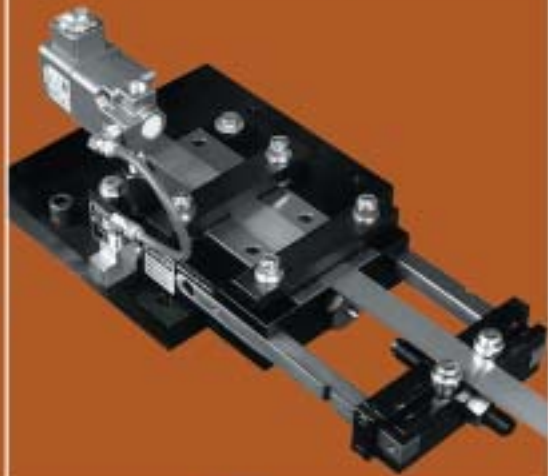




FEEDING & COIL HANDLING EQUIPMENT



Air feeds... Rapid-Air gives you more choices.

A comprehensive range of standard models to feed flat stock up to 16" (406mm) wide, .150" (3.81mm) thick, and in lengths up to 20" (508mm). Pulling capacities of up to 250 pounds (114kg) are available on heavy duty models. Our smallest feed is capable of 260 cycles per minute at a 2" (50.8mm) progression and can cycle much faster at shorter progressions. Special models are available to meet unusual feeding requirements.

RAPID-AIR FEED MODEL SELECTION					
Model	Max Material Width	Stroke Range*1	Stock Thickness*2	Speed Cycles/Min. (recom.) *3	Pulling Capacity*4
A2	1-1/2" (38.1mm)	0-2" (0-50mm)	.002" - .040" (.051-1.02mm)	260	20 lbs (9.1kg)
A4	1-1/2" (38.1mm)	0-4" (0-101mm)	.002" - .040" (.051-1.02mm)	200	20 lbs (9.1kg)
A6	1-1/2" (38.1mm)	0-6" (0-152mm)	.002" - .040" (.051-1.02mm)	160	20 lbs (9.1kg)
A8	1-1/2" (38.1mm)	0-8" (0-203mm)	.002" - .035" (.051-0.89mm)	130	20 lbs (9.1kg)
B2	2-1/2" (63.5mm)	0-2" (0-50mm)	.002" - .040" (.051-1.02mm)	230	20 lbs (9.1kg)
B4	2-1/2" (63.5mm)	0-4" (0-101mm)	.002" - .035" (.051-0.89mm)	175	20 lbs (9.1kg)
C3	3" (76.2mm)	0-3" (0-76mm)	.003" - .075" (.076-1.91mm)	195	45 lbs (20.5kg)
C6	3" (76.2mm)	0-6" (0-152mm)	.003" - .062" (.076-1.57mm)	140	45 lbs (20.5kg)
C12	3" (76.2mm)	0-12" (0-305mm)	.003" - .062" (.076-1.57mm)	85	45 lbs (20.5kg)
D3	101.6mm (4")	0-3" (0-76mm)	.003" - .075" (.076-1.91mm)	175	45 lbs (20.5kg)
D6	101.6mm (4")	0-6" (0-152mm)	.003" - .062" (.076-1.57mm)	135	45 lbs (20.5kg)
D12	101.6mm (4")	0-12" (0-305mm)	.003" - .062" (.076-1.57mm)	85	45 lbs (20.5kg)
W6	2" (50.8mm)	0-6" (0-152mm)	.003" - .090" (.076-2.29mm)	140	100 lbs (45.5kg)
W12	2" (50.8mm)	0-12" (0-305mm)	.003" - .062" (.076-1.57mm)	85	100 lbs (45.5kg)
W20	2" (50.8mm)	0-20" (0-508mm)	.003" - .050" (.076-1.27mm)	50	100 lbs (45.5kg)
F4	6" (152mm)	0-4" (0-101mm)	.004" - .075" (.1-1.91mm)	160	100 lbs (45.5kg)
F6	6" (152mm)	0-6" (0-152mm)	.004" - .075" (.1-1.91mm)	130	100 lbs (45.5kg)
F8	6" (152mm)	0-8" (0-203mm)	.004" - .062" (.1-1.57mm)	105	100 lbs (45.5kg)
F12	6" (152mm)	0-12" (0-305mm)	.004" - .050" (.1-1.27mm)	70	100 lbs (45.5kg)
F20	6" (152mm)	0-20" (0-508mm)	.004" - .035" (.1-0.89mm)	35	100 lbs (45.5kg)
H4	8" (203mm)	0-4" (0-101mm)	.004" - .075" (.1-1.91mm)	160	100 lbs (45.5kg)
H8	8" (203mm)	0-8" (0-203mm)	.004" - .062" (.1-1.57mm)	105	100 lbs (45.5kg)
H12	8" (203mm)	0-12" (0-305mm)	.004" - .050" (.1-1.27mm)	70	100 lbs (45.5kg)
J4	10" (254mm)	0-4" (0-101mm)	.004" - .075" (.1-1.91mm)	135	100 lbs (45.5kg)
J12	10" (254mm)	0-12" (0-305mm)	.004" - .045" (.1-1.14mm)	60	100 lbs (45.5kg)
FX6	6" (152mm)	0-6" (0-152mm)	.005" - .150" (.13-3.81mm)	105	145 lbs (66kg)
FX12	6" (152mm)	0-12" (0-305mm)	.005" - .150" (.13-3.81mm)	60	145 lbs (66kg)
L6	12" (305mm)	0-6" (0-152mm)	.005" - .090" (.13-2.29mm)	105	145 lbs (66kg)
L12	12" (305mm)	0-12" (0-305mm)	.005" - .090" (.13-2.29mm)	60	145 lbs (66kg)
L16	12" (305mm)	0-16" (0-406mm)	.005" - .075" (.13-1.91mm)	40	145 lbs (66kg)
P12	16" (406mm)	0-12" (0-305mm)	.005" - .062" (.13-1.57mm)	60	145 lbs (66kg)
LX12	12" (305mm)	0-12" (0-305mm)	.005" - .125" (.13-3.18mm)	50	250 lbs (114kg)

*1 Electric Actuating Valve is recommended for feeds that have stroke length over 8" (203mm). Add "E" to model number.

