

NEW

HACO
GROUP

HACO
OPTIFORM 30150

OPTIFORM

Hydraulic Press Brakes

OptiForm – Efficiency reinvented

At HACO, we've gone back to the drawing board to redefine what an entry-level press brake should be. The result is **OptiForm** – a machine born from a complete bottom-up redesign, backed by more than 60 years of expertise in engineering, manufacturing, and servicing sheet metal solutions.

OptiForm brings together what today's fabricators need most:

- European-built quality and reliability
- Intuitive, user-friendly operation
- A budget-friendly investment
- Fast availability with two preconfigured models, delivered from stock

Whether you're upgrading to your first **press brake** or adding extra capacity to your workshop, OptiForm offers maximum return with minimum complexity. It's engineered for efficiency – not just in everyday use, but in installation, service, and production.

Compact.
Proven performance.
Budget-friendly.
Fast delivery.
A smart choice.
That's OptiForm.



> EASYBEND redefined for high-performance bending

Looking for faster, more precise bending without changing the workflow? The **new EASYBEND ontrol unit** keeps the familiar 2D MultiTouch interface, now paired with a larger 21.5" Full HD touchscreen, smoother touch response, higher processing power, and built-in **3D visualization** for clearer insight at every step.

Programming loads quicker, visualization is sharper, and every bend can be executed with consistent first-time-right precision, ensuring maximum efficiency on the shop floor.

> New design

The **OptiForm** features a fresh, modern look with a compact, lightweight footprint – yet it's built on a rigid, high-thickness welded steel frame for lasting strength and precision. Its lean design enhances production and assembly efficiency, improves transportability and reduces space requirements in your workshop.

Designed with ergonomics in mind, it offers a more comfortable operator experience and simplified servicing.



> Preconfigured

For fast delivery and reliable performance. At launch, the OptiForm is available in a 3-meter length with a 150-ton capacity.

The **OptiForm 30150** and **40250** come standard with a 2-axis X-R backgauge and manual crowning. The **OptiForm 30150+** and **40250+** are equipped with a 4-axis X-R-Z1-Z2 backgauge and CNC crowning for added precision and flexibility.

> New backgauge

The motorized backgauge significantly reduces adjustment time. Its fingers feature three contact surfaces to accommodate a wide range of part shapes while ensuring stable and accurate positioning. The **OptiForm** backgauge is designed to be more rigid and precise, minimizing deflection and flexing. It's also easy to maintain, service and adjust.

> Top tooling

The **OptiForm** is available with a 100 mm or 150 mm top clamp height. Choose the **ES Quick Clamp** for Europe to access the widest selection of tools on the European market, or opt for the **Universal Fast Clamp** for the U.S., ensuring full compatibility with both the US and European style tooling.

> Table

The OptiForm table is designed to accommodate a wide range of bottom tools. The tools are positioned and clamped easily and precisely every time.

> Safety

Fully CE-compliant, the OptiForm is equipped with a range of safety components to protect the operator and ensure efficient operation at all times.

OPTIFORM

Compact by design, solid by nature.

- ✓ **Maximized strength and efficiency** with a rigid welded steel frame.
- ✓ **Enhanced operator comfort** for ease during operation.
- ✓ **Exceptional flexibility** for versatile sheet metal bending.
- ✓ **Reduced maintenance** with a precise, low-maintenance backgauge.
- ✓ **Fast, seamless setup** for immediate production.
- ✓ **Intuitive control** for effortless operation and precision.

EASYBEND Control

NEW



The **HACO EASYBEND** is an advanced control system for press brakes, combining powerful 2D software and PC-based hardware to deliver high precision and flexibility. Programs can be created directly on the machine manually or automatically, or they can be generated using offline software. Designed for reliability, it integrates tool assignment, bending sequences, and CNC programming to ensure optimal performance.

Features

After drawing your workpiece, the software automatically generates a bending sequence and the position of the various axes, making programming your machine simple and quick. The EASYBEND also offers full manual control, including drawing, tool assignment, bending sequences, backgauge settings, and CNC program creation.

