HARSLE

Press Brake

EasyBend 10025

HARSLE BENDING DIVISION

ABOUT HARSLE

HARSLE is a Chinese professional manufacturer of press brakes, shearing machines, hydraulic press machines, power presses, ironworkers, and other metal-working machines. We follow innovations and grow together with our customers and we follow the developments in the industry and technology and support the development of creativity skills based on the principles of continuous learning, innovation, and improvement.

2006 — HARSLE was established in Nanjing.

2009 — HARSLE provides the turnkey solution for the metalworking fabrication.

2012 — HARSLE successively obtained CE, SGS, ISO9001, EAC and other related certificates.

2013 — HARSLE sales revenue has exceeded 10 million dollars.

2016 — HARSLE attended more than 10 overseas metalworking exhibitions.

2022 — HARSLE invested more money in the product design and customer service.

2025 — HARSLE built a new factory and expanded production, more than tripling capacity.

- Bending Division
- Shearing Division
- Laser Division
- Punching Division
- Forming Division
- Rolling Division

HARSLE

EasyBend 10025

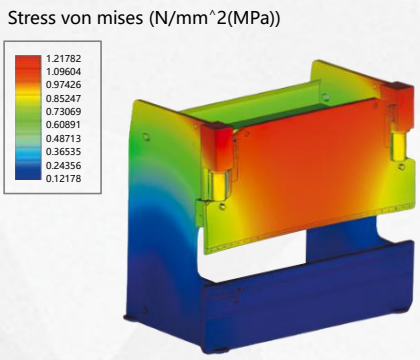
Activate Economic Solution...

HIGH-PRECISION

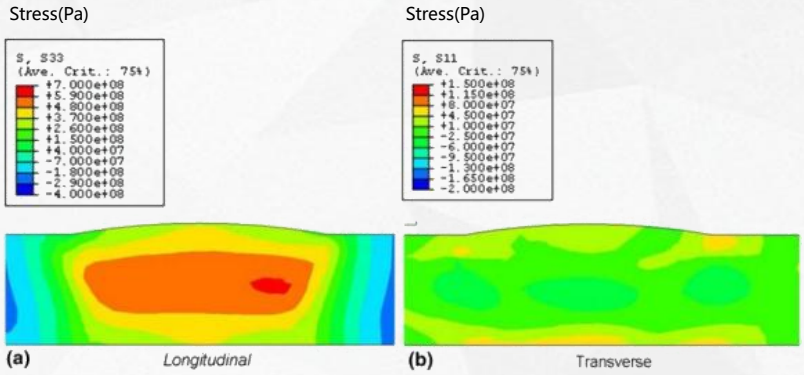
STRESS RELIEF

HARSLE press brake features a rigid frame for minimum deflection under the load. Machine welding is made by welding apparatus & welding robots. After the welding, we make a stress relief process by high-temperature tempering or vibration system to improve the mechanical properties of materials, reduce deformation and rebound, improve the stability and durability of the workpiece, and machine frame sensitivity is protected for a long lifetime.

Frame Stress Relief



Weld Residual Stress Relief



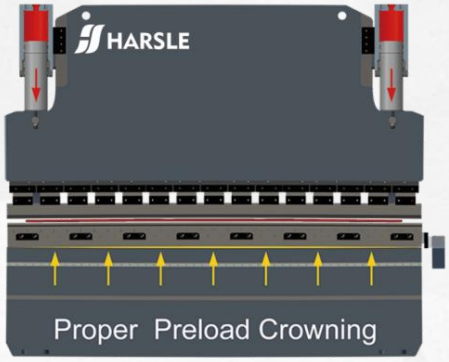
MACHINING PROCESS

The machining process can handle large workpieces due to their overhead structure and extended range of movement. It can be automated and integrated with CNC (Computer Numerical Control) technology, enabling efficient and consistent production to perform a wide range of machining tasks, including milling, drilling, cutting, and trimming.