*2 Thinner materials and/or long strokes with thin materials possible by using anti-buckling guides. Maximum thickness capacity increases by same percentage as stock width decreases (up to max. of 150%).

*3 Approximate at maximum stroke length. Heavy stock requires slower speeds.

*4 At 100 psi (6.9 bar). (Includes allowance for normal friction of moving parts).

The new Rapid-Air Model TC3 & TW6 Transporter

- Conveys scrap or parts quickly and economically.
- Crisp, sharp tray action shuffles parts off faster.
- Eliminates costly conveyors and belt replacement.
- Compact low profile for better under-die clearance.
- Easily mounted where you need it. Perfect for tight areas.
- Low cost, long life wear parts. Minimal maintenance.
- Precision designed and built with the same rugged reliability as our Rapid-Air feeds.
- Air pressure operating range 20 to 80 psi (1.4 to 5.5 bar). Easy access speed adjustment screw for fine tuning.
- Easily moves 10 lbs. (4.5kg) at 40 psi (2.8 bar) air pressure.
- Able to accept higher pressures for heavier loads.
- Special shuttle trays, tray surfaces, and support accessories available.
- Unlike most belt conveyors, able to convey high temperature parts.
- Rapid-Air's time-proven air feed technology, famous workmanship, and no-compromise materials.
- Backed by the same full Rapid-Air factory warranty you've always relied on.

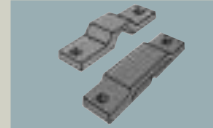
Air feeds... accessories/options.

Many accessories and options tailor Rapid-Air feeds to a variety of applications - to feed metals, wire, plastic, fabric, you name it; and in most any shape - flat, round, extrusions, etc.



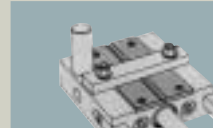
Electric actuating valve.

An alternate to the standard actuating valve provided with each feed. Electric valve 2-way, normally open, 115 vac/60Hz one size for series A & B feeds, one for Series C, D, F, H, J & W feeds, and another with quick exhaust for Series L, P, FX & LX.



Custom stock & feed clamps.

To accommodate special material configurations, such as extrusions, delicate surfaces or soft, pliable materials. Rubber, leather, nylon and vinyl are among the clamp insert materials available.



Special wear plates.

Replaceable wear plates can be grooved to accommodate special shapes and sizes.



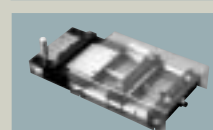
Anti-buckling guides.

Specialty designed guides to prevent buckling of very thin flat or wire stock feeding at high speeds and/or long progressions.



Belt feed.

Enables feeds to accurately feed very limp delicate stock, including metals, teflon and other tapes, foil strips, fabrics, paper, photographic film and gasket materials. Material (even skeleton) is sandwiched between two endless belts to move it into or out of a press or other machines.



Safety guards.

See-through high-strength plastic safety guard shields the moving mechanism. For applications where safety requirements include machine guarding.



Multi-stroke control.

Provides longer stroke progressions between press strokes by cycling feed several times prior to a press stroke. Equipped with electric valve and fittings. Standard control variable up to 9 feed cycles - other control models available. All feed series can be used with the multi-stroke control.



Pilot release stock clamp.

The spring-loaded stock clamp, optional with all Rapid-Air feeds, is recommended for most applications. For unusual requirements, the pilot release stock clamp is available. An electric signal actuates the pilot release clamp so that it lifts completely to allow for free movement of stock to position material when pilots are used.



TRANSPORTER				
Model	Load Capacity	Recom. Speed SPM (adj)	Feed Rate (per min)	Air Pressure Range
TC3	10 lbs (4.5kg)	175	300" (7.6m)	20-80 psi (1.4 - 5.5 bar)
TW6	20 lbs (9.0kg)	175	350" (8.9m)	20-80 psi (1.4 - 5.5 bar)

Servo feeds for hard driving production.

RAPID-AIR SERVO FEED MODEL SELECTION

Model	Max Material Width	Max Thickness Capacity at Full Width	Max Feed Roll Opening	Standard Roll Type	AC Input Power	
MiniServo MS2 MS4 MS8	2" (51 mm) 4" (102 mm) 8" (203 mm)	.040" (1.02 mm) .040" (1.02 mm) .031" (.79 mm)	.060" (1.52 mm) .060" (1.52 mm) .060" (1.52 mm)	Hardened & Ground Standard	115V, 1ph, 60hz	
100D Series 106D 112D 118D	6" (152 mm) 12" (305 mm) 18" (457 mm)	.085" (2.15 mm) .060" (1.52 mm) .045" (1.14 mm)	.150" (3.81 mm) .150" (3.81 mm) .150" (3.81 mm)			
Standard 100T Series 106T 112T 118T	6" (152 mm) 12" (305 mm) 18" (457 mm)	.105" (2.66 mm) .080" (2.03 mm) .065" (1.65 mm)	.150" (3.81 mm) .150" (3.81 mm) .150" (3.81 mm)			
Heavy Duty 100TX Series 106TX 112TX 118TX	6" (152 mm) 12" (305 mm) 18" (457 mm)	.140" (3.55 mm) .125" (3.18 mm) .115" (2.92 mm)	.150" (3.81 mm) .150" (3.81 mm) .150" (3.81 mm)			
Standard 200T Series 208T 212T 218T 224T	8" (203 mm) 12" (305 mm) 18" (457 mm) 24" (610 mm)	.105" (2.66 mm) .095" (2.41 mm) .085" (2.15 mm) .075" (1.91 mm)	.180" (4.57 mm) .180" (4.57 mm) .180" (4.57 mm) .180" (4.57 mm)			230V, 3ph, 60hz
Heavy Duty 200T Series 208TX 212TX 218TX 224TX	8" (203 mm) 12" (305 mm) 18" (457 mm) 24" (610 mm)	.125" (3.18 mm) .125" (3.18 mm) .100" (2.54 mm) .100" (2.54 mm)	.180" (4.57 mm) .180" (4.57 mm) .180" (4.57 mm) .180" (4.57 mm)			
Wide 300T Series 336T 348T	36" (914 mm) 48" (1219 mm)	.080" (2.03 mm) .060" (1.52 mm)	.200" (5.0 mm) .200" (5.0 mm)			



