HACO GROUP

ADVANCED TECHNOLOGIES, SINCE 1965

- Bending
- Robotics
- Cutting
- Shearing

With decades of experience and leading technologies, we are known for our high-quality customized solutions for sheet metal fabrication and machining. Whether laser cutting, bending or shearing, at HACO we offer precision, quality and innovation.

- Customized solutions
- Made in EU
- Global reach
- Local focus

Find out how we can take your bending projects to the next level and view our extensive portfolio of success stories.

Machinery Masterminds

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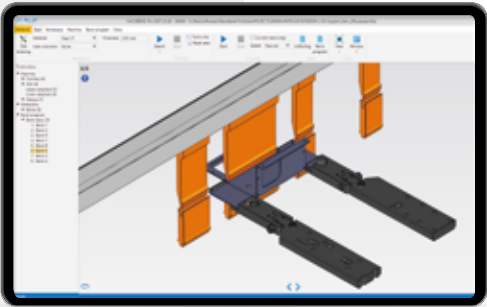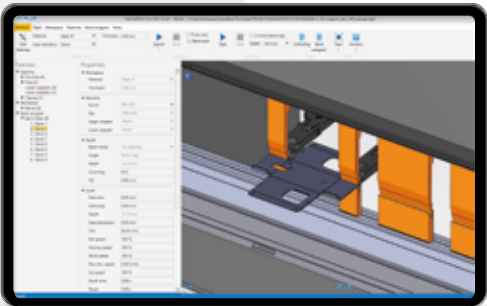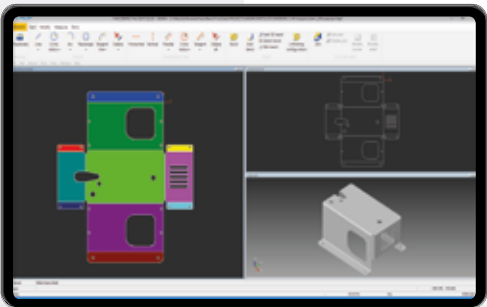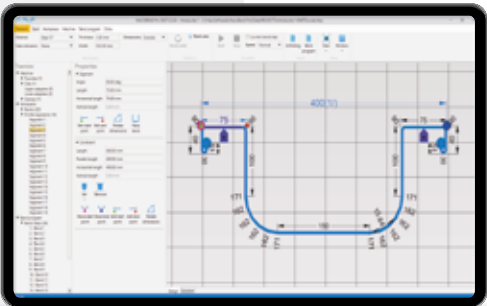+919996246805
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HACOBEND Pro
Bending Software

HACOBEND Pro

HACOBEND Pro is a software application for offline programming of press brakes and is available in a HACOBEND 2D and 3D version. **HACOBEND Pro 2D** offers an intuitive interface for easy 2D and parametric design, enabling swift creation of bending programs. **HACOBEND Pro 3D** goes further with integrated 3D CAD module and advanced features such as an automatic bend line detection, and specialized bends.
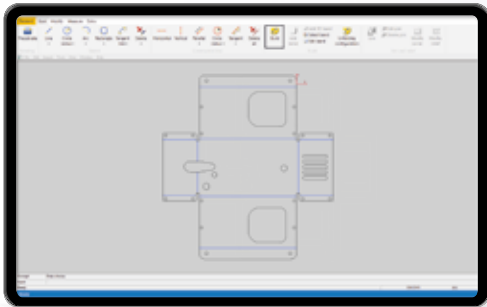

Features

2D/3D PART DESIGN

- Easy 2D profile design
- Parametric design
- Import of external 3D part file formats : IGS and STEP [i]
- Import flat DXF with layer filtering [i]
- Integrated CAD for 3D part design [i]
- Unfolding configuration library containing different bend types, corner notches, reliefs and joining types [i]

BENDING PROGRAM

- Efficient tool selection based on tool geometry, available tool segments, bend radius, material and sheet thickness [i]
- Automatic detection of common bend lines [i]
- Hemming bends with any kind of hemming tools
- Automatic and editable bend sequence calculation
- Automatic and editable backgauge position calculation + retraction of all axes
- Full 3D simulation of the bending process with operator part handling and collision detection between part, machine and tools
- Special bends: hemming bends, radius bending, false bends, Z-bends, manual bends [i]
- Side indication of material
- Integrated measure function
- Editable NC program
- Material, tool and adapter library
- Calculation of angle measurement system
- Calculation of sheet following system

UNFOLDING

- Bend loss calculation taking into account the material type, bend radii and bending tools
- Integration of the required corner cut-outs and reliefs
- Side indication of material

OUTPUT

- Native NC generation of bend part enables direct loading of programs into the press brake control
- Report file for the machine operator containing part info, machine setup and bend step information
- Unfolding of the part in DXF format

Programming with HACOBEND Pro allows

- reducing programming time
- recovering 3D files without redrawing of programming
- programming the machine in hidden time
- making the machine accessible to any operator by programming in the design office
- testing the feasibility of the part during the quotation stage
- automatic calculation of the unfolding
- avoiding material waste

Hardware

Requirement	Minimum	Recommended
Microsoft® Windows® edition	Windows® 10	Windows® 11
NET Framework (installed during setup)	4.8	
MySQL Server (option to install during setup)	8	
Processor (CPU) Type Apple Mac® machines are not supported	Core™ i5	Core™ i7 ou i9 de dernière génération
Memory (RAM)	16 GB	32 GB
Hard disk (available space)	10 GB	20 GB
Mouse or another pointing device	Two button + roller mouse	
Monitor resolution	1920 X 1080	
Graphics processing unit	1 GB dedicated video card	4 GB dedicated video card
Broadband internet connection for updates, remote support and floating license		

[i] = only 3D