HIGH-PRECISION

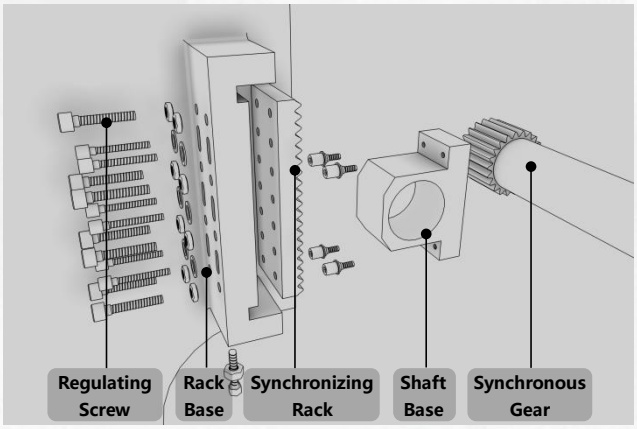
CROWNING TABLE *

The crowning table calculates the compensation value according to the overall deformation of the slider and the table surface. This allows the deformation curve of the bed to be seamlessly aligned with the compensation curve, ensuring the best straightness and angular consistency of our products.



RACK STRUCTURE

The design of the rack structure brings many advantages: excellent **friction reduction** and **long service** life, **high-speed movement** with little resistance, multi-point control provides **flexible operation**, **convenient clearance** adjustments and reduced maintenance requirements.



* Optional

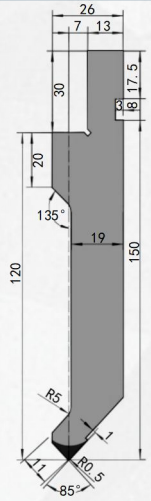
HIGH-PRECISION

PUNCH AND DIE

HARSLE provides you with targeted tooling to improve production efficiency, machining accuracy, and consistency, meeting different bending needs. One set of the following punch and die will be given for free, and other punches and dies will need to be purchased separately.

Standard Punch

FREE

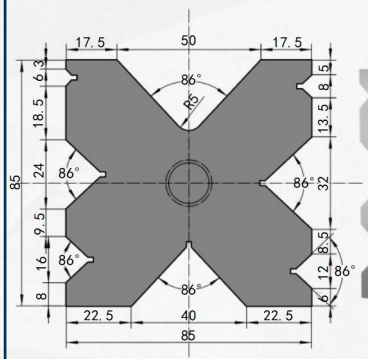


×2

×1

Multi V Die

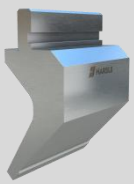
FREE



×1

For more punches and dies, please refer to the website link: https://tooling.harsle.com/

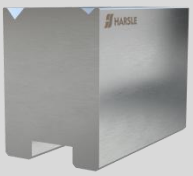
Additional Purchase Required

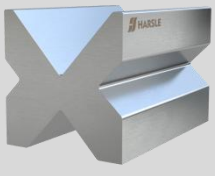

Gooseneck Punch

Standard Punch

Arrow Punch

Single V Die


Double V Die


4V Die

AUTOMATION

The application of automation technology in the bending process improves production efficiency, accuracy, and operational convenience, enhances the flexibility and responsiveness of production lines, brings efficient, accurate, and reliable production processes, and enhances the competitiveness and production efficiency of enterprises.

HARSLE

AUTOMATION

CONTROLLER SYSTEM

HARSLE press brake supports the following controller systems, including but not limited to them. If you have special needs, we can also upgrade your controller system to a higher configuration, to meet your custom needs.

Name	E21	E310P	HS-15T	CT8	DA-41Tx/42Tx
Picture					
Brand	ESTUN	ESTUN	HARSLE	CYBELEC	DELEM
Angle Programming	/	●	●	●	●
Pressure Control	/	/	●	●	/ ●
Crowning Control	/	*	*	*	/ ●
Program Storage	40/25steps	100/25steps	220/24steps	300/24steps	100/25steps
Touch Screen	/	●	●	●	●
Screen Size	3″	10″	15″	8″	10.1″
R-axis Control	/	*	*	*	/ ●
Two Servo Motors	/	●	●	●	●
Cable Tray Option	/	/	*	/	/