Model MS2



Model 106



Model 112



Model 212

Consider these production benefits:

- Fast job changeover.
- No maintenance downtime.
- Fewer, more heavy-duty parts.
- Compact, economical, simple to install.
- MiniServos are economical enough to mount and leave on die, saves set-up time, assures repeat accuracy.
- High production rates.
- User-friendly data entry keyboard.
- 4-line display with diagnostics.
- Forward and reverse jog.
- Rigid body structure for long-term alignment.
- Mechanical or air-operated pilot release.
- Brushless AC servo motor.
- Application assistance.
- Feed advisor assists with speed and setup.

Additional features:

- Resolver for long life and accuracy.
- Special programs for applications such as GAG, cut-to-length and custom needs.
- Batch and cumulative counting functions available.
- Metric - Spanish and other languages available.
- 99 job storage on most models.
- Special roll profiles or roll relief.
- Special roll materials and finishes.
- Tandem feeds with special electronic gearing.
- CE certification available.
- Adjustable roll alignment for high accuracy.
- Electronic drive components housed in free-standing control console.



200 Series Servo Feed on Press with Control Box

RAPID-AIR SERVO FEED STRAIGHTENER COMBOS

Model	Max Material Width	Max Thickness Capacity at Full Width	Max Feed Roll Opening	AC Input Power
Heavy Duty KBX100S Series KBX104S KBX108S KBX112S	4" (102mm) 8" (203mm) 12" (305mm)	.080" (2.03mm) .070" (1.78mm) .060" (1.52mm)	.150" (3.81mm) .150" (3.81mm) .150" (3.81mm)	230V, 3ph, 60hz
Piloted Heavy Duty KBXP100S Series KBXP104S KBXP108S	4" (102mm) 8" (203mm)	.080" (2.03mm) .070" (1.78mm)	.150" (3.81mm) .150" (3.81mm)	

Servo feed/straightener combos

Model KBX104S



Powered stock straighteners for superior coil set removal.

Simple to operate.

Rapid-Air high-performance straighteners are simple to operate and capable of processing an exceptionally wide range of stock widths and thicknesses. They combine precision coil set removal with smooth payout of material. Easy to load and run, they're built with traditional Rapid-Air ruggedness for demanding, continuous use.



Model SCX12

RAPID-AIR STRAIGHTENER MODEL SELECTION

Model	Max Material Width	Effective Straightening Range	Max Speed per min
SA3 SA3M	3" (76mm)	.002" - .030" (.051-.76mm)	700" (1778cm)
SB4 SB4M	4" (102mm)	.003" - .050" (.076-1.27mm)	700" (1778cm)
SBX4 SBX8 SBX12	4" (102mm) 8" (203mm) 12" (305mm)	.004" - .080" (.10-2.03mm) .004" - .070" (.10-1.78mm) .004" - .060" (.10-1.52mm)	825" (2100cm) 825" (2100cm) 825" (2100cm)
SBX4M SBX8M SBX12M	4" (102mm) 8" (203mm) 12" (305mm)	.004" - .080" (.10-2.03mm) .004" - .070" (.10-1.78mm) .004" - .060" (.10-1.52mm)	1,650" (4200cm) 1,650" (4200cm) 1,650" (4200cm)
SCX6 SCX12 SCX18 SCX24	6" (152mm) 12" (305mm) 18" (457mm) 24" (610mm)	.006" - .100" (.15-2.54mm) .006" - .090" (.15-2.29mm) .006" - .080" (.15-2.03mm) .006" - .065" (.15-1.65mm)	825" (2100cm) 825" (2100cm) 825" (2100cm) 825" (2100cm)
SCX6M SCX12M SCX18M SCX24M	6" (152mm) 12" (305mm) 18" (457mm) 24" (610mm)	.006" - .100" (.15-2.54mm) .006" - .090" (.15-2.29mm) .006" - .080" (.15-2.03mm) .006" - .065" (.15-1.65mm)	1,650" (4200cm) 1,650" (4200cm) 1,650" (4200cm) 1,650" (4200cm)
SCX6H SCX12H SCX18H SCX24H	6" (152mm) 12" (305mm) 18" (457mm) 24" (610mm)	.006" - .080" (.15-2.03mm) .006" - .070" (.15-1.78mm) .006" - .060" (.15-1.52mm) .006" - .055" (.15-1.40mm)	4,100" (10400cm) 4,100" (10400cm) 4,100" (10400cm) 4,100" (10400cm)
SD6 SD12 SD18 SD24	6" (152mm) 12" (305mm) 18" (457mm) 24" (610mm)	.006" - .125" (.15-3.18mm) .006" - .125" (.15-3.18mm) .006" - .100" (.15-2.54mm) .006" - .090" (.15-2.29mm)	825" (2100cm) 825" (2100cm) 825" (2100cm) 825" (2100cm)

Rapid-Roll power roll is an ideal pulling source.

If you don't need straightening capabilities, but do require a pulling source to maintain a free loop for consistent feeding, Rapid-Roll is the answer. Many different models are available to meet flat or wire stock requirements.

