ROUNDO 3-Roll Plate Bending Machines Type PS







Universal Machine used for all Plate Bending Double Pinch Design







1. Align the plate using the alignment grooves in the lower rolls or against the rear roll. The prebending is accomplished by clamping the plate between the top roll and one of the lower rolls. The other lower roll is placed in its lowest position.

ROUNDO is the world's leading manufacturer of plate and section bending machines. The company was formed in 1964, and has since delivered more than 15 000 machines to satisfied customers around the globe. ROUNDO machines are world-renowned for outstanding performance, reliability and quality.

Wide Range of Machines

The standard range of 3-roll plate bending machines covers plate thicknesses from 3 mm (1/8") to 100 mm (4") and widths from 1 000 mm to 8 000 mm (3' to 26'). All machines have unique features needed for high precision and versatility:

- Prebending of both the leading and trailing edge. In many cases, the remaining flat end is as short as one time the plate thickness.
- Fully hydraulic, infinitely variable speed drive and adjustment of the rolls.
- · Highest drive torque of any competitive machine.
- Frames made of high-strength steel, fully welded and stress relieved before machining to have sufficient strength to absorb bending forces and to achieve highest possible accuracy.
- All purpose machine with wide working range.
- · Excellent for cone bending.





2. The plate is bent towards the top roll by the other roll; and the plate edge is prebent to minimum flat end possible. A length of the plate is rolled and radius is checked.



3. Roll the plate through the machine and bend to desired diameter.



4. Lower the clamping roll and raise the other roll until the plate is clamped again. Roll the plate into a closed cylinder and prebend the second plate edge.



5. Finished cylinder is released from the machine by lowering the drop end.

Most Versatile Plate Roll

The ROUNDO PS rolls are the most versatile yet cost-effective bending rolls available today. The pinch/pyramid design provides excellent prebending capabilities of both ends of the plate without the need to remove, turn, and re-insert the plate. Yet, by positioning the rolls in the pyramid (symmetric) configuration, maximum bending capacity can be obtained, as well as maximum cone bending capabilities. The ROUNDO PS rolls provide a large opening between the upper and lower rolls, permitting heavy bars and even such unusual items as stair stringers for spiral staircases to be rolled. Versatility can be further expanded by the addition of attachments to roll flat bar on edge; and, on many models, angle iron, T-bar, channel, pipe and other sections.

Heaviest Frame Components

The main frame on all ROUNDO PS rolls is welded steel construction, machined and line bored using the heaviest components of any competitive machine for added strength and rigidity. ROUNDO is the only manufacturer who stress-relieves every frame after welding.

Largest Rolls & Roll Shaft Bearings

The rolls are made from high carbon-content steel forgings for maximum surface hardness and are the largest diameter rolls of any comparable machine. To achieve optimum bending results, the rolls are crowned in a special manner to compensate for the deflection under load. The amount of crowning is calculated by computer to achieve the largest possible thickness range. The rolls are journalled in oversized SKF roller bearings for greatest efficiency and long life.







Cone bending

Portable control



Highest Drive Torque

PS 500

ROUNDO PS rolls provide the greatest drive torque of any comparable machine. Greater drive torque means the plate can generally be rolled in fewer passes to a tighter diameter. All three rolls are driven at all times. Smaller models incorporate a central hydraulic motor, and larger machines have separate hydraulic motors for each roll. Electronically controlled infinitely variable rolling speeds give the operator full control of the bending process, and are standard on every ROUNDO PS roll.

Greatest Bending Roll Force

The two lower rolls are individually adjusted by hydraulic cylinders at both ends of the rolls. These are sized to allow ROUNDO PS rolls to generate more bending power than any comparable machine. Parallelism of the rolls is one of the most crucial factors in achieving good bending results. This is assured on all ROUNDO PS rolls, even under maximum load, by the use of series connected cylinders on smaller machines and digital controls on larger machines. In addition, the lower rolls, and optionally even the top roll, can be tilted to facilitate the widest cone rolling capacity.

Massive Drop End

The drop end, or end yoke, is very heavily proportioned and hinged at two swiveling points placed so that they counteract the forces from the lower rolls against the top roll. This construction eliminates any tendency for the drop end to twist.