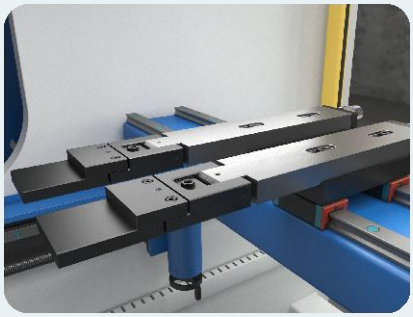
● Available / Unavailable * Optional

AUTOMATION

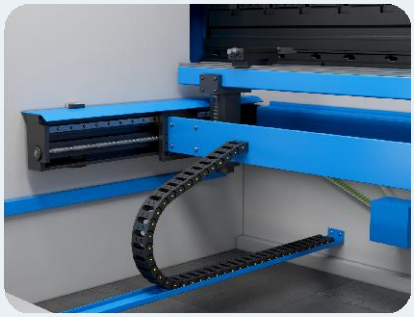
BACK-GAUGE SYSTEM

Manual R-axis

Stop Fingers



Automatic R-axis *



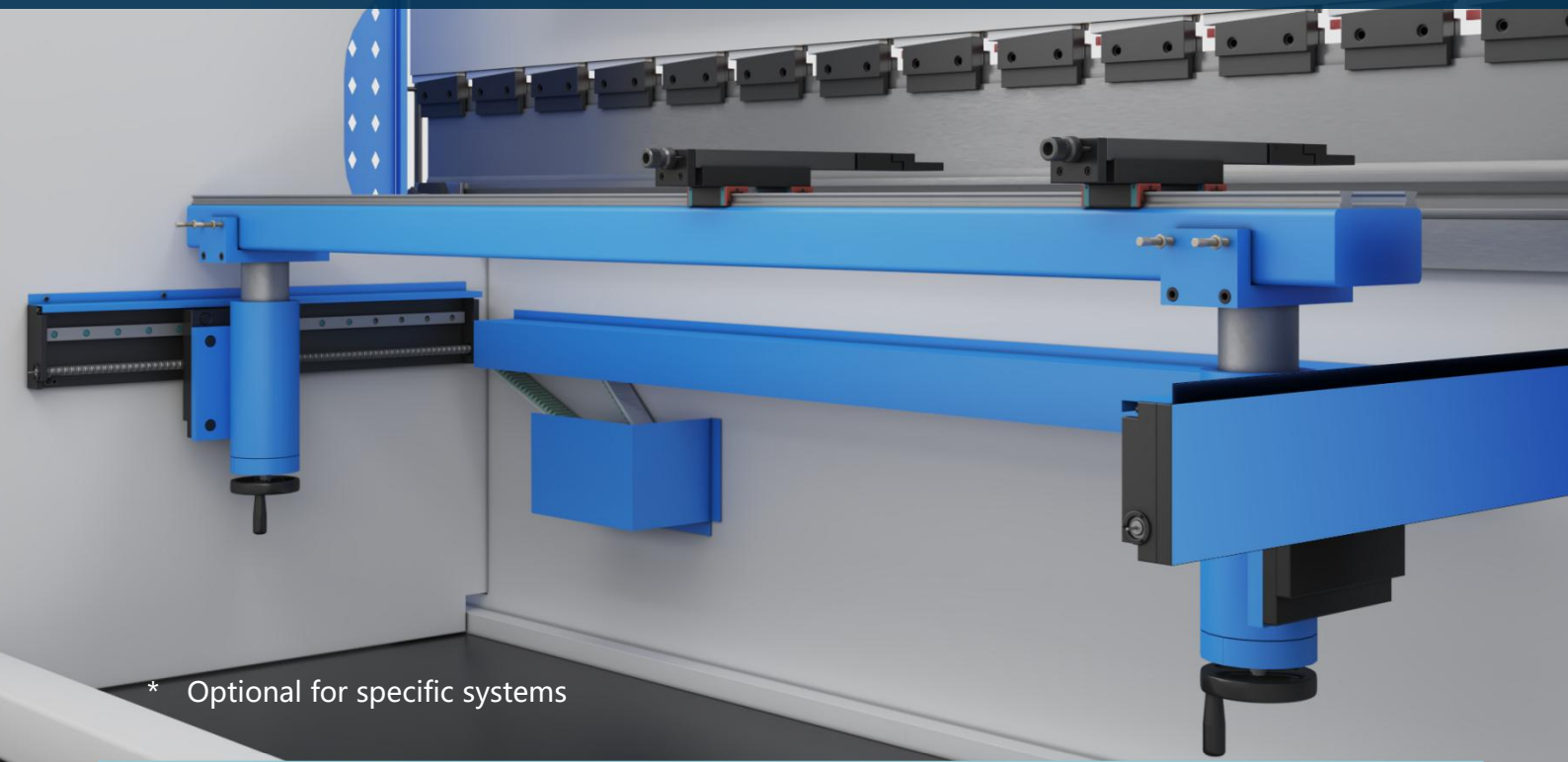
HARSLE press brake back-gauge system not only has an X-axis for back and front movement but also has a manual R-axis for up and down movement. When a better controller system is selected, an automatic R-axis is optional for more precise operations. Also, the convenient stop fingers can complete the orientation of the plate.

