



THE HACO SOFTWARE SUITE

HACOSOFT, HACOBEND & HACO LINK

The HACO Software Suite

The complete metalworking ecosystem
that puts a hold to re-entering production data



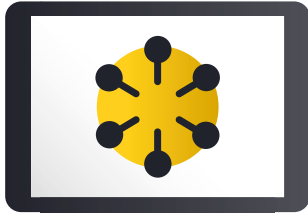
The three-hour assembly file

A customer sends a fifty-component assembly at 9 AM. By noon, you have manually identified which parts need bending, which go to laser cutting, and which are purchase items. Then you recreate that classification in order entry. Then again in nesting. Then once more for bending programs. Three hours spent entering the same information four different times. It may sound familiar, but how does this make any sense?

The HACO Software Suite eliminates this waste of time. Import the assembly once and the software handles everything automatically. Each module addresses specific production challenges while sharing data structures that make integration automatic rather than aspirational.

Within HACOSOFT Order management, you select modules matching your workflow, with the possibility to connect to your existing equipment using HACOLINK API, creating complete production visibility without forcing wholesale replacement of functional infrastructure.

1. HACOSOFT Order management



The system that connects everything

HACOSOFT Order management serves as your digital factory's central nervous system. Every module you deploy connects here automatically. Data entered once flows through your entire workflow without manual transfer..

Orders can be imported manually for custom work or automatically from external systems. Product data, drawings and production files are linked to each order, ensuring full traceability throughout the process..The system manages both limited stock, where actual inventory is tracked, and unlimited stock, where availability should not constrain planning or optimization. Production data is stored with complete details for reuse, supporting consistent and efficient workflows.

THE DIFFERENT MODULES THAT CONNECT:



HACOSOFT Assembly p. 4



HACO BEND Pro 2D p. 7



HACOSOFT Batch processor p. 5



HACO BEND Pro 3D p. 8



HACOSOFT Laser p. 6



HACOSOFT Robot bender p. 9



HACOLINK API p. 10

Extends integration to third-party equipment and enterprise systems.

Key capabilities

- > Manual or automatic order import via burn lists
- > Automatic DXF part drawing loading and linking
- > Limited and unlimited sheet stock management
- > Complete nesting record storage with modification capability
- > Automatic data updates after cutting operations
- > Cost calculation per product or nesting
- > Report files

1.1 HACOSOF Assembly



Automatic classification from CAD assemblies

Tired of spending hours manually sorting assembly components? Through the HACOSOF Assembly module, you can analyze complete assemblies in STP or IGS format automatically. Folded parts export as STP files for bending. Flat sheets become organized DXF files for laser cutting. Purchase components populate procurement lists. All from that single initial import. Generated parts lists flow directly into order management or batch processor, without manual transfers nor transcription errors.

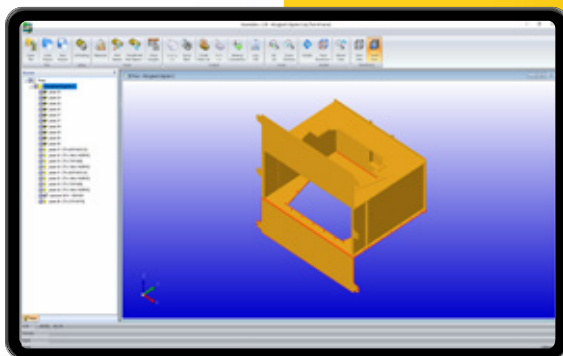
Engineering hours redirect from sorting components to optimizing processes.

PERFECT FOR:

Fabricators receiving complete assembly models rather than individual drawings, especially those processing architectural metalwork or equipment enclosures where manual sorting creates bottlenecks.

Key capabilities

- > STEP and IGES assembly import
- > Automatic component classification by manufacturing type
- > Automatic sorting by material type and thickness
- > STP export for folded parts with complete parts list
- > DXF export for flat sheets, organized by material when the material is defined in the STP file.
- > Separate purchase parts identification



1.2 HACOSOF Batch processor



Automated program generation for parts lists

Programming fifty parts individually consumes couple of hours. HACOSOF Batch processor handles complete lists automatically. The software module processes STP, IGS, and DXF files based on your machine configuration and tooling library, generating bending programs, unfoldings with accurate bend allowances, and comprehensive shop floor documentation.