RAPID-ROLL POWER ROLL MODEL SELECTION

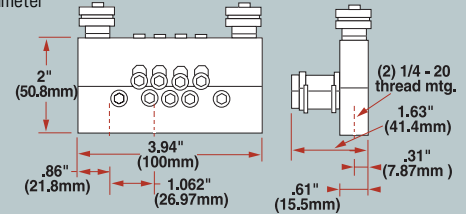
Model	Max Material Width	Recommended Operating Range	Speed	Max Speed per min
P1V P1M	1-1/2" (38mm)	.0005" - .075" (.0127-1.91mm)	Standard Medium	700" (1778cm) 1,400" (3556cm)
P4V P4M	4" (102mm)	.0005" - .060" (.0127-1.52mm)	Standard Medium	700" (1778cm) 1,400" (3556cm)
P1W P1WM	wire wire	.005" - .150" (.127-3.81mm) .005" - .150" (.127-3.81mm)	Standard Medium	700" (1778cm) 1,400" (3556cm)

Non-powered pull through straighteners extend the versatility of a Rapid Roll power roll.

Two flat stock straightener and three wire straightener models extend the versatility of Rapid Roll power units. Stock can be pulled through each of these straighteners using a Rapid Roll unit as a pulling source.

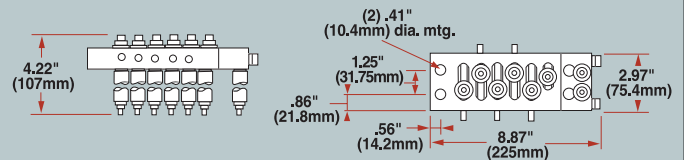
Model S0

- Flat stock.
- 1 entrance guide roll.
- (7) .375" (9.5mm) diameter straightening rolls.
- Unit separates in middle for easy loading.



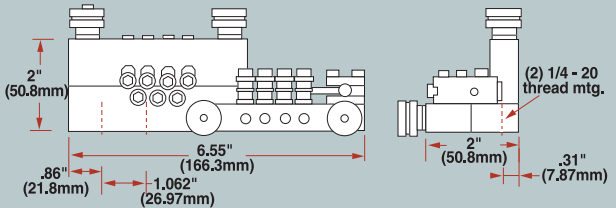
Model S1

- Flat stock.
- 2 entrance guide rolls.
- (6) .718" (18.2mm) diameter straightening rolls.



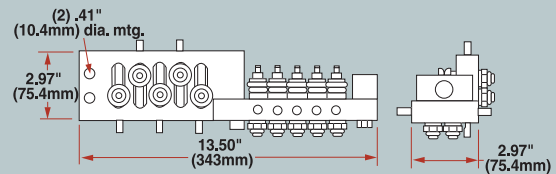
Model W0

- Wire.
- 14 grooved wire rolls for two plane straightening.
- Units separate easily for loading.



Model W1 and W2

- Wire.
- 10 grooved wire rolls for two plane straightening.



NON-POWERED STRAIGHTENERS

Model	Roll Diameter	Max Material Width	Recommended Operating Range
S0 S1	.375" (9.53mm) .718" (18.24mm)	.5" (12.7mm) - flat stock 1.5" (38mm) - flat stock	.003" - .020" (.076-.51mm) .005" - .035" (.127-.89mm)
W0 W1 W2	.375" (9.53mm) .900" (22.86mm) 1.000" (25.40mm)	wire wire wire	.003" - .030" dia (.076-.76mm dia) .015" - .060" dia (.38-1.52mm dia) .050" - .150" dia (1.27-3.81mm dia)

Stock reels - the most complete selection available from any source.

Powered reels.

Electric drive-powered reels are made for ease of operation with innovative standard features such as our proportional control system. This top-of-the-line patented system features variable speed capability, electronic loop height adjustment and loop sensing arm range control.



Reels available as dual swivel for best production rates.

***Non-powered.**

Non-powered reels are available in all models. We offer drag brakes in mechanical. Pneumatic and electric brakes are available on the 1000 series. Hydraulic expansion for centering arms is available on 1000 series reels.



Model RH34F

Hydraulic reels.

The smooth running capability of our hydraulic reel means superior performance when handling delicate materials. The light tensioning capability offers an outstanding alternative for difficult rewind applications.

RAPID-AIR 100 SERIES REEL MODEL SELECTION

Powered Model*	Max Coil Weight	Max Coil OD	Max Material Width	Center Diameter	Powered Max Speed
Adjustable Center					
R23A	75 lbs (34kg)	18" (457mm)	4" (102mm)	3" - 10" (76-254mm)	80 rpm
R24A	75 lbs (34kg)	24" (610mm)	4" (102mm)	3" - 12" (76-305mm)	80 rpm
R25A	75 lbs (34kg)	30" (762mm)	4" (102mm)	3" - 12" (76-305mm)	80 rpm
R34A	150 lbs (68kg)	24" (610mm)	4" (102mm)	5" - 16" (127-406mm)	50 rpm
R35A	150 lbs (68kg)	30" (762mm)	4" (102mm)	5" - 16" (127-406mm)	50 rpm
R36A	150 lbs (68kg)	36" (915mm)	4" (102mm)	5" - 16" (127-406mm)	50 rpm
R45A	250 lbs (114kg)	30" (762mm)	6" (152mm)	9" - 20" (229-508mm)	50 rpm
R46A	250 lbs (114kg)	36" (915mm)	6" (152mm)	9" - 20" (229-508mm)	50 rpm
R56A	500 lbs (227kg)	36" (915mm)	6" (152mm)	9" - 20" (229-508mm)	33 rpm
R58A	500 lbs (227kg)	48" (1220mm)	6" (152mm)	9" - 20" (229-508mm)	33 rpm
Fixed Center					
R23F	75 lbs (34kg)	18" (457mm)	4" (102mm)	3/4" (19mm)	80 rpm
R24F	75 lbs (34kg)	24" (610mm)	4" (102mm)	3/4" (19mm)	80 rpm
R25F	75 lbs (34kg)	30" (762mm)	4" (102mm)	3/4" (19mm)	80 rpm
R34F	150 lbs (68kg)	24" (610mm)	4" (102mm)	1-1/2" (38mm)	50 rpm
R35F	150 lbs (68kg)	30" (762mm)	4" (102mm)	1-1/2" (38mm)	50 rpm
R36F	150 lbs (68kg)	36" (915mm)	4" (102mm)	1-1/2" (38mm)	50 rpm
R45F	250 lbs (114kg)	30" (762mm)	6" (152mm)	1-1/2" (38mm)	50 rpm
R46F	250 lbs (114kg)	36" (915mm)	6" (152mm)	1-1/2" (38mm)	50 rpm
R56F	500 lbs (227kg)	36" (915mm)	6" (152mm)	1-3/4" (44.5mm)	33 rpm
R58F	500 lbs (227kg)	48" (1220mm)	6" (152mm)	1-3/4" (44.5mm)	33 rpm

