

PRECISION CNC TUBE BENDING

FOR DEMANDING APPLICATIONS

Applications

- Construction and agricultural machinery.
- HVAC and refrigeration systems.
- Marine and shipbuilding components.
- Aerospace structural and fluid transfer systems.
- Railway and transportation infrastructure.

Materials

STAINLESS STEEL

MILD STEEL

Al
ALUMINUM

Ti
TITANIUM

INCONEL

+
+ MORE

Our facility specializes in high-precision tube assemblies for industries including aerospace, heavy machinery, HVAC, marine, and agriculture. Using advanced equipment and software, we deliver exceptional accuracy, repeatability, and efficiency across every project.

Capabilities | Benefits

High-Precision CNC Tube Bending: Bends tubes up to 2.17" diameter with tight radii and high speed for complex geometries in one cycle.

Variable Radius Roll Bending: Enables large-radius and complex curves, ideal for HVAC, automotive, and architectural uses.

Advanced 3D Scanning: Non-contact laser scanning ensures precise measurements and quality control.

Tube Inspection and Correction: Software-driven inspection and automatic machine adjustments maintain accuracy and integrate with CAD.



THE HOSE STORE by CHD

See it in Action

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TUBE FORMING

FORMED FOR DEMANDS

Applications

- Construction and agricultural machinery.
- Manufacturing.
- Oil and gas
- Marine
- Aerospace fluid transfer systems.
- Railway and transportation

Materials

CARBON STEEL

STAINLESS STEEL

At CHD, we deliver precision tube forming solutions for high-performance, high-pressure applications. From CNC bending to Walform® hydraulic forming, our services ensure accurate, leak-free, and repeatable results. Built for demanding environments, our capabilities support industries where reliability is important.

Capabilities

Cold forming process
Creates a 100% form-fit mechanical connection at the tube end without heat or welding.

Precise tube end forming
Uses WalformConnect machines for repeatable, accurate forming on steel and stainless steel tubes (typically 6–42 mm or ¼"–1.65").

Compatible with DIN 2353 fittings
Standardized connection system used widely in hydraulic applications.



Enhanced Safety
Eliminates the need for welding, reducing thermal hazards and ensuring consistent sealing integrity

Leak-proof sealing with soft seal or metal-to-metal contact
Tailored sealing options for different pressures and fluid compatibility.