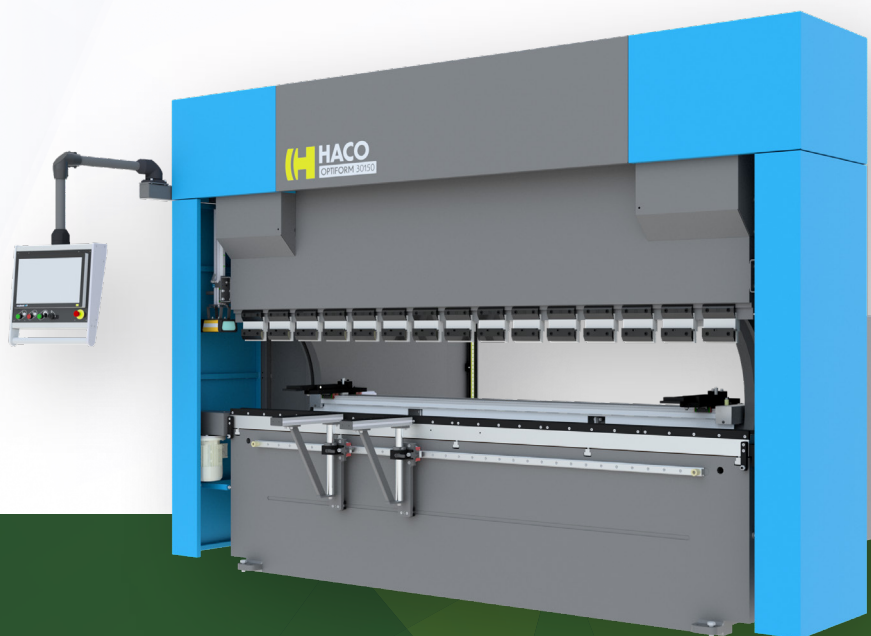
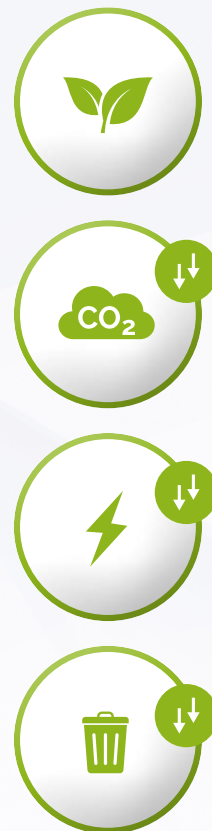


Eco-friendly benefits

Advanced forming,
reduced footprint



OPTIFORM

Hydraulic Press Brake

Advanced forming, reduced footprint

The HACO OptiForm is a new-generation hydraulic press brake that brings substantial environmental improvements over traditional hydraulic models. Equipped with energy-on-demand hydraulics, intelligent control systems, and a robust, operator-friendly design, the OptiForm enables manufacturers to **cut energy use, reduce emissions, and minimize waste**, while improving productivity and part quality.

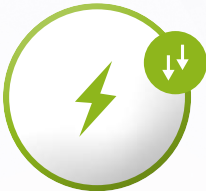
By replacing outdated press brakes with the OptiForm, manufacturers directly contribute to greener production goals in line with the European Green Deal and energy-efficiency support programs.



Energy Efficiency – Estimated Annual Savings

Older press brakes often run their hydraulic pumps continuously, regardless of machine activity. The OptiForm, by contrast, features a start-stop possibility, activating the system only when requested.

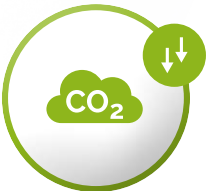
	Traditional hydraulic brake	HACO OptiForm
Operating hours/year	2.000 h	2.000 h
Average power draw	9–11 kW	7–9 kW
Annual consumption	~20.000 kWh	~16.000 kWh
Estimated savings		~4.000 kWh/year



CO₂ Emission Reduction

Using the EU average emission factor of 0,25 kg CO₂/kWh (Eurostat 2023):

- > 4.000 kWh saved/year × 0,25 kg CO₂/kWh
= **1.000 kg CO₂ avoided annually**
- > Over **15 tonnes of CO₂ saved per machine** over a typical 15-year life cycle



Less Cooling, Less Maintenance

The OptiForm's hydraulic unit is:

- > **Activated only when requested**
- > **Running cooler and quieter**
- > **Subject to far less wear and tear**

This reduces the need for:

- > **Cooling fans or oil chillers**
- > **Frequent hydraulic fluid changes**
- > **Emergency breakdowns due to overheating**

4

Higher Precision = Less Waste

Thanks to:

- > High-accuracy Y-axis and back gauge systems
- > Offline 2D programming
- > Minimal trial bending

the OptiForm dramatically reduces scrap material, improves first-time-right production, and shortens setup time—especially in short-run or custom jobs.



5

Durable, Ergonomic & Sustainable Design

- > Long-lasting LED lighting and user interface
- > Low hydraulic oil volume, sealed to prevent leakage
- > Lower noise and energy use enhance workplace comfort
- > Modular build = easier upgrades, longer lifespan

Conclusion

With up to 4.000 kWh of energy saved and 1 ton of CO₂ avoided per year, the HACO OptiForm is a responsible upgrade for manufacturers using outdated hydraulic bending technology. It's a future-ready solution that combines green impact with industrial performance—eligible for support under a wide range of European sustainability programs.

	Old Hydraulic Press Brake	HACO OptiForm
Energy consumption	High (motor runs continuously)	Low (start-stop)
CO ₂ emissions	High	Low
Idle power use	High	Minimal
Hydraulic cooling	Often needed	Rarely needed
Hydraulic oil usage	High volume, more leaks	Low volume, sealed system
Noise	High	Reduced
Maintenance needs	Frequent	Lower
Scrap material (trial & error)	Medium-high	Low
Component wear	Faster	Slower



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

Hogeschoolstraat 2
8850 Ardooie
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