RAPID-AIR 100 SERIES HYDRAULIC REEL MODELS

Powered Model	Max Coil Weight	Max Coil OD	Max Material Width	Center Diameter	Powered Max Speed
Hydraulic Reel Adjustable Center					
RH34A	150 lbs (68kg)	24" (610mm)	4" (102mm)	5" - 16" (127-406mm)	80 rpm
RH35A	150 lbs (68kg)	30" (762mm)	4" (102mm)	5" - 16" (127-406mm)	80 rpm
RH36A	150 lbs (68kg)	36" (915mm)	4" (102mm)	5" - 16" (127-406mm)	80 rpm
RH45A	250 lbs (114kg)	30" (762mm)	6" (152mm)	9" - 20" (229-508mm)	80 rpm
RH46A	250 lbs (114kg)	36" (915mm)	6" (152mm)	9" - 20" (229-508mm)	80 rpm
RH56A	400 lbs (182kg)	36" (915mm)	6" (152mm)	9" - 20" (229-508mm)	70 rpm
RH58A	400 lbs (182kg)	48" (1220mm)	6" (152mm)	9" - 20" (229-508mm)	70 rpm
Hydraulic Reel Fixed Center					
RH34F	150 lbs (68kg)	24" (610mm)	4" (102mm)	1-1/2" (38.1mm)	80 rpm
RH35F	150 lbs (68kg)	30" (762mm)	4" (102mm)	1-1/2" (38.1mm)	80 rpm
RH36F	150 lbs (68kg)	36" (915mm)	4" (102mm)	1-1/2" (38.1mm)	80 rpm
RH45F	250 lbs (114kg)	30" (762mm)	6" (152mm)	1-1/2" (38.1mm)	80 rpm
RH46F	250 lbs (114kg)	36" (915mm)	6" (152mm)	1-1/2" (38.1mm)	80 rpm
RH56F	400 lbs (182kg)	36" (915mm)	6" (152mm)	1-3/4" (44.5mm)	70 rpm
RH58F	400 lbs (182kg)	48" (1220mm)	6" (152mm)	1-3/4" (44.5mm)	70 rpm

RAPID-AIR 1000 SERIES SINGLE REEL MODEL SELECTION

Mechanical Centering Arms Model	Max Coil Weight	Max Coil OD	Max Material Width	Center Diameter	Powered Max Speed
Powered					
RA1506	1500 lbs (682kg)	48" (122cm)	6" (15cm)	14" - 22" (36-56cm)	23 rpm
RA1512	1500 lbs (682kg)	48" (122cm)	12" (31cm)	14" - 22" (36-56cm)	23 rpm
RA2506	2,500 lbs (1136kg)	60" (152cm)	6" (15cm)	16" - 24" (41-61cm)	23 rpm
RA2512	2,500 lbs (1136kg)	60" (152cm)	12" (31cm)	16" - 24" (41-61cm)	23 rpm
RA2518	2,500 lbs (1136kg)	60" (152cm)	18" (46cm)	16" - 24" (41-61cm)	23 rpm
RA4012	4,000 lbs (1818kg)	60" (152cm)	12" (31cm)	16" - 24" (41-61cm)	23 rpm
RA4018	4,000 lbs (1818kg)	60" (152cm)	18" (46cm)	16" - 24" (41-61cm)	23 rpm
RA4024	4,000 lbs (1818kg)	60" (152cm)	24" (61cm)	16" - 24" (41-61cm)	23 rpm
RA6012	6,000 lbs (2727kg)	72" (183cm)	12" (31cm)	17" - 24" (43-61cm)	17 rpm
RA6018	6,000 lbs (2727kg)	72" (183cm)	18" (46cm)	17" - 24" (43-61cm)	17 rpm
RA6024	6,000 lbs (2727kg)	72" (183cm)	24" (61cm)	17" - 24" (43-61cm)	17 rpm