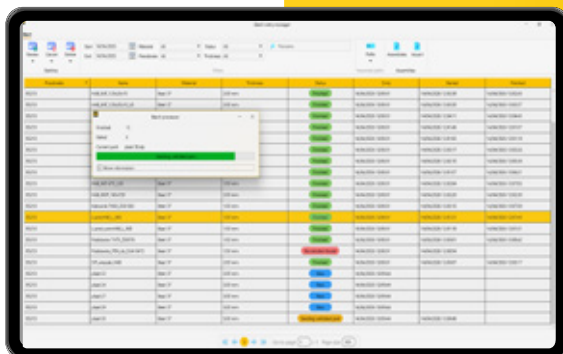
The outcomes? Consistent quality regardless of operator. Faster turnaround on complex jobs. Engineering capacity freed for actual problem-solving.

PERFECT FOR:

High-volume operations processing dozens or hundreds of unique parts weekly where manual programming creates capacity constraints and quality variations.

Key capabilities

- > Automatic import of STP, IGS, and DXF files
- > Automatic parts list loading from Assembly module
- > Automatic bending program generation
- > DXF unfolding with calculated bend allowances
- > PDF report generation for all parts



1.3 HACOSOF Laser



Intelligent nesting for laser cutting

Manual nesting forces impossible choices. Maximize material usage and cutting takes forever. Optimize for speed and you waste expensive sheet stock. Why choose when intelligent algorithms can evaluate thousands of arrangements simultaneously to find the optimal balance for each specific job?

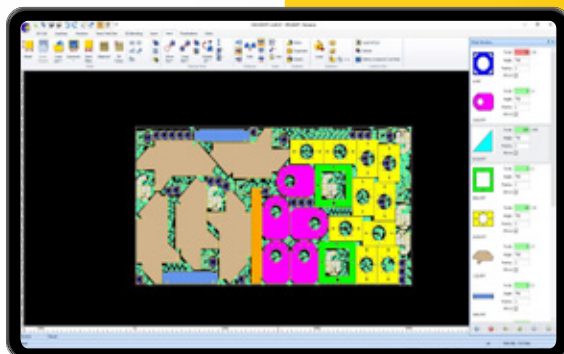
The intuitive interface of HACOSOF Laser enables fast geometry creation. Powerful CAM modules generate optimized cutting paths.

PERFECT FOR:

Operations cutting expensive materials where utilization improvement generates significant savings, or job shops handling diverse part mixes where priorities shift between waste minimization and throughput maximization.

Key capabilities

- > Intuitive geometry creation interface
- > Powerful CAM module for optimized cutting paths
- > Intelligent automatic nesting with priority balancing
- > Material waste minimization
- > Comprehensive reporting and cost analysis



1.4 HACOBEND PRO 2D



Offline press brake programming for 2D parts

Your press brake generates zero value while sitting idle during machine-side programming. Move that work to the design office. Preparation happens during hidden time. Machines stay productive running actual parts.

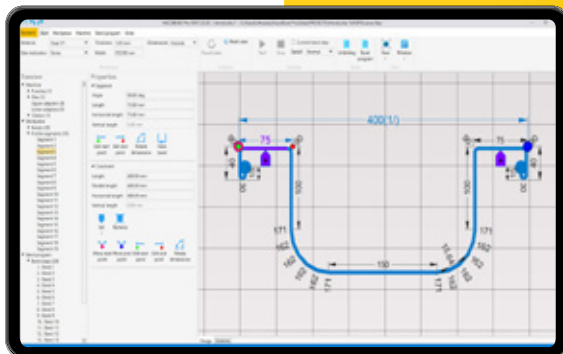
The interface of HACOBEND Pro 2D enables easy 2D design where dimensional variations propagate automatically. DXF files import without redrawing. Automatic unfolding accounts for your material properties and bending methods. You test part feasibility during quotation before committing to delivery schedules.

PERFECT FOR:

Fabricators running limited press brakes where machine downtime during programming significantly impacts daily capacity, especially those producing families of similar parts or quoting custom work requiring feasibility testing.

Key capabilities

- > Fast 2D and parametric design interface
- > DXF import without redrawing
- > Automatic unfolding calculation
- > Feasibility testing during quotation stage
- > Offline programming from design office



1.5 HACOBEND PRO 3D



Advanced programming for complex 3D components

Complex three-dimensional parts traditionally require manual bend line identification and specialized programming knowledge most operators do not possess. When you import STEP or IGES files, the integrated CAD module detects all bend lines automatically. It handles specialized geometries like hemming and offset forms that would normally demand extensive trial runs.

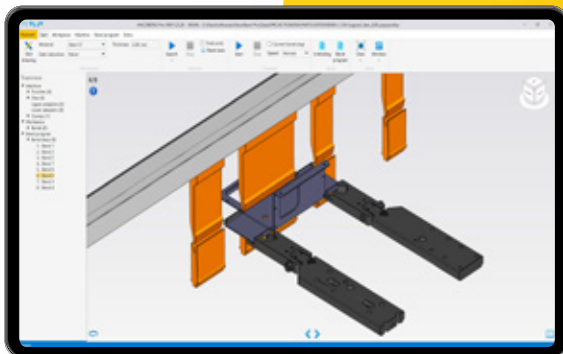
Complete 3D simulation verifies automatic generation of tool setup, automatic detection of collisions and identifies potential collisions before touching physical press brakes. This virtual validation prevents costly scrap. No more wasted setup time discovering programming errors during production runs.