User-Friendly Controls

Portable controls are utilized as operating controls on the various models. They are designed and arranged to enable the operator to stand at the position best suited for viewing and safety during

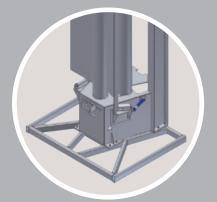
rolling. Electronic digital readouts or dial indicators are provided to facilitate repetitive rolling operations.

Tilting the rolls for cone rolling is accomplished

by push button controls.

Excellent for Cone Bending

The cone bending attachment is mounted on the upper roll at the drop end and is used to slow the small end of the pre-cut cone plate, giving it a lower speed than the large end as they move through the machine. With this attachment and standard power tilting of the lower rolls, cone bending is greatly facilitated. To further enhance cone bending, the machine can be optionally equipped with a tiltable top roll.





Combined horizontal/vertical design

Optional Equipment

ROUNDO PS rolls are the best equipped and most versatile in the industry, yet there are applications where the addition of options such as material handling equipment, bar bending attachments, special top rolls, or special controls such as ROUNDO's exclusive PSR/wCNC² are called for. For those applications, we offer the following:

Interchangeable Top Roll

When rolling parts to diameters smaller than the standard top roll will permit, an interchangeable top roll may be installed. This smaller diameter top roll can be easily exchanged with the standard top roll, further enhancing the machine's versatility.

Interchangeable top rolls with special crowning or special machining to accommodate unusual applications can also be installed.

Overhead and Side Supports

All PS rolls can be equipped with hydraulically operated side supports on one or both sides to support the material as it enters or leaves the machine. An adjustable top support to support the material from overhead helps reduce deformation of the rolled plate. These supports can be ordered mounted on the machine when shipped from the ROUNDO factory, or added later as requirements warrant. This flexibility allows the machine to be equipped in a manner that enhances efficiency, safety and productivity while preserving capital.

Hardened, Ground and Polished Rolls

For stainless steels and other materials with high strength limits, or when frequent cone bending is anticipated, hardened and ground rolls are recommended. To avoid cracking and warping issues, the rolls are hardened using the preferred 7-step surface hardening process, followed by precision grinding and polishing.







Controls



RLC/3 logic control

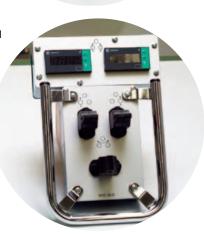


PSR/wCNC² control

Portable control console



Portable control console with digital readouts



Portable control console with double digital readouts

ROUNDO CNC Controls

The ROUNDO PSR/wCNC² Control is a PC-based CNC control running on Microsoft® Windows, providing an operator-friendly graphical interface. This highly advanced and powerful system can control up to 12 axes, including the main bending rolls, the powered support devices, and even infeed and outfeed devices. Smooth blending of radii by simultaneous rotation and roll adjustment greatly improves the quality of all parts with multiple radii.

The ROUNDO PSR/wCNC² Control software includes a library of bending wizards to rapidly produce good parts. Even short runs can be efficiently rolled using this system. The CNC Control is available for all models.

ROUNDO PLC Controls

The ROUNDO RLC/3 Logic Control System is a PLC based control system designed and developed especially for small plate and section bending machines. This system can control up to 7 axes and the possibility to use USB memory allows infinite number of bending programs. Optionally, three of these axes can be positioned simultaneously, providing an interpolation function. Programming may be done via integrated keyboard or with fast teach-in function.

Other Control options

The ROUNDO RLC/1 Position Control System is a basic positioning control with 2 pre-set values for each axis (one for up and one for down). The positioning control automatically stops the movement of the bending roll when the pre-set value is reached. This system is

designed to make repetitive bends, eliminating the need to manually stop at all required positions.

Electronic Digital Readouts

In place of the standard dial indicators. They are mounted in the portable control station and are available for all models to improve the positioning accuracy of the

bending rolls when adjusted by the operator. To further enhance productivity, especially for cone rolling, double

especially for cone rolling, double digital readouts showing the positions of each end of each lower roll are available.

ROUNDO

3-Roll Plate Bending Machines Type PSE and PSS

Roundo also produces a range of smaller 3-Roll machines, type PSE.

Type PSS is our range of massive capacity 3-Roll machines with separate hydraulic motors and roll diameters up to 1000 mm (40").

Please contact us for detailed information.