1000 SERIES SINGLE NON-POWERED REEL WITH STRAIGHTENER – LOW

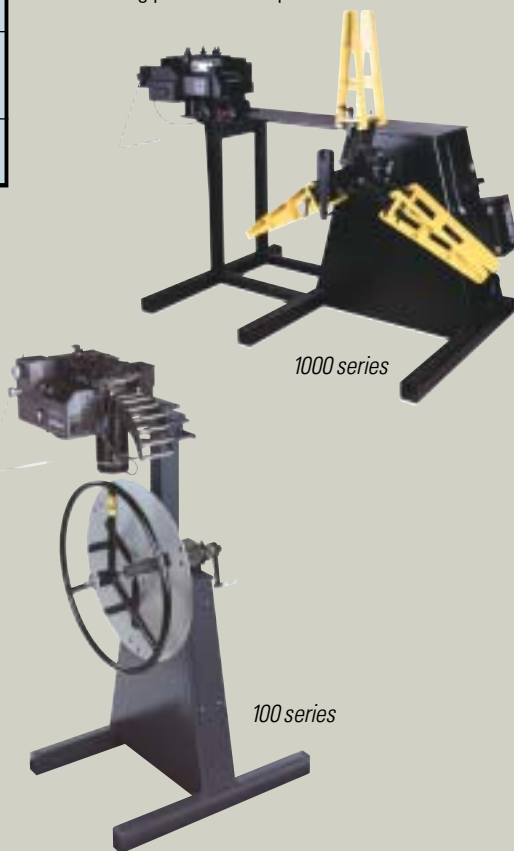
Adjustable Center Model	Drag Brake	Max Coil Weight	Max Coil OD	Max Material Width	Adjustable Center Diameter	Powered Max Speed per min
Single Non-Powered Reel With Straightener LCRMA1506/SBX8 LCRPA1506/SBX8 LCREA1506/SBX8	Mechanical	1,500 lbs (682kg)	48" (122cm)	6" (15cm)	14" - 22" (36-56cm)	825" (2100cm)
	Air	1,500 lbs (682kg)	48" (122cm)	6" (15cm)	14" - 22" (36-56cm)	825" (2100cm)
	Electric	1,500 lbs (682kg)	48" (122cm)	6" (15cm)	14" - 22" (36-56cm)	825" (2100cm)
LCRMA1512/SBX12 LCRPA1512/SBX12 LCREA1512/SBX12	Mechanical	1,500 lbs (682kg)	48" (122cm)	12" (31cm)	14" - 22" (36-56cm)	825" (2100cm)
	Air	1,500 lbs (682kg)	48" (122cm)	12" (31cm)	14" - 22" (36-56cm)	825" (2100cm)
	Electric	1,500 lbs (682kg)	48" (122cm)	12" (31cm)	14" - 22" (36-56cm)	825" (2100cm)
LCRMA1506/SCX6 LCRPA1506/SCX6 LCREA1506/SCX6	Mechanical	1,500 lbs (682kg)	48" (122cm)	6" (15cm)	14" - 22" (36-56cm)	825" (2100cm)
	Air	1,500 lbs (682kg)	48" (122cm)	6" (15cm)	14" - 22" (36-56cm)	825" (2100cm)
	Electric	1,500 lbs (682kg)	48" (122cm)	6" (15cm)	14" - 22" (36-56cm)	825" (2100cm)
LCRPA2506/SCX6 LCREA2506/SCX6	Air	2,500 lbs (1136kg)	60" (152cm)	6" (15cm)	16" - 24" (41-61cm)	825" (2100cm)
	Electric	2,500 lbs (1136kg)	60" (152cm)	6" (15cm)	16" - 24" (41-61cm)	825" (2100cm)

RAPID-AIR 100 SERIES NON-POWERED SINGLE REEL WITH STRAIGHTENER

Adjustable Center Model	Max Coil Weight	Max Coil OD	Max Material Width	Adj. Center Diameter	Fixed Center Diameter	Powered Max Speed per min
Reel/ Straightener With SB4 R34NA/SB4 R35NA/SB4 R36NA/SB4 R45NA/SB4 R46NA/SB4 R56NA/SB4 R58NA/SB4	150 lbs (68kg)	24" (61cm)	4" (102mm)	5" - 16" (13-41cm)	1-1/2" (38mm)	700" (1778cm)
	150 lbs (68kg)	30" (76cm)	4" (102mm)	5" - 16" (13-41cm)	1-1/2" (38mm)	700" (1778cm)
	150 lbs (68kg)	36" (91cm)	4" (102mm)	5" - 16" (13-41cm)	1-1/2" (38mm)	700" (1778cm)
	250 lbs (114kg)	30" (76cm)	4" (102mm)	9" - 20" (23-51cm)	1-1/2" (38mm)	700" (1778cm)
	250 lbs (114kg)	36" (91cm)	4" (102mm)	9" - 20" (23-51cm)	1-1/2" (38mm)	700" (1778cm)
	500 lbs (227kg)	36" (91cm)	4" (102mm)	9" - 20" (23-51cm)	1-3/4" (44.5mm)	700" (1778cm)
	500 lbs (227kg)	48" (122cm)	4" (102mm)	9" - 20" (23-51cm)	1-3/4" (44.5mm)	700" (1778cm)
	Reel/ Straightener With SBX4 R34NA/SBX4 R35NA/SBX4 R36NA/SBX4 R45NA/SBX4 R46NA/SBX4 R56NA/SBX4 R58NA/SBX4	150 lbs (68kg)	24" (61cm)	4" (102mm)	5" - 16" (13-41cm)	1-1/2" (38mm)
150 lbs (68kg)		30" (76cm)	4" (102mm)	5" - 16" (13-41cm)	1-1/2" (38mm)	825" (2100cm)
150 lbs (68kg)		36" (91cm)	4" (102mm)	5" - 16" (13-41cm)	1-1/2" (38mm)	825" (2100cm)
250 lbs (114kg)		30" (76cm)	4" (102mm)	9" - 20" (23-51cm)	1-1/2" (38mm)	825" (2100cm)
250 lbs (114kg)		36" (91cm)	4" (102mm)	9" - 20" (23-51cm)	1-1/2" (38mm)	825" (2100cm)
500 lbs (227kg)		36" (91cm)	4" (102mm)	9" - 20" (23-51cm)	1-3/4" (44.5mm)	825" (2100cm)
500 lbs (227kg)		48" (122cm)	4" (102mm)	9" - 20" (23-51cm)	1-3/4" (44.5mm)	825" (2100cm)

Reel/straightener combos are compact and economical.

Rapid-Air reel/straightener combos provide convenience, versatility and precise material flow for unmatched coil handling. Our modular equipment is designed to work well together and the combination equipment configurations offer cost savings as well. Rely on Rapid-Air expertise to put together a suitable package. With the straightener mounted over the reel, the Rapid-Air "duo" becomes a space-saving coil handling/straightening unit for demanding production requirements.



Leave stock coils on shipping pallets and reduce material handling with Pallet Master decoilers.

Pay out precision for high-speed, high-volume operations.

For high-speed, high-volume processing of coil stock, our Pallet Master decoiler models are available to handle loads up to 10,000 lbs (4550kg). A variety of options extend versatility.