> Bending

- Automatic or manual operation
- 2D workpiece drawing and execution
- Programming bending angle, depth, or pressure
- Automatic force calculation
- Manual angle correction
- Jogging and manual adjustments for TDC, speed changeover point, dwell time, delay, back gauge retraction, clamping point, and auto-up with sync function
- Intelligent copy feature

> Program management

- Extensive management via Flash Card, USB, and network
- Network connectivity with PC or other networks
- Intelligent copy feature
- Program info and extensive counters (control time, pump time, etc.)
- Metric or Imperial units

> Advanced functions

- Step Previewer for bending visualization
- Smart Draft drawing method
- Automatic hemming and double bend features
- False bend function
- Stretched length calculation
- Manual and automatic step insertion

> Axis & control features

- Graphical axis page
- Programmable Beam Tilt and CNC controlled anti-deflection
- Programmable limits and finger height adjustment

> Tool management

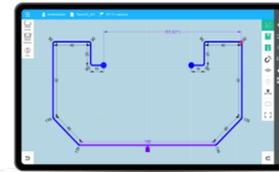
- Editable graphical tool database
- Tool import, editing, and auto-search
- Tool height calibration mode

EASYBEND CONTROL - Intuitive power, the HACO way

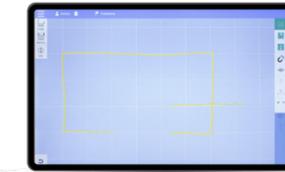
- ✓ **Effortless visual programming** - with the trusted HACO intuitiveness operators love
- ✓ **Automatic program generation** - save valuable time on both single parts and batch work
- ✓ **Accurate, flexible, and reliable** - for optimal results, every time

What's new?

Looking for faster, more precise bending without changing the workflow? The new EASYBEND software keeps the familiar 2D MultiTouch interface, now paired with a larger 21.5" Full HD touchscreen, smoother touch response, higher processing power, and built-in 3D visualization for clearer insight at every step.



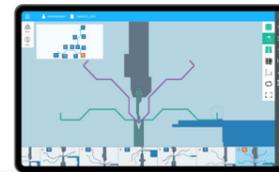
Point-to-Point drawing method, real-time bending solution calculation during building-up workpiece design



Smart Draft: innovative drawing method for 2D workpieces



Intuitive Interface combining numerical and graphical elements



Step Previewer: ability to visualize bending steps



Combined Icons: multiple functions on a single icon



Intuitive Interface with an overview of the program and the possibility of messages for the operator

Hardware specifications

Display	21.5" TFT Full HD 16:9 LCD with Resistive 5-wire Touch Project Capacitive Touch / Glass Only
Backlight Life	50,000 hrs LED Backlight Life
Resolution	Up to 1920 x 1080 (Full HD)
Brightness	300 nits
Frame	Designed with Aluminum Die-cast Front Frame
Protection	IP65 protected aluminum die-cast front
CDS	Convertible Display System (CDS) supported
Safety	UL, cUL, CB, IEC, EN 62368-1
Processor	Intel N97 Quad Core
Memory	8 GB RAM DDR5
Storage	128 GB SSD
Operating System	Windows 11 IoT LTSC Entry (supported till 2034)
Operating Temperature	-40 °C to 70 °C

Table

OptiForm has a 60mm groove to accommodate European Standard type bottom tools referred to as 'ES'.

Key advantages:

- Quick and precise positioning of tools.
- Compatible with 60mm tang width bottom tools.

OptiForm



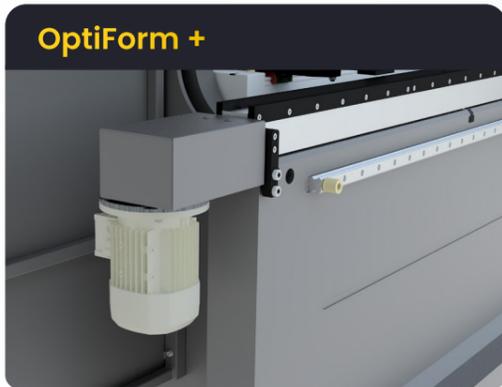
MANUAL CROWNING

The manual anti-deflection table crowns the table along the full bending length to compensate for the deflection of the frame and beam. It consists of a system made up of sloped wedges that are drawn or pushed using a crank. This results in a part with a constant angle along the entire length of the machine.

Additional advantages:

- Precise and consistent bending angle

OptiForm +



MOTORIZED CROWNING

The motorized Anti-Deflection table replaces the crank with a motor. The crowning device is directly linked to the EASYBEND control unit. The device automatically adjusts according to the choice of material, thickness, and length.