Capacities and Specifications

205/5 230/5 255/5 280/5 310/5 340/5 360/5 460/5 500/5 550/5 600/5 230/6 230/6 240/6 340/6 360/6 390/6 460/6 500/6 500/6 500/6 205/8 230/8	5' x 1/2" 5' x 9/16" 5' x 7/8" 5' x 11/16" 5' x 7/8" 5' x 1-1/8" 5' x 1-3/8" 5' x 1-3/4" 5' x 2-1/2" 5' x 3-5/8" 6' x 3/8" 6' x 1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8" 6' x 1-3/8"	5' x 9/16" 5' x 5/8" 5' x 3/4" 5' x 1-1/4" 5' x 1-1/2" 5' x 1-1/2" 5' x 1-1/4" 5' x 2-1/4" 5' x 2-9/16" 5' x 3-3/8" 6' x 1-1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8"	Inches 8.07 9.05 10.04 11.02 12.20 13.40 14.17 15.36 18.11 19.69 21.66 23.63 8.07 9.05	HP 7-1/2 10 10 10 12 20 36 36 50 60 85 100 120	113 125 125 136 136 155 155 156 175 185	W 39 48 48 59 59 67 75 86 100	H 40 44 44 58 58 70 72 84	pounds 7,100 10,100 10,800 13,900 15,000 24,400 27,100 31,700	2-1/2" x 1" 2-1/2" x 1-1/8" 3" x 1-1/8" 2-1/2" x 1-1/2" 3-1/2" x 1-1/2" 4" x 1-3/4" 4-1/2" x 1-3/4" 5" x 2-1/2"	2" x 2" x 1/4" 2-1/2" x 2-1/2" x 5/16' 3" x 3" x 3/8" 3-1/2" x 3-1/2" x 1/2" 4" x 4" x 1/2" N/A N/A N/A
230/5 255/5 280/5 310/5 340/5 360/5 390/5 460/5 500/5 550/5 600/5 205/6 230/6 255/6 310/6 340/6 360/6 390/6 460/6 500/6 550/6 600/6 205/8 230/8	5' x 9/16" 5' x 11/16" 5' x 7/8" 5' x 1" 5' x 1-1/8" 5' x 1-3/8" 5' x 1-3/4" 5' x 2-1/8" 5' x 2-1/2" 5' x 3" 5' x 3-5/8" 6' x 3/8" 6' x 1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8" 6' x 1" 6' x 1-1/4"	5' x 5/8" 5' x 3/4" 5' x 15/16" 5' x 1-1/16" 5' x 1-1/4" 5' x 1-1/2" 5' x 1-13/16" 5' x 2-1/4" 5' x 2-9/16" 5' x 3-3/8" 5' x 3-3/4" 6' x 1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8"	8.07 9.05 10.04 11.02 12.20 13.40 14.17 15.36 18.11 19.69 21.66 23.63 8.07	7-1/2 10 10 12 20 36 36 50 60 85 100 120	113 125 125 136 136 155 155 156 175 185	39 48 48 59 59 67 75 86 100	40 44 44 58 58 70 72 84	7,100 10,100 10,800 13,900 15,000 24,400 27,100	2-1/2" x 1-1/8" 3" x 1-1/8" 2-1/2" x 1-1/2" 3-1/2" x 1-1/2" 4" x 1-3/4" 4-1/2" x 1-3/4"	2-1/2" x 2-1/2" x 5/16' 3" x 3" x 3/8" 3-1/2" x 3-1/2" x 1/2" 4" x 4" x 1/2" N/A N/A N/A
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310/5 340/5 360/5 390/5 460/5 550/5 600/5 205/6 230/6 255/6 280/6 340/6 340/6 360/6 390/6 460/6 500/6 550/6 600/6 205/8	5' x 1" 5' x 1-1/8" 5' x 1-3/8" 5' x 1-3/4" 5' x 2-1/8" 5' x 2-1/2" 5' x 3' 5' x 3-5/8" 6' x 1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8" 6' x 1"	5' x 1-1/16" 5' x 1-1/4" 5' x 1-1/2" 5' x 1-13/16" 5' x 2-1/4" 5' x 2-9/16" 5' x 3-3/8" 6' x 1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8"	12.20 13.40 14.17 15.36 18.11 19.69 21.66 23.63 8.07	20 36 36 50 60 85 100	136 155 155 156 175 185 195	59 67 75 86 100	58 70 72 84	15,000 24,400 27,100	3-1/2" x 1-1/2" 4" x 1-3/4" 4-1/2" x 1-3/4"	4" x 4" x 1/2" N/A N/A N/A
340/5 360/5 390/5 460/5 500/5 550/5 600/5 205/6 230/6 255/6 310/6 340/6 360/6 390/6 460/6 500/6 600/6 205/8 230/8	5' x 1-1/8" 5' x 1-3/8" 5' x 1-3/4" 5' x 2-1/8" 5' x 2-1/2" 5' x 3' 5' x 3-5/8" 6' x 3/8" 6' x 1/2" 6' x 5/8" 6' x 7/8" 6' x 7/8" 6' x 1-1/4"	5' x 1-1/4" 5' x 1-1/2" 5' x 1-13/16" 5' x 2-1/4" 5' x 2-9/16" 5' x 3-3/8" 5' x 3-3/4" 6' x 1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8"	13.40 14.17 15.36 18.11 19.69 21.66 23.63 8.07	36 36 50 60 85 100	155 155 156 175 185 195	67 75 86 100	70 72 84	24,400 27,100	4" x 1-3/4" 4-1/2" x 1-3/4"	N/A N/A N/A
