

**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**
- **10 Straightener Rolls – 5 over 5**
- **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**



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*"The Company 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.	16"	16"	16"	16"
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.	3.5"	3.5"	3.5"	3.5"
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
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

- 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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