Additional advantages:

- Precise and consistent bending angle with no setup time
- Fully automatic

Top tool clamping

THE QUICK CLAMPING SYSTEM

OptiForm can accommodate standard European-type top tools known as 'ES'. This clamping system gives you access to a wide selection of top tools. For operator safety, the clamp's groove holds the top tool even when loosened. Attach standard length tools (415mm, 835mm) or sectionalized lengths.



Key advantages:

- Wide variety of top tools
- Quick top tool change without an Allen key.

Backgauge

OptiForm

BACKGAUGE X-R (2 AXES)

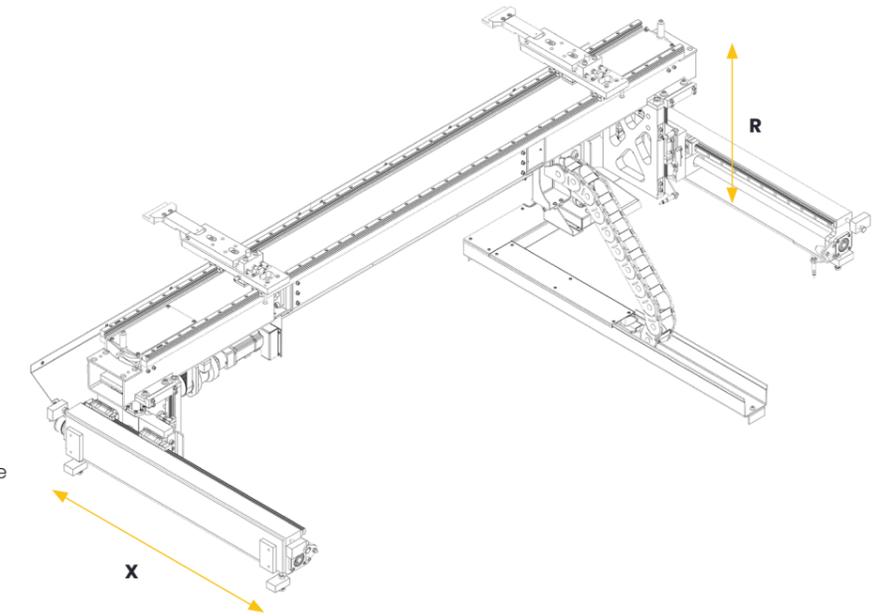
The XR backgauge of the OptiForm is made up of a rigid beam and two fingers. The depth (X) and height (R) are motorized and controlled by the CNC.

Stroke X: 600 mm, speed 400 mm/s
Stroke R: 200 mm, speed 62,5 mm/s

The fingers are manually adjustable along the length of the machine from the front. The fingers are equipped with 3 contact/support surfaces and are tiltable.

Advantages:

- Finger adjustment time is significantly reduced
- Set finger positions easily, bend an entire workpiece without shifting fingers



OptiForm +

BACKGAUGE X-R-Z1-Z2 (4 AXES)

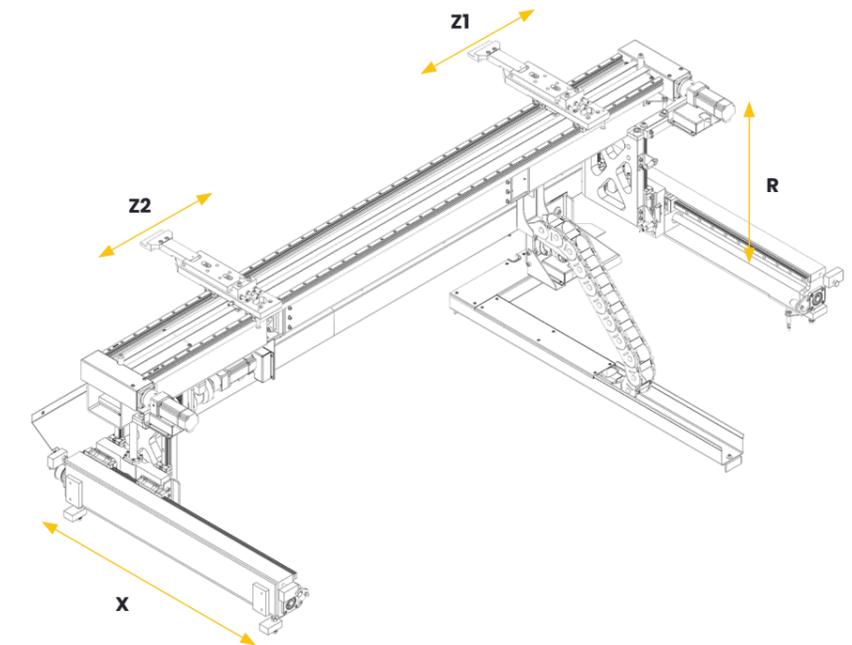
The backgauge X-R-Z1-Z2 has 4 motorized axes. In addition to depth (X) and height (R), the two fingers move independently along the length axis (Z). They are named Z1 and Z2.