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390/5 460/5 500/5 550/5 600/5 205/6 230/6 255/6 280/6 310/6 340/6 360/6 390/6 460/6 500/6 550/6 600/6 205/8	5' x 1-3/4" 5' x 2-1/8" 5' x 2-1/2" 5' x 3-5/8" 6' x 3/8" 6' x 1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8" 6' x 1" 6' x 1-1/4"	5' x 1-13/16" 5' x 2-1/4" 5' x 2-9/16" 5' x 3-3/8" 5' x 3-3/4" 6' x 1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8"	15.36 18.11 19.69 21.66 23.63 8.07	50 60 85 100 120	156 175 185 195	86 100	84			N/A
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500/5 550/5 600/5 205/6 230/6 255/6 280/6 310/6 340/6 360/6 390/6 460/6 500/6 500/6 205/8 230/8	5' x 2-1/2" 5' x 3" 5' x 3-5/8" 6' x 3/8" 6' x 1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8" 6' x 1" 6' x 1-1/4"	5' x 2-9/16" 5' x 3-3/8" 5' x 3-3/4" 6' x 1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8"	19.69 21.66 23.63 8.07	85 100 120	185 195					
550/5 600/5 205/6 230/6 255/6 280/6 310/6 340/6 360/6 390/6 460/6 500/6 500/6 600/6 205/8	5' x 3" 5' x 3-5/8" 6' x 3/8" 6' x 1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8" 6' x 1"	5' x 3-3/8" 5' x 3-3/4" 6' x 1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8"	21.66 23.63 8.07	100 120	195	1 100	95	52,800	7" x 2"	N/A
600/5 205/6 230/6 255/6 280/6 310/6 340/6 360/6 390/6 460/6 500/6 550/6 600/6 205/8	5' x 3-5/8" 6' x 3/8" 6' x 1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8" 6' x 1"	5' x 3-3/4" 6' x 1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8"	23.63 8.07	120			109	65,600	6" x 3"	N/A
205/6 230/6 255/6 280/6 310/6 340/6 390/6 460/6 500/6 550/6 600/6 205/8 230/8	6' x 3/8" 6' x 1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8" 6' x 1" 6' x 1-1/4"	6' x 1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8"	8.07		407	107	114	77,000	7" x 3"	N/A
230/6 255/6 280/6 310/6 340/6 390/6 460/6 550/6 600/6 205/8 230/8	6' x 1/2" 6' x 5/8" 6' x 3/4" 6' x 7/8" 6' x 1" 6' x 1-1/4"	6' x 5/8" 6' x 3/4" 6' x 7/8"		1 7 1/2	197 125	127 39	131 40	92,400 7,700	8" x 3" 2-1/2" x 1"	N/A 2" x 2" x 1/4"
255/6 280/6 310/6 340/6 360/6 390/6 460/6 550/6 600/6 205/8 230/8	6' x 5/8" 6' x 3/4" 6' x 7/8" 6' x 1" 6' x 1-1/4"	6' x 3/4" 6' x 7/8"		7-1/2	137	48	40	11,200	2-1/2 x 1 2-1/2" x 1-1/8"	2 x 2 x 1/4 2-1/2" x 2-1/2" x 5/16
280/6 310/6 340/6 360/6 390/6 460/6 500/6 550/6 600/6 205/8 230/8	6' x 3/4" 6' x 7/8" 6' x 1" 6' x 1-1/4"	6' x 7/8"	10.04	10	137	48	44	12,300	3" x 1-1/8"	3" x 3" x 3/8"
310/6 340/6 360/6 390/6 460/6 500/6 550/6 600/6 205/8 230/8	6' x 7/8" 6' x 1" 6' x 1-1/4"		11.02	12	148	59	58	15,600	2-1/2" x 1-1/2"	3-1/2" x 3-1/2" x 1/2
340/6 360/6 390/6 460/6 500/6 550/6 600/6 205/8 230/8	6' x 1" 6' x 1-1/4"	6' x 1"	12.20	20	148	59	58	17,200	3-1/2" x 1-1/2"	4" x 4" x 1/2"
390/6 460/6 500/6 550/6 600/6 205/8 230/8	6' x 1-1/4"	6' x 1-1/8"	13.40	36	167	67	70	26,800	4" x 1-3/4"	N/A
460/6 500/6 550/6 600/6 205/8 230/8		6' x 1-7/16"	14.17	36	167	75	72	29,700	4-1/2" x 1-3/4"	N/A
