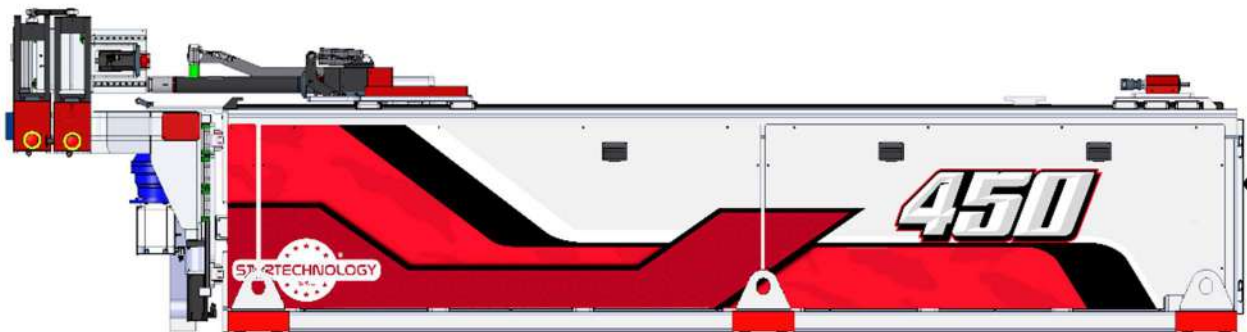


BENDING MACHINE



stargroup
PERFORMING TUBING



FULL BEND

450 • 650 • 800

INNOVATION AND TECHNOLOGY

FullBend is a line of tube bending machines designed to offer to the customer great flexibility, customization, and the right level of automation.

The electrical movement of the bending axes combined with the movement of the head allow to configure the right machine to customer needs. The extremely compact dimension of the bending head allows to bend parts with complex shapes which often require expensive right – left bending systems.

This tube bending machine line is suitable when high quality level of repeatability, combined with the high productivity, is required.

MAIN FIELDS OF APPLICATION

Aeronautics - Furniture - Automotive - Hospital



BENDING MACHINE



		450	650	800
Max diameter round tube mild steel	mm	45x3	65x5	80x5
Max diameter round tube Stainless steel	mm	35x2	60x3	76x2
Max diameter round tube Metal alloys (Alu- CU)	mm	50x3	90x2	108x2
Maximum bending radius	mm	240	320	320
Useful length over the collet	mm	3100	4200	4200
Useful length over the mandrel	mm	4400	6000	6000
Maxi passage bar diameter	mm	45	78	78
Number of controlled axes		4	4	4
Bending head height	mm	290	530	530
Height of bend die shaft	mm	240	360	360
Bending head length	mm	600	790	790
Bending head radius	mm	125	200	200
Operating power	V	220/400/480	400/800	400/800
Operating frequency	Hz	50/60	50/60	50/60
Max power	kW	18/27	30/50	30/50
Approximate weight	Kg	3400	7900	8200
Bending direction		Right	Right	Right

MAIN FEATURES

- Strong structure in electro-welded carpentry with electrical and tools cabinet.
- System management software (S.T.I) with simple, intuitive interface and 3D display of bended tube
- N. 7 brushless electric axes, controlled by CNC.
- System compliant with CE requirements thanks to safety systems with laser barriers and protections.
- Separate and ergonomic control pulpit with multitouch video.
- Multiple stacks with electrical movement of the bending head.
- The plant can be equipped with hydraulic unit for cutting, punching and marking
- Safety area adjustable according to different bending lengths.
- Remote assistance available.
- Possibility to bend round, square and special profiles.
- Quick interchangeability of the bending system: compression, generation and calandering.

ADVANTAGES

- Bending of complex shapes thanks to the compact dimension of the head.
- Bending head with interchangeable passing shaft in order to use preexisting tools.
- Excellent bending quality thanks to the wide range of accessories such as wiper die, shaped clamps, split bend die and mandrel lubrication system.
- Driver with regenerative systems with energy savings of up to 40%.
- Rigidity and precision of tool clamping due to irreversible closure.
- Flexible system thanks to the possibility of multi-stack and multi-radius bending tools.
- Quick setting time allows to change sectors without disassembling the collet's body thanks to quick bayonet coupling.