PERFECT FOR:

Fabricators producing architectural components or equipment enclosures where simple 2D programming proves insufficient, or operations receiving 3D design files needing conversion to executable programs without manual redrawing.

Key capabilities

- > Integrated 3D CAD module
- > Automatic bend line detection from STEP/IGES files
- > Support for specialized bends including hemming and offset forms
- > Complete 3D simulation and collision detection
- > Automatic unfolding and material waste minimization



1.6 HACOSOFT Robot bender



Programming for robotic bending

Programming robotic bending cells typically requires specialized expertise, which creates dependence on external services for setup and modifications. The intuitive 3D interface of the HACOSOFT Robot bender software module makes even complex sequences accessible to experienced operators without advanced robotics training.

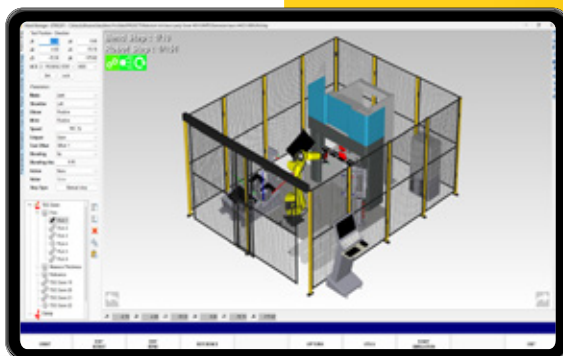
Comprehensive simulation models complete robot behavior. Picking operations. Part manipulation through multiple stages. Final placement. Collision detection identifies interference before physical setup occurs. The system generates perfectly synchronized press brake and robot programs automatically, eliminating coordination problems.

PERFECT FOR:

Operations running robotic cells for high-volume production where internal programming capability eliminates dependence on external services, or shops seeking to maximize cell utilization by preparing programs during hidden time.

Key capabilities

- > Intuitive 3D programming interface
- > Complete robot movement simulation
- > Collision detection and prevention
- > Automatic synchronized program generation
- > Picking and stacking pattern optimization



2. HACO LINK API



Connectivity for third-party

Your shop floor already runs equipment from multiple manufacturers. Your office uses an established ERP system. Replacing all that functional infrastructure just to achieve software integration makes zero sense.

HACO LINK API solves this by serving as the translation layer. The connectivity infrastructure sits between HACO's unified data architecture and whatever communication protocols your existing machines and systems use. External equipment sends and receives programs seamlessly. Enterprise systems query real-time production status. Customer portals access order information automatically.

All while HACO modules maintain that single source of truth eliminating redundant data entry across your complete operation.

CHOOSE WHAT YOU NEED, INTEGRATE WHEN READY

Each module integrates automatically through shared data structures designed for connectivity from the beginning. As requirements evolve and volume grows, additional modules add seamlessly without forcing wholesale replacement.

HACO LINK API extends this integration to existing third-party equipment, creating complete workflow connectivity while protecting current investments.





The HACO Software Suite

**One platform.
One data flow.
One connected production.**



ADVANCED TECHNOLOGIES, SINCE 1965
MORE THAN 30.000 MACHINES IN USE, WORLDWIDE, EVERY DAY



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

WWW.HACO.COM

HACO Offices:

HACO Belgium

Hogeschuurstraat 2
8850 Ardoois
Belgium
+32 51 26 52 00
info@haco.com

HACO France

Houssoye Activity Park
Rue René Laënnec
59930 La Chapelle D'Armentieres
France
+33 3 20 10 30 40
commercial@haco.fr

HACO Slovakia

Ulica 1. Mája 1850
031 80 Liptovský Mikuláš
Slovakia

HACO USA

11629 N. Houston Rosslyn Rd.
Houston, TX 77086
USA
+1 281 445-3985
sales.tx@hacoatlantic.com

HACO Australia

16 Argong Chase
Cockburn Central WA 6164
Australia
+61 0 8 9414 7382
sales@hacoaustralia.com.au

HACO India

Plot No. 122A, Sector 6
MT, Bawal, Distt. Rewari Haryana,
India, 123501
+91 99962 46805
sales@haco-india.com

This catalog is not a contractual document and only for illustrative purposes. HACO reserves the right to modify any specifications within this catalog without prior notice.