

## Tube bending machine

### Provar 5 Axis

#### SERIES 65

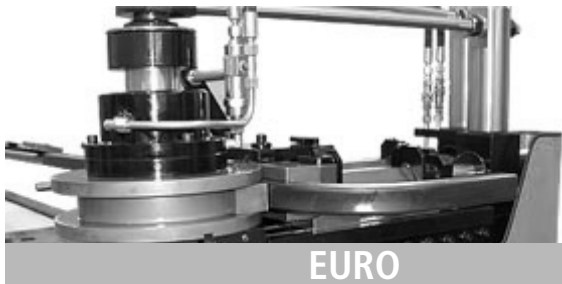
The PROVAR 5 Axis Series 65 is a fully automatic, 3 axis tube bending machine: bending (Y axis), advancement (X axis) and rotation (Z axis). The PROFAST Series 65 can bend tubes up to 65 mm in diameter and lateral movement of the positioner and the mandrel (axes B1 and B2).

The PROVAR 5 Series 65 can bend tubes up to 65 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 65



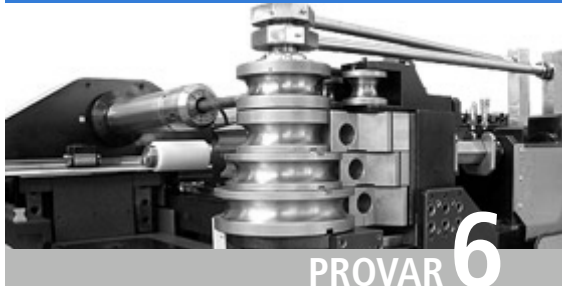
EURO



PROFAST

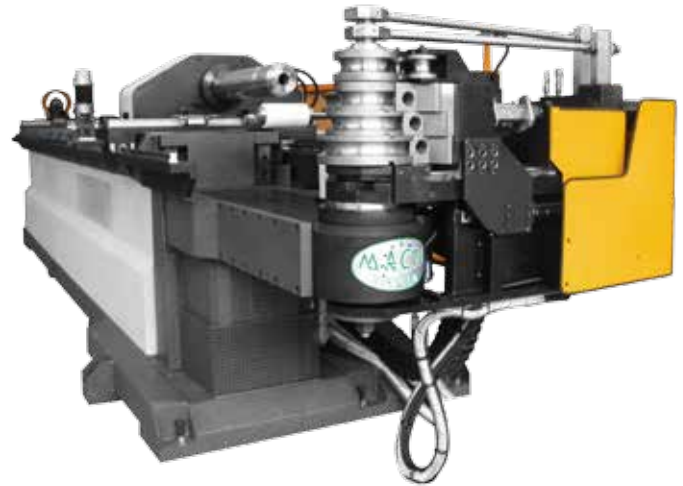


PROVAR 5



PROVAR 6

## DATA SHEET - PROVAR 5



FEATURES	U.M.	PROVAR 5
Y Max. bending speed	°/1"	80
Y Tolerance	+/- °	0.1
X Max. traverse speed	mm 1"	650
X Tolerance	+/- mm	0.1
Z Max. gripper rotation speed	°/1"	360
Z Tolerance	+/- °	0.1
B1 Max. speed	mt/1"	12
B1 Tolerance	+/- mm	0.1
B2 Max. speed	mt/1"	12
B2 Tolerance	+/- mm	0.1
Weight	+/- Kg	4800

BENDING CAPACITIES	U.M.	PROVAR 5
Round tube R=42 Kg/mm <sup>2</sup>	mm	65x4
Variable curve R=42 Kg/mm <sup>2</sup> RM min 10 D	mm	60x2
Round stainless steel tube	mm	60x3
Round tube Alum. Brass Copper Alloys	mm	65x5
Square tube R=42 Kg/mm <sup>2</sup>	mm	50x50x2
Rect. tube bent easy way	mm	30x60x2
Rect. tube bent hard way	mm	60x55x2
Round bar R=42 Kg/mm <sup>2</sup>	mm	35
Square solid R=42 Kg/mm <sup>2</sup>	mm	30x30
Min. R.I. with normal axle	mm	≥45
Min R.I. special	mm	≤45
Max. R.M. with rolls	mm	340
Mandrel extraction stroke	mm	80
Max bending angle	°	195
Working length	mm	3600
Machine extensions	mm	1560

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