

CH-L

NC & CNC tube benders



Our **CH-L series** is the backbone of our tube and profile bending machines. Their rigidity, stability and untouchable precision in exceptional conditions such as humidity or harsh temperatures is what makes them stand out from the crowd.

Ranging from **35mm** up to **120mm** OD these machines are suited for use in a wide range of pipe manufacturing sectors and industries. Available in different versions, there's NC1, NC2 and fully CNC, where all three axis are automatic in a single stack machine. There's also the option to add welding detection, punching/cutting mechanisms and integrated loading and unloading systems if necessary.

The **CH-L series** comes equipped with the AMOB NC touchscreen easy-to-operate controls, or in the CNC version, with the latest user-friendly AMOB 3D bending software. This stores tooling configuration, allows spring-back compensation and boasts anti-collision technology, amongst other features.

These multi-faceted models are easy to operate and suitable for almost all types of applications and industries.



CH60CNC

- Direct acting clamp die cylinder
- Tooling withdrawal system
- Mandrel rod storage
- Single stack



CH120CNC-B

- Tube back feeding sensor
- Booster bending
- Compound tooling



Booster bending

The pressure die assist/booster cylinder is integrated into the pressure die carrier head.



Serpentine tooling

Designed to exact centerline radii specifications requiring continuous 180-degree plane change.



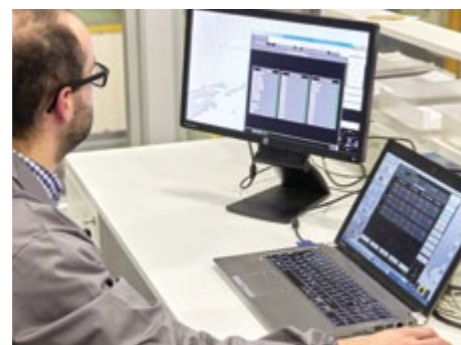
Compound Tooling

Machined tube groove matching the contour of the previous bend.



3D imaging devices connection

Allows easy CAD comparison, dimensional analysis and reverse engineering.



Online diagnosis

AMOB CNC models permit online safe access for online diagnosis.



Special propose tooling

On request CH-L series may be equipped with punching unit.

Technical specifications

	CH-35	CH-42	CH-60	CH-80	CH-120
Maximum capacity	Ø 35 x 2 mm	Ø 42 x 2 mm	Ø 60 x 3 mm	Ø 80 x 3,5 mm	Ø 114,3 x 8,6 mm
X axis accuracy (CNC)	± 0,05 mm	± 0,05 mm	± 0,05 mm	± 0,05 mm	± 0,05 mm
Y axis accuracy	± 0,1 °	± 0,1 °	± 0,1 °	± 0,1 °	± 0,1 °
Z axis accuracy (CNC)	± 0,1 °	± 0,1 °	± 0,1 °	± 0,1 °	± 0,1 °
Maximum Bending Radius	125 mm	125 mm	220 mm	260 mm	340 mm
Machine Usefull Length	3000 mm	3000 mm	3000 mm	3000 mm	4000 mm

All data of the machines is not binding and may be subject to change without notice. Pictures are for demonstration purpose only.