

**DATA SHEET - PROVAR 6 U-D**

**TUBE BENDING MACHINES**

**PROVAR 6 U-D SERIES 45**

The PROVAR 6-45 U-D (Series 45) is a fully automatic, 6 axes tube bending machine: bending (Y axis), advancement (X axis) and rotation (Z axis). The PROVAR 6-45 U-D can bend tubes up to 45 mm in diameter and lateral movement of the positioner and of the mandrel (axes B1 and B2) and up-down movement of the head (axis A).

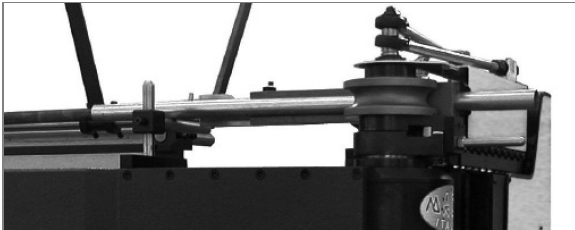
The PROVAR 6-45 U-D can bend tubes up to 45 mm in diameter and has two levels of equipment per fixed and variable radius or two different fixed radii.

The following are fitted as standard:

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



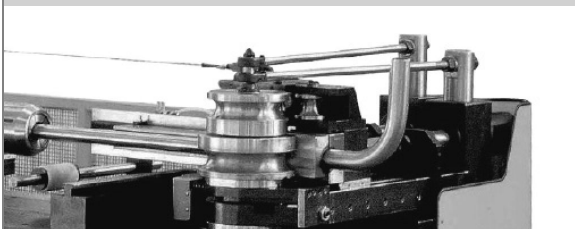
**SERIES 45**



**EURO CN1**



**PROFAST CN3**



**PROVAR 5 U-D**



**PROVAR 6 U-D**

FEATURES	U.M.	PROVAR 6
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"	450
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
A Max. speed	mt/1'	6
A Tolerance	+/- mm	0.1
Weight	+/- Kg	4500

BENDING CAPACITIES	U.M.	PROVAR 6
Round tube R=42 kg/mm2	mm	45x4
Variable curve R=42 kg/mm2 RM min 10 D	mm	35x2
Round stainless steel tube	mm	40x3
Round tube Alum. Brass Copper Alloys	mm	45x5
Square tube R=42 kg/mm2	mm	40x40x2
Rect. tube bent easy way	mm	30x45x2
Rect. tube bent hard way	mm	40x35x2
Round bar R=42 kg/mm2	mm	30
Square solid R=42 kg/mm2	mm	25x25
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.