Manual height adjustment

Stabilized support

Robust material

Precise control accuracy



* Optional for specific systems

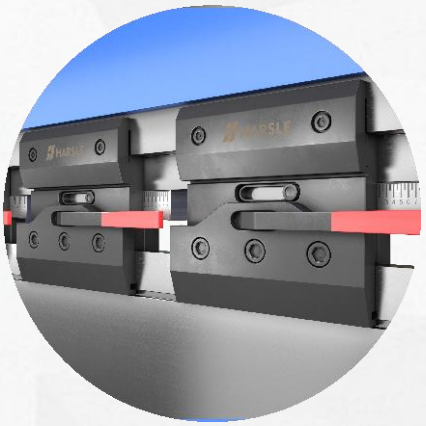
HARSLE

HIGH EFFICIENCY AND SAFETY

HIGH EFFICIENCY

FAST RELEASE CLAMP

HARSLE fast clamps can reduce the press brake tooling setup time on your existing machine by more than 30%. It can increase operator safety and working efficiency. It is important to maximize productivity on your existing press brakes. For higher efficiency, there are other optional clamps like hydraulic clamp and amada type tool clamp.

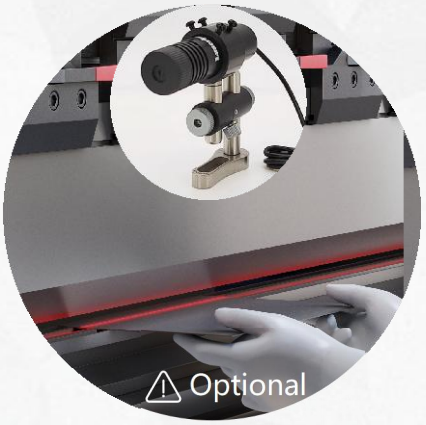


LINEAR GUIDE AND BALL SCREW

We provide you with the HIWIN linear guide and ball screw that can realize the front and back movement of the back-gauge system, to control the bending angle and position of the bending material. Through it, the press brake can achieve a high degree of precision and repeatability in the processing of bending material.

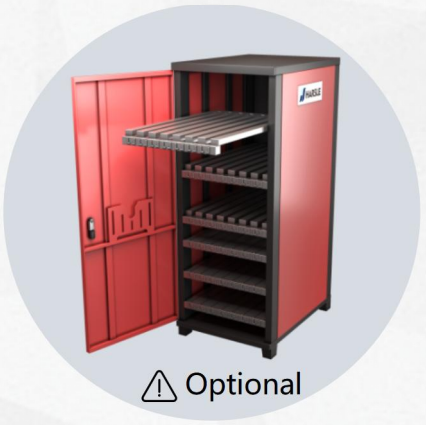
LASER ALIGNMENT TOOL *

This laser alignment tool utilizes lasers to project a visible beam onto the workpiece, providing a reference line that assists operators in aligning the material with precision. It can speed up the alignment process, reducing setup time and increasing overall productivity.



TOOLING CABINET *

HARSLE offers industrial-grade bending machine tooling cabinets with good quality and large capacity. We can customize a variety of sizes according to customer needs, such as small cabinets.



* Optional

SAFETY

SAFETY DOOR SWITCH

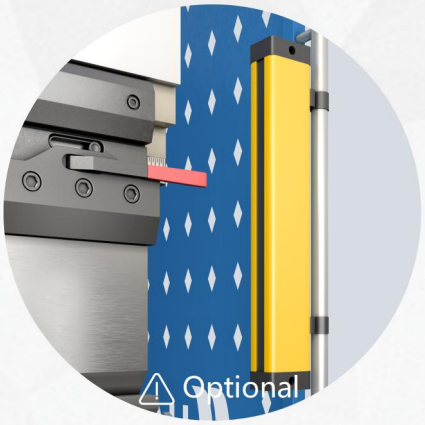
When the electrical cabinet door is opened, the safety door switch will automatically cut off the power supply to the electrical system, preventing personnel from coming into contact with live components and circuits.