500/6 550/6 600/6 205/8 230/8	6' x 1-3/8"	6' x 1-1/2"	15.36	50	168	86	84	35,200	5" x 2-1/2"	N/A
550/6 600/6 205/8 230/8	6' x 1-3/4"	6' x 2"	18.11	60	187	100	95	57,200	7" x 2"	N/A
600/6 205/8 230/8	6' x 2-1/8"	6' x 2-1/4"	19.69	85	197	100	109	70,800	6" x 3"	N/A
205/8 230/8	6' x 2-1/2"	6' x 2-3/4"	21.66	100	207	107	114	83,600	7" x 3"	N/A
230/8	6' x 3"	6' x 3-1/8"	23.63	120	209	127	131	100,300	8" x 3"	N/A
	8' x 3/8"	8' x 7/16"	8.07	7-1/2	145	39	40	9,000	2-1/2" x 1"	2" x 2" x 1/4"
255/8	8' x 1/2"	8' x 5/8"	9.05	10	156	48	44	12,500	2-1/2" x 1-1/8"	2-1/2" x 2-1/2" x 5/16
000/0	8' x 9/16"	8' x 11/16"	10.04	10	156 168	48	44	13,600	3" x 1-1/8"	3" x 3" x 3/8"
280/8 310/8	8' x 5/8" 8' x 3/4"	8' x 3/4" 8' x 7/8"	11.02 12.20	12 20	168	59 59	58 58	17,400 21,600	2-1/2" x 1-1/2" 3-1/2" x 1-1/2"	3-1/2" x 3-1/2" x 1/2 4" x 4" x 1/2"
340/8	8' x 7/8"	8' x 1"	13.40	36	186	67	70	29,300	4" x 1-3/4"	N/A
360/8	8' x 1-3/16"	8' x 1-1/4"	14.17	36	186	75	72	32,600	4-1/2" x 1-3/4"	N/A
390/8	8' x 1-3/8"	8' x 1-7/16"	15.36	50	187	86	84	39,200	5" x 2-1/2"	N/A
460/8	8' x 1-5/8"	8' x 1-3/4"	18.11	60	207	100	95	61,600	7" x 2"	N/A
500/8	8' x 2"	8' x 2-1/8"	19.69	85	217	100	109	76,100	6" x 3"	N/A
550/8	8' x 2-1/2"	8' x 2-5/8"	21.66	100	227	107	114	91,500	7" x 3"	N/A
600/8	8' x 2-3/4"	8' x 2-7/8"	23.63	120	229	127	131	107,800	8" x 3"	N/A
205/10	10' x 5/16"	10' x 3/8"	8.07	7-1/2	164	39	40	9,900	2-1/2" x 1"	2" x 2" x 1/4"
230/10	10' x 3/8"	10' x 7/16"	9.05	10	176	48	44	13,600	2-1/2" x 1-1/8"	2-1/2" x 2-1/2" x 5/16
255/10	10' x 1/2"	10' x 9/16"	10.04	10	176	48	44	15,400	3" x 1-1/8"	3" x 3" x 3/8"
280/10	10' x 9/16"	10' x 5/8"	11.02	12	187	59	58	19,200	2-1/2" x 1-1/2"	3-1/2" x 3-1/2" x 1/2"
310/10	10' x 5/8"	10' x 3/4" 10' x 7/8"	12.20	20 36	187 206	59 67	58 70	23,800	3-1/2" x 1-1/2"	4" x 4" x 1/2" N/A
340/10 360/10	10' x 3/4" 10' x 1-1/16"	10° x 7/8" 10° x 1-3/16"	13.40 14.17	36	206	75	70	31,900 35,900	4" x 1-3/4" 4-1/2" x 1-3/4"	N/A N/A
420/10	10 x 1-1/16	10' x 1-3/16' 10' x 1-3/8"	16.54	50	207	86	84	42,900	5" x 2-1/2"	N/A N/A
460/10	10' x 1-1/2"	10' x 1-5/8"	18.11	60	227	100	95	66,000	7" x 2"	N/A
500/10	10' x 1-3/4"	10' x 1-7/8"	19.69	85	237	100	109	81,400	6" x 3"	N/A
550/10	10' x 2-1/4"	10' x 2-3/8"	21.66	100	246	107	114	99,000	7" x 3"	N/A
600/10	10' x 2-1/2"	10' x 2-5/8"	23.63	120	248	127	131	115,500	8" x 3"	N/A
205/12	12' x 1/4"	12' x 5/16"	8.07	7-1/2	192	39	40	11,000	2-1/2" x 1"	2" x 2" x 1/4"
255/12	12' x 3/8"	12' x 1/2"	10.04	10	203	48	44	17,000	3" x 1-1/8"	3" x 3" x 3/8"
310/12	12' x 1/2"	12' x 5/8"	12.20	20	215	59	58	26,000	3-1/2" x 1-1/2"	4" x 4" x 1/2"
340/12	12' x 5/8"	12' x 3/4"	13.40	36	234	67	70	34,300	4" x 1-3/4"	N/A
360/12	12' x 7/8"	12' x 1"	14.17	36	234	75	72	38,800	4-1/2" x 1-3/4"	N/A
420/12	12' x 1"	12' x 1-1/4"	16.54	50	235	86	84	46,600	5" x 2-1/2"	N/A
460/12	12' x 1-3/8"	12' x 1-1/2"	18.11	60	254	100	95	70,400	7" x 2"	N/A
500/12	12' x 1-5/8"	12' x 1-3/4"	19.69	85	264	100	109	86,700	6" x 3"	N/A
550/12 600/12	12' x 2" 12' x 2-3/8"	12' x 2-1/8" 12' x 2-1/2"	21.66 23.63	100 120	274 276	107 127	114 131	106,700 123,200	7" x 3" 8" x 3"	N/A N/A