RAPID-AIR PALLET MASTER DECOILERS – HORIZONTAL ARM MODEL SELECTION

Standard Pallet Reel Horizontal Arm Model	Horizontal Arm Pallet Reel with Straightener Model	Max Coil Weight	Max Coil OD	Max Material Width	Max Material Thickness	Max Coil Height	Powered Reel Max Speed	Powered Straightener Max Speed
PMDH35		3,500 lbs (1600kg)	36" (91cm)	4" (102mm)	.062" (1.57mm)	30" (76cm)	20 RPM	--
	PMDH35+SB4	3,500 lbs (1600kg)	36" (91cm)	4" (102mm)	.050" (1.27mm)	30" (76cm)	20 RPM	700 in/min (1778cm/min)
	PMDH35+SBX4	3,500 lbs (1600kg)	36" (91cm)	4" (102mm)	.062" (1.57mm)	30" (76cm)	20 RPM	825 in/min (2100cm/min)
PMDH50		5,000 lbs (2275kg)	50" (127cm)	6" (152mm)	.062" (1.57mm)	30" (76cm)	20 RPM	--
	PMDH50+SB4	5,000 lbs (2275kg)	50" (127cm)	4" (102mm)	.050" (1.27mm)	30" (76cm)	20 RPM	700 in/min (1778cm/min)
	PMDH50+SBX4	5,000 lbs (2275kg)	50" (127cm)	4" (102mm)	.062" (1.57mm)	30" (76cm)	20 RPM	825 in/min (2100cm/min)



Stock cutters for a variety of applications.

Rapid-Air offers a full range of pneumatic stock cutters that provide outstanding application flexibility and efficiency in handling your routine or specialty shearing and cut-to-length jobs. Choose from a small pivoting arm model for light gauge material up to a cutter that exerts 8,000 lbs (3636kg) of force for 24" (610mm) wide flat stock. It can be a stand-alone press or base-mounted unit, or part of a fully synchronized cut-to-length system.

RAPID-AIR STOCK CUTTER MODEL SELECTION						
	Cutter Only Model	CTL Cutter Model	Max Stock Width	Max Thickness Capacity at Full Width	Cutter Blade Opening	Max. Force @ 100 psi (6.9 bar)
Pivoting Arm Flat Stock Cutters	SCR125 SCL125	SCR125S SCL125S	1-1/4" (32mm)	.040" (1.02mm)	.135" (3.43mm)	1,400 lbs (636kg)
			1-1/4" (32mm)	.040" (1.02mm)	.135" (3.43mm)	1,400 lbs (636kg)
Pivoting Arm Round Stock Cutters	RSC14 RSC25	RSC14S RSC25S	.170" dia (4.32mm dia)	.170" dia (4.32mm dia)	.200" (5.08mm)	1,400 lbs (636kg)
			.250" dia (6.35mm dia)	.250" dia (6.35mm dia)	.312" (7.92mm)	2,500 lbs (1136kg)
Reciprocating Flat Stock Cutters	FSC4	FSC4S	4" (102mm)	.040" (1.02mm)	.150" (3.81 mm)	1,200 lbs (545kg)
	FSC6	FSC6S	6" (152mm)	.046" (1.17 mm)	.180" (4.57 mm)	2,000 lbs (909kg)
	FSC8	FSC8S	8" (203mm)	.055" (1.40 mm)	.090" (2.29 mm)	2,400 lbs (1100kg)
	FSC12	FSC12S	12" (302mm)	.068" (1.73 mm)	.100" (2.54 mm)	4,000 lbs (1818kg)
	FSC18	FSC18S	18" (457mm)	.080" (2.03 mm)	.180" (4.57 mm)	3,000/6,000 lbs (1365/2727kg)
	FSC24	FSC24S	24" (610mm)	.090" (2.29 mm)	.090" (2.29 mm)	4,000/8,000 lbs (1818/3636kg)

RAPID-AIR CUT-TO-LENGTH MACHINES WITH AIR FEED			
Cut-To-Length Model Number	Cutter Width	Max Stock Width	Max Cutter Thickness
FSC4SEB+CB16C+C3S	4" (102mm)	3" (76mm)	.040" (1.02mm)
FSC4SEB+CB16C+C6S	4" (102mm)	3" (76mm)	.040" (1.02mm)
FSC4SEB+CB16C+D3S	4" (102mm)	4" (102mm)	.040" (1.02mm)
FSC4SEB+CB16C+D6S	4" (102mm)	4" (102mm)	.040" (1.02mm)
FSC6EB+CB16C+F4S	6" (152mm)	6" (152mm)	.046" (1.17mm)
FSC6EB+CB16C+F6S	6" (152mm)	6" (152mm)	.046" (1.17mm)
FSC6EB+CB16C+F8S	6" (152mm)	6" (152mm)	.046" (1.17mm)
FSC8EB+CB16C+H4S	8" (203mm)	8" (203mm)	.055" (1.40mm)
FSC8EB+CB16C+H8S	8" (203mm)	8" (203mm)	.055" (1.40mm)
FSC12SEB+MB24C+L6S	12" (305mm)	12" (305mm)	.068" (1.73mm)
FSC12SEB+MB24C+L12S	12" (305mm)	12" (305mm)	.068" (1.73mm)
FSC12SEB+MB24C+L16S	12" (305mm)	12" (305mm)	.068" (1.73mm)
SCL125S+CB16A+A2S	1-1/4" (32mm)	1-1/4" (32mm)	.040" (1.02mm)
SCL125S+CB16A+A4S	1-1/4" (32mm)	1-1/4" (32mm)	.040" (1.02mm)
SCL125S+CB16A+A6S	1-1/4" (32mm)	1-1/4" (32mm)	.040" (1.02mm)
SCL125S+CB16A+A8S	1-1/4" (32mm)	1-1/4" (32mm)	.040" (1.02mm)
RSC14S+CB16A+A2S	.170" dia (4.32mm dia)	.170" dia (4.32mm dia)	.170" dia (4.32mm dia)
RSC14S+CB16A+A4S	.170" dia (4.32mm dia)	.170" dia (4.32mm dia)	.170" dia (4.32mm dia)
RSC25S+CB16A+W6S	.250" dia (6.35mm dia)	.250" dia (6.35mm dia)	.250" dia (6.35mm dia)
RSC25S+CB16A+W12S	.250" dia (6.35mm dia)	.250" dia (6.35mm dia)	.250" dia (6.35mm dia)



Model
CTL SCL125S + CB16A + A2S

A Rapid-Air cut-to-length machine with servo feed, or servo feed straightener (KBX100), is a real production booster for both long or short length stamping operations.