Stroke X: 600 mm, speed 400 mm/s
Stroke R: 200 mm, speed 62,5 mm/s
Stroke Z1-Z2 axes: 1.000 mm/s

The fingers are equipped with 3 contact/support surfaces and are tiltable.

Additional advantages:

- No backgauge setup time
- Bend on tool sections of different lengths across the length of the machine.



Safety

OptiForm standard equipment



DSP SAFETY LASER

Multiple lasers observe the tip of the tool. The beam only descends if the laser receiver is unobstructed. For OptiForm CE-compliant machines, the laser is essential for operating at high speed. Its mutation point is located between 14 and 23 mm.

Advantages:

- Increased operator safety
- Increases bending speed



3-POSITION SAFETY PEDAL

The safety pedal has 3 positions and an emergency stop. If the lowering pedal is fully pressed, the beam will not descend.



SIDE DOOR

Two integrated doors are located on either side of the machine. They ensure that no one is behind the machine during the bending phase. The doors open to facilitate the extraction of top tools and deep workpieces. An electromagnetic switch ensures that the door is properly closed during operation.



SAFETY LIGHT CURTAIN AT THE BACK

Light curtains facilitate access to the backgauge while ensuring safety during the bending phase. A simple push button allows the light curtain to be reset to resume bending.

Accessories

NEW OPTIFORM FRONT SUPPORT ARMS

For handling workpieces, it is possible to add 420 mm length front support arms. The support arms are movable along the entire length of the machine and can be easily adjusted in height.

Advantages:

- Facilitates the handling of workpieces
- Easily adjusted and secured with strong, ergonomic, and lightweight clamping elements.



OTHER ACCESSORIES

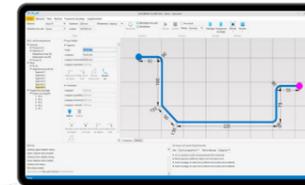
- Air-conditioned electrical cabinet
- 220V transformer

Offline software

Optional equipment

HACOBEND Pro 2D

With HACOBEND Pro 2D software, you can remotely create bending programs from your computer.



WORKPIECE DESIGN

You choose the material, thickness, and bending length. You simply draw the workpiece to be made point to point, indicating the various dimensions and angles. The software assists for specific bends like: stepped bends for radius, hemming, etc.

PROGRAM CREATION

Tools are offered based on usage habits, they can be modified. The software automatically calculates a bending sequence based on your workpiece. The sequence is calculated to avoid collisions and minimize workpiece reorientations. For each step of the bending sequence, the software programs the descent and the position of the backgauge axes. The user can change the bending sequence and finger position if needed.

PRODUCTION

You can open the program directly from your machine to start production.

OTHER FEATURES

- Automatic unfolding calculation with DXF export option.
- Print a manufacturing range to paper or PDF

ADVANTAGES

- Masked time programming
- Significantly reduced programming time
- Untrained operators can program the machine from the design office
- No need to calculate the unfolded sheet dimensions
- Test the feasibility of bending before the production phase

