



HEAVY BEND

900 • 1200 • 1500

PRECISION AND POWER

The **HeavyBend** line is the right bending solution when extreme rigidity, structural strength and guaranteed repeatability are necessary.

The bending head movements provides an easier loading of raw materials and unloading of the finished parts. The direct transmission of the bending axis ensures optimal results even in the presence of high torque requirements.

Heavy Bend tube benders are also equipped with a DC Bus energy saving system with active regeneration of the electrical current, which guarantees energy savings of up to 40% of the absorbed powers.

MAIN APPLICATION FIELDS

- Automotive ■ Oil and Gas ■ Pharmaceutical ■ Shipyard ■ Furniture
- Zootechnic

BENDING MACHINE

Heavy bend

		900	1200	1500
Max tube mild steel round tube	mm	90x5	114x6	150x8
Max tube stainless steel round tube	mm	76x2,5	100x4	140x4
Max tube metal alloy (Alu-Copper) in collet	mm	108x2	130x3	180x10
Max bending radius	mm	300	450	450
Useful length over the collet	mm	4200	3700	3900
Useful length over the mandrel	mm	6000	6450	6750
Max passage bar diameter	mm	98	113	143
Bending head heights	mm	655	1120	1100
Bending head lengths	mm	500	390	550
Bending head radius	mm	200	320	515
Operating power	V	400/480	400/480	400/480
Operating frequency	Hz	50/60	50/60	50/60
Max power	kW	30/50	30/50	80/100
Approximate weight	Kg	8500	16000	17500
Bending direction		Dx o Sx	Dx o Sx	Dx o Sx

MAIN FEATURES

- Calendaring with boost function.
- Sturdy structure in electro-welded carpentry with integrated electrical cabinet.
- System management software (S.T.I.) with a simple, intuitive interface and 3D display of the bended tube.
- From 1 to 7 axes 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 14"/ 21" multitouch video according to the configuration.
- The plant can be equipped with hydraulic unit for cutting, punching and marking.
- Safety area adjustable according to different bending lengths.
- Remote assistance available.
- Quick interchangeability of the bending system: compression, generation and calendaring.
- Direct drive of the bending axis.

ADVANTAGES

- Wide range of profiles (round, square and special profiles).
- Absolute position repeatability due to irreversible toggle locking of with absolute positioning.
- Bending of complex shapes thanks to limited dimensions of the bending 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%.
- Mechanical predisposition to change the bending direction and to increase the useful length of raw material.
- 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.