These integrated units may provide a maximum feed stroke of up to 999" (2537cm) or more, and handle maximum stock widths up to 24" (610mm).

Consult our application engineers regarding special control programs and feed-cutter combinations available to meet your specific needs.



Model
CTL FSC24S + MB30 + 224T

RAPID-AIR CUT-TO-LENGTH MACHINES WITH SERVO FEED			
CTL Model Number	Cutter Width	Max Stock Width	Max Cutter Thickness
FSC4S+CB16+106T	4" (102mm)	4" (102mm)	.040" (1.02mm)
FSC4S+CB16+KBX104S	4" (102mm)	4" (102mm)	.040" (1.02mm)
FSC6S+CB16+106T	6" (152mm)	6" (152mm)	.046" (1.17mm)
FSC6S+CB16+208T	6" (152mm)	6" (152mm)	.046" (1.17mm)
FSC6S+CB16+KBX104S	6" (152mm)	4" (102mm)	.046" (1.17mm)
FSC6S+CB16+KBX108S	6" (152mm)	6" (152mm)	.046" (1.17mm)
FSC8S+CB16+208T	8" (203mm)	8" (203mm)	.055" (1.40mm)
FSC8S+CB16+KBX108S	8" (203mm)	8" (203mm)	.055" (1.40mm)
FSC12S+MB24+112T	12" (305mm)	12" (305mm)	.068" (1.73mm)
FSC12S+MB24+212T	12" (305mm)	12" (305mm)	.068" (1.73mm)
FSC12S+MB24+KBX112S	12" (305mm)	12" (305mm)	.068" (1.73mm)
SCL125S+CB16+106T	1.25" (32mm)	1.25" (32mm)	.040" (1.02mm)
RCS14S+CB16+106T	.170" dia (4.32mm dia)	--	.170" dia (4.32mm dia)
RSC25S+CB16+106T	.250" dia (6.35mm dia)	--	.250" dia (6.35mm dia)

LLS & LLP Series Double Lo-Loop Space-Saver, payout or rewind (patented).

An entirely new way of looking at the placement of equipment in a stamping plant. With many types and sizes of material it is now possible to place a reel of material very close to a feed mounted on a press and still maintain a substantial amount of material in reserve for interference free feeding of material. It is also now possible to feed directly from a non-powered reel without a concern for slippage caused by the high jerk created by the speed of feeding from a high inertial load of material on the reel. The Rapid-Air Lo-Loop keeps the reel moving at the proper speed of rotation needed for smooth operation.



100 Series

Multi-head reel combinations provide payout and rewinding capabilities and interleaf protection.

Any number of multi-head setups can be put in place to accommodate your manufacturing needs. One reel setup can be in full operation while the other setup is standing by, ready to make a smooth and quick changeover. Less downtime means added production efficiently. Inserting interleaf material to protect delicate, plated or intricately shaped materials that could snag or tangle during manufacturing is a simple procedure. The use of multi-head reel combinations allows you to put tension on the stock for a tighter, more compact wrap. Consult factory for special arrangements.



Payout with straightening and interleaf rewind MR2A2B.

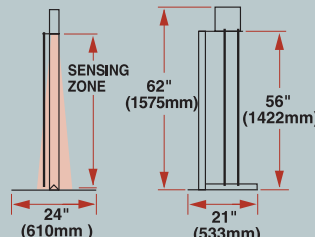


Rewind with interleaf insert MR2B2B

Proportional electronic loop control system is standard for all powered models.

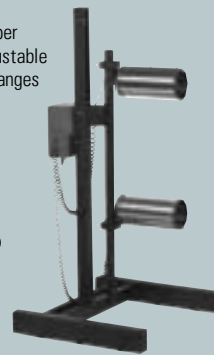
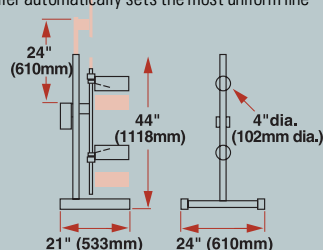
Model RS1 - Optional ultrasonic non-contact loop control.

This type of control system originated by Rapid-Air automatically adjusts the operating speed of a powered reel to maintain a free material loop and to match material flow to a required line speed. There are no moving parts, no stock contact, no loop sensing arm, mechanical linkage or other loop control hardware. The control works with equal precision for both conductive and non-conductive materials. Ultrasonic pulses locate the material position anywhere in the sensing range. Signals are then transmitted to an integral microprocessor which programs the speed of the coil reel. A free loop, even at high speeds, can be kept under precise control without erratic stop and start motions. Special stock types and configurations can be processed without damage - regardless of coil coating finishes, density or opacity.



Model RTB - Optional electronic hi-lo touch system loop control.

The Rapid-Touch system works without use of a material sensing arm by sensing the upper and lower position of conductive material. For use with non-conductive material, an adjustable probe is furnished on the inside of the large diameter, flexible sensors. As the material ranges between the sensors, a solid state controller automatically sets the most uniform line speed for continuous operation and changes this speed to match variable requirements. Power requirements and interfacing are satisfied when the plug connection is made with the Rapid-Air reel. Sensor height is adjustable three ways to accommodate varying material loop positions.



Come visit our Rapid-Air showroom in Rockford, Illinois USA

NOTE: Some product photos shown in black. New Rapid-Air products are painted blue.

Product Specifications:

All product specifications are subject to change without prior notice. Rapid-Air Corp. will provide updated technical data and specifications on any product upon written request.

Rapid-Air products are protected by one or more of the following patents: 3,038,645; 3,165,277; 4,555,071; 4,578,621; 4,594,872; 4,669,645; 4,700,907; 4,753,381; 4,773,610; 4,804,898; 5,033,342; 5,197,645; 5,305,938; 5,713,533; 5,761,978; 5,772,095 Other patents pending.

THE MOST RELIABLE FEEDING & COIL HANDLING EQUIPMENT MADE

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