head
- Antenna Control (VS-Series)
- Dial Indicators
- Black Oxide Finish
- Cascade Rolls
- Extra Heavy Duty Cabinet



**Optional
Sonic Loop Control**

Heavy Duty Stock Straighteners

Up to 60" Wide Material!



SD-48

SD AC VARI DRIVE					
Model	Maximum Width	Maximum Thickness	Minimum Thickness	Roll Diameter	Motor HP
SD 12	12"	.250"	.040"	4"	5 HP
SD 18	18"	.210"	.040"	4"	5 HP
SD 24	24"	.180"	.040"	4"	5 HP
SD 30	30"	.160"	.040"	4"	7 1/2 HP
SD 36	36"	.150"	.040"	4"	7 1/2 HP
SD 48	48"	.130"	.040"	4"	7 1/2 HP
SD 60	60"	.115"	.040"	4"	10 HP
VS-SD VARIABLE SPEED					
VS-SD 12	12"	.250"	.040"	4"	5 HP
VS-SD 18	18"	.210"	.040"	4"	5 HP
VS-SD 24	24"	.180"	.040"	4"	5 HP
VS-SD 30	30"	.160"	.040"	4"	7 1/2 HP
VS-SD 36	36"	.150"	.040"	4"	7 1/2 HP
VS-SD 48	48"	.130"	.040"	4"	7 1/2 HP
VS-SD 60	60"	.115"	.040"	4"	10 HP

VS Antenna Loop Control Standard

OPTION:

- Air Operated Pinch Rolls
- Automatic Lubrication System (Highly Recommended)