

CNC CONTROLS



FastBEND-2D

- Graphical visualisation of 2D-profiles with thickness.
- Generation and execution of 2D-programs.
- 2D-view of the bending steps + zoom function.
- Collision detection.
- Importing of 2D-programs (from HACO Bend-2D).
- Importing of complex 3D-programs (from HACO Bend-3D, no visualisation).



FastBEND-3D

- Graphical visualisation of 2D-profiles and 3D-parts with thickness.
- Generation and execution of 2D- and 3D-programs.
- 2D- and 3D-view of the bending steps + zoom and view-angle function (3D).
- 2D-unfolding.
- Dynamic collision detection with true shaped machine.
- Importing of 2D-programs (from Haco Bend-2D).
- Importing of complex 3D-programs (from Haco Bend-3D, with visualisation).

FastBEND-2D / FastBEND-3D

FAST

- Easy profile creation.
- Automatic calculation from solutions and bending sequences in real-time.
- Immediate CNC program generation (beam depth, force, back gauge position(s), retraction...).

OTHER USER FEATURES

- Automatic or manual mode.
- Programmable depth, angle or pressure.
- Tilt function beam.
- Absolute or incremental back gauge positioning.
- Jog on the back gauge axes.
- Material library with all available materials.
- Tool libraries (machine and Haco catalogue).
- Multiple languages.
- Importing of DXF (2D-sections!)

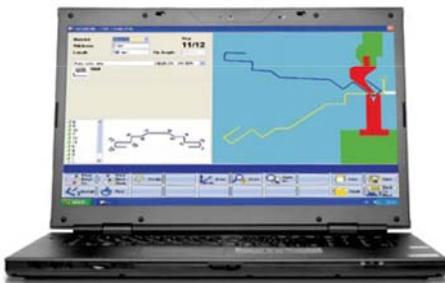
HARDWARE FEATURES

- 15" multicolour TFT flat screen.
- Durable industrial PC-based control.
- Windows environment, no mouse required.
- DC single-axis back gauge control (optional up to 16 controlled axes).
- Depth axis servo control.
- Auxiliary outputs.
- Built-in test routines and parameters.
- Network + offline possibilities.
- USB-connection.

OPTIONS FOR CONTROLS

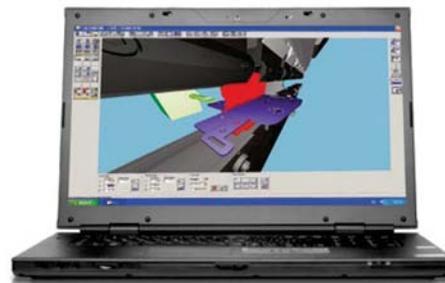
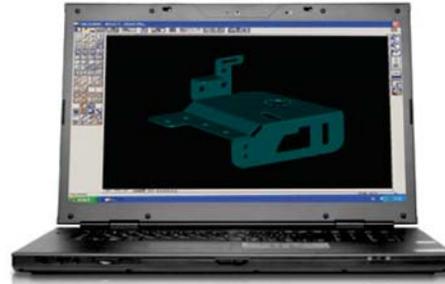
- Touch-Screen (FastBEND-2D-T and FastBEND-3D-T).
- Bar-code reader.
- Robot mode.

OFFLINE SOFTWARE



HACOBend-2D

- Windows based software.
- Parametrical drawing of 2D profiles.
- No more calculating while drawing profiles with TCC functionality (Take over Drawing Dimensions).
- Automatic, semi-automatic and manual calculation of bending sequence in 2D.
- Automatic collision detection with machine in 2D.
- Visual collision detection with true shaped 3D model of machine.
- Automatic and manual positioning of the finger position.
- Advanced macro programming.



HACOBend-3D

- Windows based software.
- 2D CAD drafting.
- Importing of dxf, iges, me10, hpgl 2D files.
- Importing of iges, step 3D files.
- Full 3D sheet metal CAD functionality.
- Manual, semi-automatic and automatic bend sequence.
- Dynamic collision detection with true shaped machine.
- Tool mixture possible.
- 3D shaped tools possible (horns, special tools).
- Calculation of flat layout with bending allowance.
- Automatic finger position calculation.
- Safety test to point out dangerous situations.
- Completely integrated in the Haco software program.

