

Contact: A. Djokaj
Direct: +41 (0) 61 755 21 40
E-mail: adjokaj@haeusler.com

Duggingen, 20 July 2023

Quotation No.

Machine No 2141

1 used hydraulic 4-Roll-Plate Hot/Cold bending machine Type VRM-hy 3000.110.90 CNC

Brand HAEUSLER
Year of construction 1990
Type VRM-hy 3000.110.90

TECHNICAL DATA

Surface length of rolls 3'050 mm

Pre-bending capacity

Width of the plate 3'000 mm

Thickness of plate at yield point of 240 N/mm²
Pre-bending at max. width of plate and 3'500 mm
bending diameter 180/110 mm

Pre-bending length of 180/110 mm plate thickness X = 2,33 x s

Rounding capacity

Rounding at max. width of plate and 3'500 mm
bending diameter 180/110 mm

For further bending capacities see capacity chart no 3-790544-183020

Cone bending capacity:		
Continuous bending		approx. 50% of the pre-bending capacity
Press method		approx. 100% of the pre-bending capacity
Diameter of rolls:	top roll	780 mm
	bottom roll	750 mm
	side rolls	570 mm
Smallest possible bending diameter on top roll		900 mm
Number of rolls		4
Bearing type of all rolls		roller bearing
Max. force against top roll		12'000 kN
Roll material 65 Mn Cr Mo 4		heat treated to resistance of 900 – 1'000 N/mm ²
Driven rolls		2 (top and bottom roll)
Rolls drive		hydro-motors
Operating speed		2 + 4 + 5,6 + 7,2 m/min
Speed compensation between top and bottom roll		automatic
Roll adjustment		hydraulic
Tilting of bottom and both side rolls for cone bending		stepless from the mobile control desk
Tilting of the hinged front bearing housing		hydraulic
Tilting of the top roll		hydraulic
Control		central, from the mobile control panel
Indication of the side roll position		4 x digital, reading accuracy 0,1 mm
Indication of the bottom roll position		2 x digital, reading accuracy 0,1 mm
Installed power		2 x 90 kW (180kW)

Weight of the machine

approx. 130 t

Machine notes

- Automatic pressure compensation between top and bottom roll
- 2 driven rolls
- Central lubrication automatic
- Backlash break for rotation of rolls
- 4 digital displays for side roll position
- 2 digital displays for bottom roll position
- Safety against over load of the machine
- Electric safety against open bearing when bottom roll is under pressure
- Electric safety to avoid movement of bottom roll during open bearing
- Mobile control
- Air cooling of the hydraulic oil
- Bending pressure of bottom roll adjusted by control

Accessories

- Cone bending device
- Gas accumulator for running across a welding seam during calibration of welded cylinders with a max. seam height of 2 x 3 mm
- Upper cylinder supporting device, hydraulic height adjustable
hydraulic rotatable
for max. bending diameter 4'500 mm
max. carrying force 100 kn
- 2 side cylinder supporting devices with 4 supporting roller
- 1 mobile infeed roller table

DELIVERY TERMS

Delivery time	immediately ex location Prior sale reserved
Payment	in advance
Price	free truck loaded, without packing and insurance INCOTERMS 2010 Erection and commissioning not included Machine as seen

HAEUSLER AG Duggingen
Marketing & Sales

NEUWE TECHNIK



A. Djokaj