FOOT SWITCH

By using the KACON foot switch, operators can respond quickly in the event of an unexpected situation and immediately step on the switch to stop the operation of the machine, thereby protecting the safety of the operator.

FRONT LIGHT CURTAIN *

The front light curtain system will immediately send a signal to trigger the press brake to stop or slow down to protect the fingers of the operators by transmitting and receiving optical signals to monitor whether people are entering or approaching this area.



LASER PROTECTION * NR12

The MSD laser protection uses a laser beam to create a detection area, and if an opaque object interrupts the beam, the control system stops the device. Thus fully protects the personal safety of the operator, to avoid the danger caused by the rapid movement of the press brake slider

* Optional

SAFETY

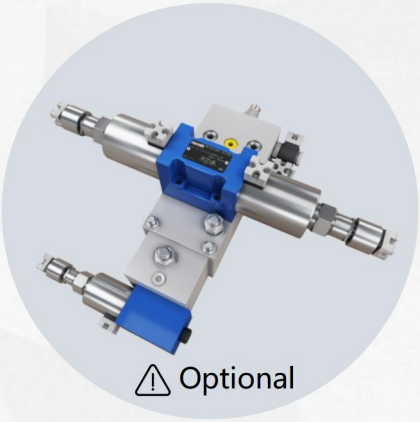
SAFETY PLC *

The Safety PLC ensures real-time hazard monitoring (e.g., die malfunction, overstroke) in press brakes. With programmable safety functions (emergency stop, light curtains, two-hand control) and self-diagnostics, it enhances safety and productivity.

⚠ Optional

MONITOR VALVE *

The monitor valve monitor and control the pressure and flow rate of the hydraulic system. When the pressure exceeds the set range, it will automatically trigger and maintain the pressure within the safe range by adjusting the flow rate or damping.



⚠ Optional

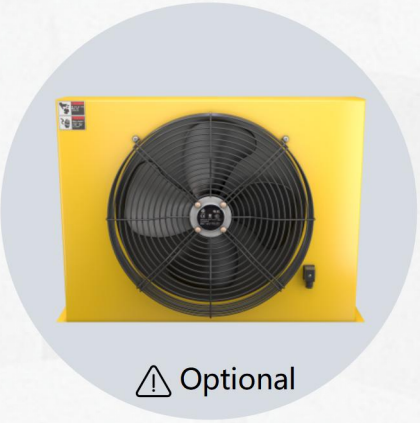
SAFETY GUARD SWITCH *

The safety guard switch can detect the opening and closing state of the guardrail door. When the guardrail door is opened, the power-off device will immediately cut off the power supply of the press brake to stop its operation, to guarantee the operators' safety.

⚠ Optional

OIL COOLER *

Oil coolers employ cooling fans and coolers to effectively lower oil temperatures, to ensure the hydraulic system's stability and optimal operation by maintaining suitable operating conditions for its components.



⚠ Optional

* Optional

CONFIGURATION

HARSLE always insists on selecting high-quality materials and high-performance configurations to ensure that our products are at a high level in terms of performance, durability and reliability.

1. System Controller	• ESTUN
2. Main AC Motor	• INNOMOTICS (SIEMENS)
3. Electric Parts	• SCHNEIDER
4. Hydraulic Valve	• REXROTH
5. Hydraulic Pump	• FIRST
6. Foot Switch	• KACON
7. Tubing Connector	• EMB
8. Ball Screw / Linear Guide	• HIWIN
9. Stop Finger	• HARSLE
10. Seal Rings	• NOK
11. Fast Clamp	• HARSLE
12. Punch And Die	• HARSLE
13. Light Curtain	* LNTECH
14. Safety PLC	* OMRON
15. Laser Protection	* MSD / LNTECH
16. Monitor Valve	* REXROTH
17. Oil Cooler	* WEIGUANG
18. Guard Door Switch	* SCHNEIDER
19. Crowning Table	* HARSLE
20. Tooling Cabinet	* HARSLE

• Standard * Optional