- 1) Rated capacity to roll plate to 5x top roll diameter
- Capacities are based on carbon steel through ASTM Grade A-36.
- All data are approximate.
- N/A Not available
- The right is reserved to make changes in design, construction and specifications.

Other Machines from ROUNDO



4-Roll Plate Bending Machines

The standard range of 4-roll plate bending machines covers plate thicknesses of 3-100 mm (1/8" to 4") and widths of 1 000-8 000 mm (3' to 26').



Section Bending Machines

Largest selection of section bending machines on the market, with over 20 standard sizes.



R-16-S

Section Bending Machines

The larger sizes of section bending machines are designed also for bending I, U and H beams the hard way. R-16-S, the world's largest section bending machine, can bend up to HE 1000 (W-44") the hard way.



Quick Rolling Machines

Plate bending machines for large production runs of cylinders with cycle times as short as 10 seconds. For plate thicknesses up to 12 mm (1/2") and widths up to about 2 000 mm (6').



Flanging and Punching Machines

For flanging and punching cylinders in the same operation. Cylinder diameters of 350-3 000 mm (14" to 120") and plate thicknesses up to 8 mm (5/16").



Plate Straightening Machines

Straighten plates with thicknesses of 2-40 mm (0,074" to 1 $^{9}/_{16}$ ") and widths up to 4 000 mm (13'). Produced with 5, 7 or 9 rolls depending on tolerance requirement.

ROUNDO also produces: Beambenders, beading and joggling machines, welding positioners and other customized machines.



Exclusive North American Distributor:

Trilogy Machinery, Inc.

P. O. Box 70 Belcamp, MD 21017

Phone - 1-410-272-3600

Fax - 1-410-272-3601

www.trilogymachinery.com

sales@trilogymachinery.com



Roundo AB Box 171 SE-281 22 Hässleholm Sweden

Tel: +46 451 422 00 Fax: +46 451 824 04 info@roundo.com