SPECIAL LAUNCH OFFER IN 2025 & 2026

6 months free HACOBEND Pro 2D license

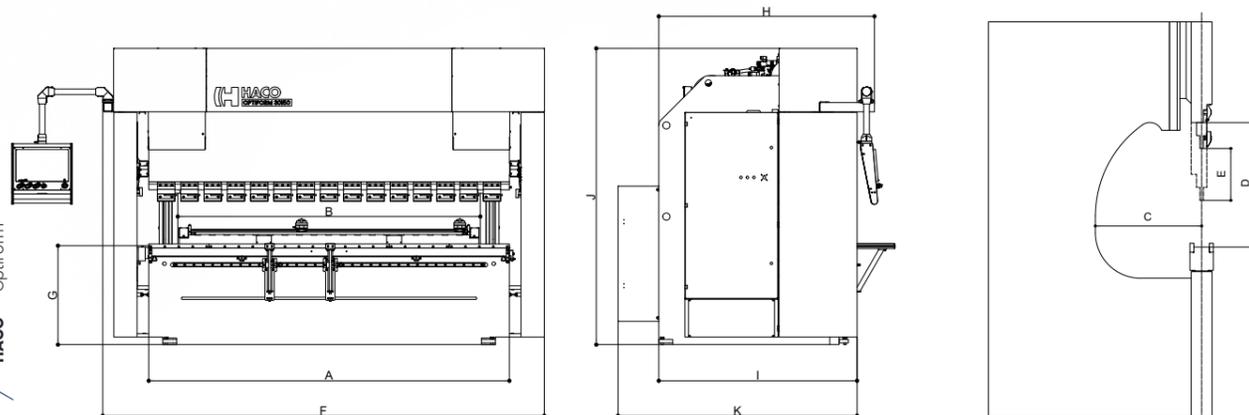
- ✓ Exclusively for OptiForm orders placed in 2025
- ✓ Offer subject to local availability and conditions
- ✓ Contact your local HACO representative for full details

Technical specs

Optiform	30150	40250		
Machine				
Press force	1500 kN	2500 kN		
Bending length	3100 mm	4100 mm	A	
Distance between side plates	2600 mm	3150 mm	B	
Maximum open height	480 mm	480 mm	D	
Effective open height	380 mm	380 mm		ES intermediate 100 mm
Table height	850 mm	900 mm	G	
Throat gap	400 mm	400 mm	C	
Main motor power	15 kW	18.5kW		
Crowning	MANUAL			
Crowning +	CNC			
Control unit				
Control system	EASYBEND			
Speed				
Y-axis fast down	180 mm/s	130 mm/s		
Y-axis work	10 mm/s	8 mm/s		
Y-axis return	125 mm/s	85 mm/s		
X-axis	400 mm/s	400 mm/s		
R-axis	62.5 mm/s	62.5 mm/s		
Z1/Z2-axis +	1000 mm/s	1000 mm/s		
Maximum axes travel				
Y-axis	200 mm	205 mm	E	
X-axis	600 mm	600 mm		
X-axis max. gauging distance	1000 mm	1000 mm		
R-axis	200 mm	200 mm		25 mm – 225 mm
Dimensions				
Width	3795 mm	4770 mm	F	
Height	2545 mm	2850 mm	J	
Depth	1705 mm	1930 mm	I	Without rear light guard
Depth	1855 mm	2080 mm	H	With control arm
Depth	2055 mm	2280 mm	K	With rear light guard
Weight	8300 kg	14000 kg		

HACO reserves the right to change any specifications without prior notice.

+ Optiform +



Product range

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.



THE HACO PRESS BRAKE RANGE *

- OptiForm
- SynchroMaster
- EuroMaster-S

THE HACO SHEARS RANGE

- TS(X)
- GSX
- HSLX HD



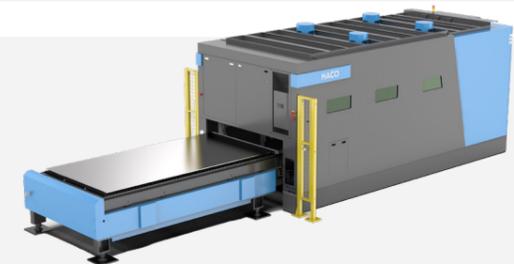
FLEX BEND AND ROBOT PROJECTS

At HACO, we specialize in delivering robotic solutions that combine automation with efficiency. Our HACO Flex Bend Robot bending cell is a compact and cost-effective system for bending small to medium-sized parts with top precision. Thanks to offline programming, it eliminates the need for robot teaching at the machine, enabling fast and seamless operation.

THE HACO FIBER LASER RANGE*

- HFL-C
- HFL-CE(W)
- HFL-CEG

* Available in a selection of countries



SERVICE & SUPPORT

Whether you need service for your metalworking machines, obtaining **essential tooling** and **spare parts**, performing **maintenance** or providing **training**; we are here for you. With a dedicated team and in-depth metalworking expertise, we guarantee expert support to ensure your machines perform at their best.

HACO Service promises

- Craftmanship and expertise
- Quick response
- Dedicated customer support

Reach out to us!





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

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