

**Coe Press Equipment Corporation**

# SpaceMaster Series 2 Compact Coil Lines



Coe Press SpaceMaster Series 2 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
- Inverter Duty AC Variable Speed Drive
- 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
- Motorized Endwheel for Coil Threading
- Variable Speed Drive for Endwheel
- Air Operated Coil Hold Up for Threading
- Electric Eye Type Loop Control
- Variable Speed Pay-off Operations
- Threading Assist Roll Assembly
- Anti-backup Feature Built into Debender
- Dual Roll Entrance Edge Guides
- Single Roll Exit Edge Guides
- +/- 1" Offset Feature for 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
- Worm Gear Adjustment of Upper Rolls
- Feed Rolls With #3 Matte Chrome Finish
- Full Width Upper and Lower Feed Rolls
- Yaskawa AC Servo Drive - Digital Control
- Desk Type Slant Top Control Enclosure
- Centralized Controls for Reel and Feeder
- ServoMaster Controller MMI



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## SpaceMaster Series 2 12•16•20•24

ITEM	SPECIFICATIONS			
MODEL	S2-12	S2-16	S2-20	S2-24
Max Coil Width	2.0" - 12.0"	2.0" - 16.0"	2.0" - 20.0"	2.0" - 24.0"
Max Coil Thickness	.010" - .187"	.010" - .187"	.010" - .187"	.010" - .187"
Nominal Coil I.D.	20"	20"	20"	20"
Max Coil O.D.	60"	60"	60"	60"
Coil Weight	6,600 lbs.	6,600 lbs.	6,600 lbs.	6,600 lbs.
Feed Roller Dia.	5.0"	5.0"	5.0"	5.0"
Pinch Roller Dia.	5.0"	5.0"	5.0"	5.0"
Straightener Roller Dia.	2.5"	2.5"	2.5"	2.5"
Line Speed	60 feet/min	60 feet/min	60 feet/min	60 feet/min
Feed Motor	3.0kw	3.0kw	5.5kw	5.5kw
Uncoiler Motor	1.5kw	1.5kw	1.5kw	1.5kw
Mandrel Expansion	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Expansion Range	15.5" - 20.5"	15.5" - 20.5"	15.5" - 20.5"	15.5" - 20.5"
Air Pressure	70 psi	70 psi	70 psi	70 psi
Feed Level From Floor	tbd	tbd	tbd	tbd
Dimensions (L•W•H)	156" x 88" x 65"	156" x 92" x 65"	156" x 96" x 65"	156" x 100" x 65"
Machine Weight	7,700 lbs.	9,000 lbs.	11,700 lbs.	12,400 lbs.

## SpaceMaster Series 2 32•40•52

ITEM	SPECIFICATIONS		
MODEL	S2-32	S2-40	S2-52
Max Coil Width	2.0" - 32.0"	2.0" - 40.0"	2.0" - 52.0"
Max Coil Thickness	.010" - .187"	.010" - .187"	.010" - .187"
Nominal Coil I.D.	20"	20"	20"
Max Coil O.D.	60"	60"	60"
Coil Weight	11,000 lbs.	11,000 lbs.	11,000 lbs.
Feed Roller Dia.	5.0"	5.0"	5.0"
Pinch Roller Dia.	5.0"	5.0"	5.0"
Straightener Roller Dia.	2.5"	2.5"	2.5"
Line Speed	60 feet/min	60 feet/min	60 feet/min
Feed Motor	5.5kw	7.5kw	11.0kw
Uncoiler Motor	3.0kw	3.0kw	3.0kw
Mandrel Expansion	Hydraulic	Hydraulic	Hydraulic
Expansion Range	18.5" - 20.5"	18.5" - 20.5"	18.5" - 20.5"
Air Pressure	70 psi	70 psi	70 psi
Feed Level From Floor	tbd	tbd	tbd
Dimensions (L•W•H)	156" x 108" x 65"	156" x 116" x 65"	156" x 128" x 65"
Machine Weight	13,200 lbs.	15,200 lbs.	16,500 lbs.

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## SpaceMaster Series 2 Compact Coil Lines

### FEEDING PERFORMANCE

FEED LENGTH	2"	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"
Strokes/Min. 90°	61	45	36	31	26	23	21	19	17	16	15	14
Strokes/Min. 120°	81	60	49	41	35	31	28	25	23	21	19	18
Strokes/Min. 180°	122	90	73	61	53	47	42	38	34	31	29	27
Strokes/Min. 240°	163	120	97	82	71	62	55	50	46	42	39	36

**Note:** Feeding Performance shown for reference only. Consult factory for exact performance.

## SpaceMaster Series 2 12•16•20•24

### STRAIGHTENING CAPACITY

TYPE	S2-12	S2-16	S2-20	S2-24
COIL THICKNESS	COIL WIDTH	COIL WIDTH	COIL WIDTH	COIL WIDTH
.010" - .100"	12"	16"	20"	24"
.125"	12"	12"	12"	12"
.156"	10"	10"	10"	10"
.187"	8"	8"	8"	8"

**Note:** Straightening Capacity shown may require optional drive sizes. Consult factory for exact capacity.

## SpaceMaster Series 2 32•40•52

### STRAIGHTENING CAPACITY

TYPE	S2-32	S2-40	S2-52
COIL THICKNESS	COIL WIDTH	COIL WIDTH	COIL WIDTH
.010" - .100"	32"	40"	52"
.125"	10"	10"	8"
.156"	8"	8"	6"
.187"	6"	6"	4"

**Note:** Straightening Capacity shown may require optional drive sizes. Consult factory for exact capacity.



### OPTIONS

- 460 Volt Step-down Transformer
- 72" Maximum Coil O.D.
- Extra Set of 4 Coil Keepers
- Hydraulic Traveling Coil Car
- 80 FPM Maximum Linespeed
- Special Expansion Range 19.5"-24.5"
- Motorized Passline Height Adjustment
- Motorized Straightener Roll Adjustment
- Increase Coil Weight Capacity to 11,000 lbs.
- Increase Coil Weight Capacity to 15,000 lbs.
- Dual Roll Upper Coil Guide Assembly
- Motorized Coil Guide Adjustment
- Increase Feed Drive Size and Reduction

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