

## Tube bending machine

### Provar 5 Axis

#### SERIES 35

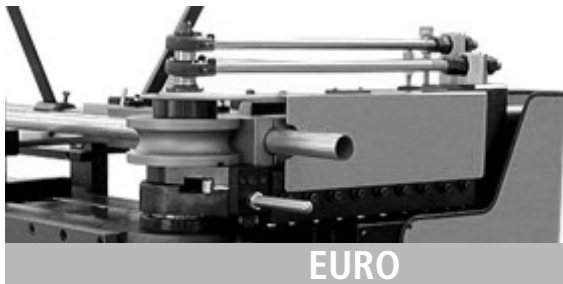
The PROVAR 5 Axis Series 35 is a fully automatic, 3 axis tube bending machine: bending (Y axis), advancement (X axis) and rotation (Z axis). The PROFAST Series 35 can bend tubes up to 35 mm in diameter and lateral movement of the positioner and the mandrel (axes B1 and B2).

The PROVAR 5 Series 35 can bend tubes up to 35 mm in diameter and has two levels of equipment per fixed and variable radius or two different fixed radii.

The following are fitted as standard:

- heat exchanger;
- early mandrel extraction;
- automatic mandrel lubrication.

## SERIE 35



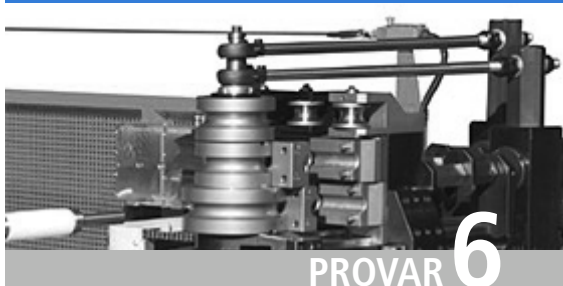
EURO



PROFAST

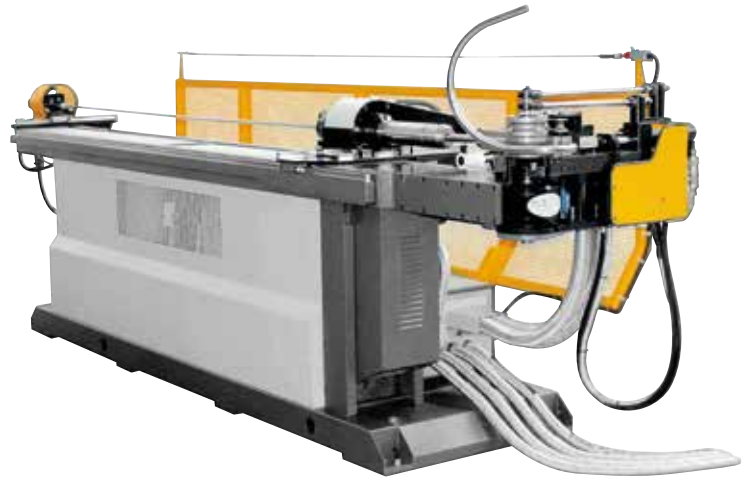


PROVAR 5



PROVAR 6

## DATA SHEET - PROVAR 5



FEATURES	U.M.	PROVAR 5
Y Max. bending speed	°/1"	150
Y Tolerance	+/- °	0.1
X Max. traverse speed	mm 1"	1000
X Tolerance	+/- mm	0.1
Z Max. gripper rotation speed	°/1"	540
Z Tolerance	+/- °	0.1
B1 Max. speed	mt/1"	24
B1 Tolerance	+/- mm	0.1
B2 Max. speed	mt/1"	24
B2 Tolerance	+/- mm	0.1
Weight	+/- Kg	3300

BENDING CAPACITIES	U.M.	PROVAR 5
Round tube R=42 Kg/mm <sup>2</sup>	mm	35x4
Variable curve R=42 Kg/mm <sup>2</sup> RM min 10 D	mm	25x2
Round stainless steel tube	mm	35x3
Round tube Alum. Brass Copper Alloys	mm	35x5
Square tube R=42 Kg/mm <sup>2</sup>	mm	30x30x2
Rect. tube bent easy way	mm	20x35x2
Rect. tube bent hard way	mm	40x25x2
Round bar R=42 Kg/mm <sup>2</sup>	mm	25
Square tube R=42 Kg/mm <sup>2</sup>	mm	20x20
Min. R.I. with normal axle	mm	≥25
Min R.I. special	mm	≤25
Max. R.M. with rolls	mm	200
Mandrel extraction stroke	mm	60
Max bending angle	°	195
Working length	mm	3450
Machine extensions	mm	1540

Machine features are indicative and not binding. Macri Italia s.r.l. reserves the right to make changes for the purposes of technical improvement.