



CE70H3DPCNC3



Ring Rollers
Max Capacity 3" Gas x 6 mm
Min Radius 600 mm



Ring roller with three driven rolls with dual independent regulation, suitable for bending variable radii.



Geometric figure preset's screenshot



FEATURES

- Machine shoulder in spheroidal cast iron to ensure stability and reduce vibrations during bending.
- Threated alloyed steel shafts to allow micrometric adjustment of the rolls.
- High repeatability
- Tie bar for central roll (upon request).
- Symmetrical and asymmetrical bends thanks to the independent movement of the shafts.
- Pre-shipment test to ensure customer satisfaction.
- Three controlled axes (X, Y, R) – two are interpolated.
- Two rotary encoders to control the X and Y axes.
- Photocell to make the zero on the tube/profile.
- Last generation encoder to control the linear movement with an innovative system to protect the encoder during loading of the tube/profile.

- High precision proportional valves for micrometric control of the axes.
- Roll speed adjusted by three inverter.
- Eight geometric figures preset and a program to edit a program manually.
- Material/profile database for a fast calculation of the bending radius.
- "Self-learning" function that stores each movement of the machine.
- Programmable length of the connections.
- MDI (Manual Data Input) function.
- Manual programming.
- Unlimited storage of programs (on USB key).
- Multilingual.

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Menu and preset options of the program

TECHNICAL DATA

Roll Shaft diameter	70 mm
Standard Roll diameter	260 mm
Max Center Roll stroke	na
Roll Shaft speed	8 rpm
Independent drive rolls	3 smooth
Voltage	380/220/440/480
Roll motors	3 x 1,1 kW
Hydraulic motor power	2 Kw
Machine mainframe	Cast Iron GS500
Piston force	2 x 70 000 N
Machine operating Position	Horizontal/Vertical
Center Roll positioning	Hydraulic
Machine body construction	Welded steel
Number of programs	unlimited on USB
Remote joystick control	Yes
Dimensions (w x h x l)	900 x 1380 x 1200 mm
Weight	1600 Kgs

MAXIMUM CAPACITY

Profile	Dim. (mm)	Wall thickness (mm)	Min. Rad (mm)
	3" Gas	6	600
	100	4	600
	80x80	3,2	1200
	100x50	3,2	1000
	120x60	5	1200
	100x50	3,2	1200
	120x60	3	1200
	60	/	300
	50x50	/	300
	60x60	/	500
	100x12	/	800
	140x30	/	350
	80x80	12	800
	80x80	12	1000
	120x80	10	600
	100x80	9	800
	UPN160x65	/	800
	UPN160x65	/	800
	IPN/IPE140	/	1200

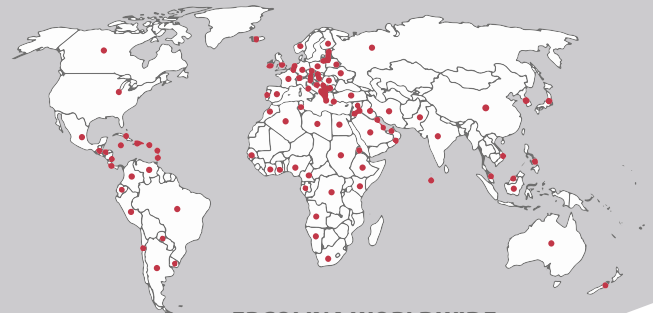
(*Based on materials with T.S. 42Kg/mm2(psi 60.000)- Y.P. 25 Kg mm2 (psi 36.000) and rolled with more passes)

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by



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