

Coe Press Equipment Corporation

SpaceMaster Series 1 Compact Coil Lines



Coe Press SpaceMaster Series 1 Compact Coil Lines are designed to combine the 3 functions of unwinding, straightening, and feeding of coil stock into 1 machine. This compact arrangement provides optimum coil feeding efficiency with pilot release operation and saves valuable plant floorspace. The machine is rigidly mounted on a common machine base for maximum stability during the feeding process. The coil reel is driven by an AC inverter duty drive and motor. The combination feeder-straightener is driven by a closed loop digital servo drive and motor.

STANDARD FEATURES

- Motorized Coil Reel for Payoff
- Heavy Duty Backplate Construction
- 60" Maximum Coil Outside Diameter
- Hydraulic Mandrel Expansion Feature
- Fail Safe Disk Brake for Clockspring Control
- Material Width Scales on Mandrel Pads
- 4 Heavy Duty Coil Keepers
- Air Operated Coil Hold Down Arm
- Endwheel for Clockspring Control
- Air Operated Coil Hold Up for Threading
- Electric Eye Type Loop Control
- Variable Speed Pay-off Operations
- Hand Crank Entrance Edge Guides
- 3 Roll Catenary Support Section
- Heavy Duty Machine Cabinet Base
- +/- 4" Passline Height Adjustment
- Passline Adjusted by Screw Jacks
- 9 Straightener Rolls - 5 over 4
- All Straightener Rolls Power Driven
- Precision Spur Gear Drive Train
- Permanently Lubed and Sealed Bearings
- Pivoting Type Straightener Head
- Head Opening for Access and Cleaning
- Feed Rolls With #3 Matte Chrome Finish
- Full Width Upper and Lower Feed Rolls
- Yaskawa AC Servo Drive - Digital Control
- Inverter Duty AC Variable Speed Drive
- Desk Type Slant Top Control Enclosure
- Centralized Controls for Reel and Feeder
- ServoMaster Controller MMI



Coe Press Equipment Corporation
"The Co-That Feeds an Industry"

SpaceMaster Series 1 12•16•20•24

ITEM

SPECIFICATIONS

| MODEL | S1-12 | S1-16 | S1-20 | S1-24 |
|--------------------------|------------------|------------------|------------------|------------------|
| Max Coil Width | 1.0" - 12.0" | 1.0" - 16.0" | 1.0" - 20.0" | 1.0" - 24.0" |
| Max coil Thickness | .010" - .125" | .010" - .125" | .010" - .125" | .010" - .125" |
| Nominal Coil I.D. | 18" | 18" | 18" | 18" |
| Max Coil O.D. | 60" | 60" | 60" | 60" |
| Coil Weight | 4,500 lbs. | 4,500 lbs. | 4,500 lbs. | 4,500 lbs. |
| Feed Roller Dia. | 3.3" | 3.3" | 3.3" | 3.3" |
| Pinch Roller Dia. | 3.3" | 3.3" | 3.3" | 3.3" |
| Straightener Roller Dia. | 2.6" | 2.6" | 2.6" | 2.6" |
| Line Speed | 60 feet/min | 60 feet/min | 60 feet/min | 60 feet/min |
| Uncoiler Motor | AC Inverter | AC Inverter | AC Inverter | AC Inverter |
| Mandrel Expansion | Hydraulic | Hydraulic | Hydraulic | Hydraulic |
| Air Pressure | 70 psi | 70 psi | 70 psi | 70 psi |
| Feed Level From Floor | tbd | tbd | tbd | tbd |
| Dimensions (L•W•H) | 150" x 68" x 78" | 150" x 72" x 78" | 150" x 76" x 78" | 150" x 80" x 78" |
| Machine Weight | 4,600 lbs. | 5,900 lbs. | 7,500 lbs. | 9,000 lbs. |

FEEDING CAPACITY

| FEED LENGTH | 1" | 2" | 4" | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" |
|------------------------------|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|
| Strokes/Min. 120° Feed Angle | 114 | 85 | 64 | 53 | 47 | 43 | 39 | 36 | 34 | 32 | 30 |
| Strokes/Min. 180° Feed Angle | 174 | 129 | 96 | 80 | 71 | 64 | 60 | 55 | 52 | 49 | 46 |
| Strokes/Min. 240° Feed Angle | 228 | 170 | 127 | 107 | 93 | 85 | 76 | 73 | 69 | 64 | 61 |

STRAIGHTENING PERFORMANCE

| TYPE | S1-12 | S1-16 | S1-20 | S1-24 |
|----------------|------------|------------|------------|------------|
| COIL THICKNESS | COIL WIDTH | COIL WIDTH | COIL WIDTH | COIL WIDTH |
| .010" - .070" | 12" | 16" | 20" | 24" |
| .080" | 12" | 12" | 12" | 12" |
| .090" | 10" | 10" | 10" | 10" |
| .110" | 8" | 8" | 8" | 8" |
| .125" | 6" | 6" | 6" | 6" |



OPTIONS

- 460 Volt Step-down Transformer
- Hydraulic Traveling Coil Car
- Extra Set of 4 Coil Keepers
- Mandrel Adapter Pads for 20" I.D.
- Motorized Passline Height Adjustment
- Increase Coil Weight Capacity to 6,600 lbs.

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