



Shaping your future

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Shaping your future



EuroMaster
▶▶ NEXT

Sustainable
bending solutions

Bending...

...has never been easier.



99%
IDLE SAVING

75%
EFFECTIVE
SAVINGS

ACCURL

E HYBRID

Speed
More
than
250mm/s

EuroMaster

» NEXT

ACCURL created the top level EuroMaster with **high-end specifications** and **execution**, with advanced motion technologies and **impressively quiet** with the integration of advanced safety equipment and options.



Manufacturing Efficiency, Energy efficiency, Ergonomics:

The EuroMaster Brake Hybrid 80-320T is an exemplary model of sustainable thinking in the Smart Industry. with the low operational costs and high energy efficiency characterise the new unique hybrid concept. A superior combination of hydraulics and electronics

Choose and configure your press brake
high-quality press brakes for the **more demanding taste**.

WARRANTY*
5 YEARS
ACCURL

DON'T SETTLE
FOR A STANDARD PRESS BRAKE,
CHOOSE A SUPERCUSTOM!

↳ Your production is unique,
and your tools must be **made to measure**.



INDUSTRY 4.0 READY

- < Connection to company LAN and ERP
- < Interface to other machine tools
- < Remote assistance and diagnostics



GREEN HYBRID SERVO

- < Up to 75% Energy Saving
- < Maximum CO₂ and oil reduction
- < Maximum return on your investment



HIGH PERFORMANCES

- < More than 35% higher productivity
- < Ram Speed 250 mm/s
- < Z-axis Speed 1000 mm/s



ENVIRONMENTALLY FRIENDLY

- < Considerably Reduced oil tank volume up to 95%

- > DELEM® DA60 SERIES Controller
- > DELEM® Profile Offline Software
- > Connection to company LAN and ERP
- > ePrAX Hybrid Servo System
- > 550mm* Daylight
- > 300mm* Beam Stroke
- > ACCURL® "WILA WAVE" WEDGE ULTRA CNC Corwinning Table*
- > Main Characteristics:
 - Approach speed: 210~250mm/s
 - Return speed: 200mm/s
 - Bending speed: 10~20*mm/s
- > ACCURL® SMART INNOVATION Industry 4.0
- > ACCURL® Products management *



AVAILABLE
FEATURES
AND OPTIONS



ePrAX[®] control

The servo eDrive

The ePrAX control hybrid system is an innovative servo drive for press brakes, and thanks to the brushless motor, we can precisely control the movement of the ram using a minimum amount of oil and energy. Improving energy efficiency of up to 73 % compared to conventional systems.



Maximum stamina!
↗ It bends and bends and bends



Lower energy consumption!
Quality ↗ Silent working mode ↗



Faster & more efficient!
Speed ↗ more than %95 Oil Save ↗



More faster-on-time!
Save time and costs.....↗

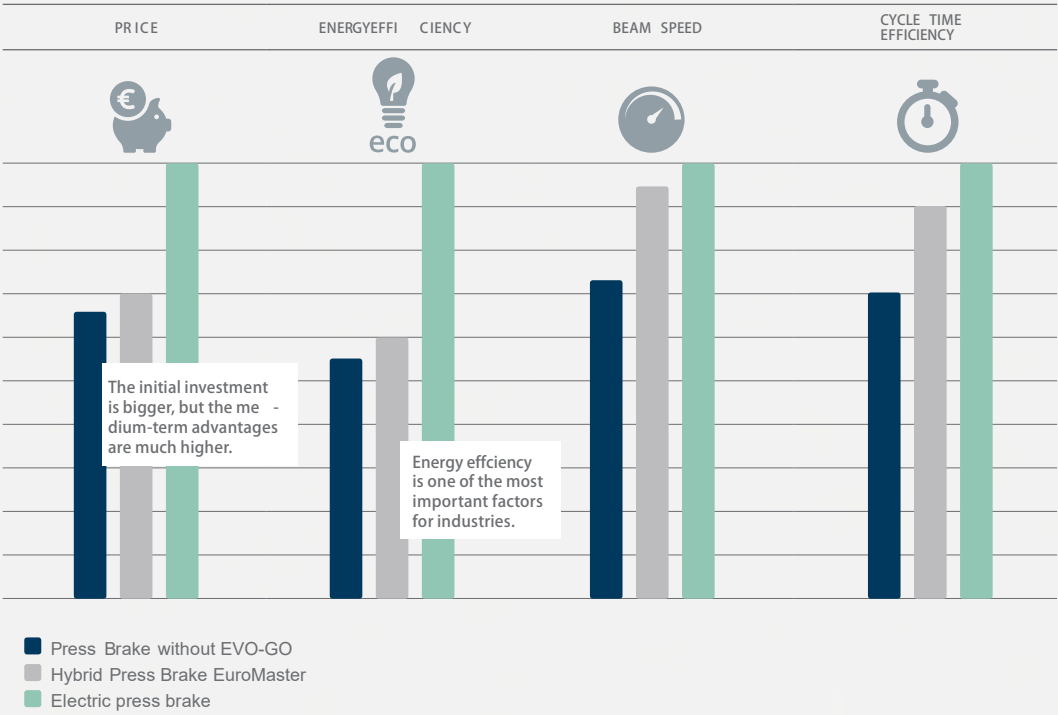
Test condition

Fast down speed :	230mm/s ±5mm/s
Working speed :	10mm//s ±5mm/s
Fast up speed :	200mm/s ±5mm/s
Cycle time including intermission:	10s
Stroke of fast down:	124mm ±5mm
Stroke of working speed :	6mm ±0.1m
Stroke of fast down :	124mm ±5mm
Total cycles :	500



/ COMPARISON

· The eB Ultra electric press brake provides greater profit the higher is the machine occupancy rate.

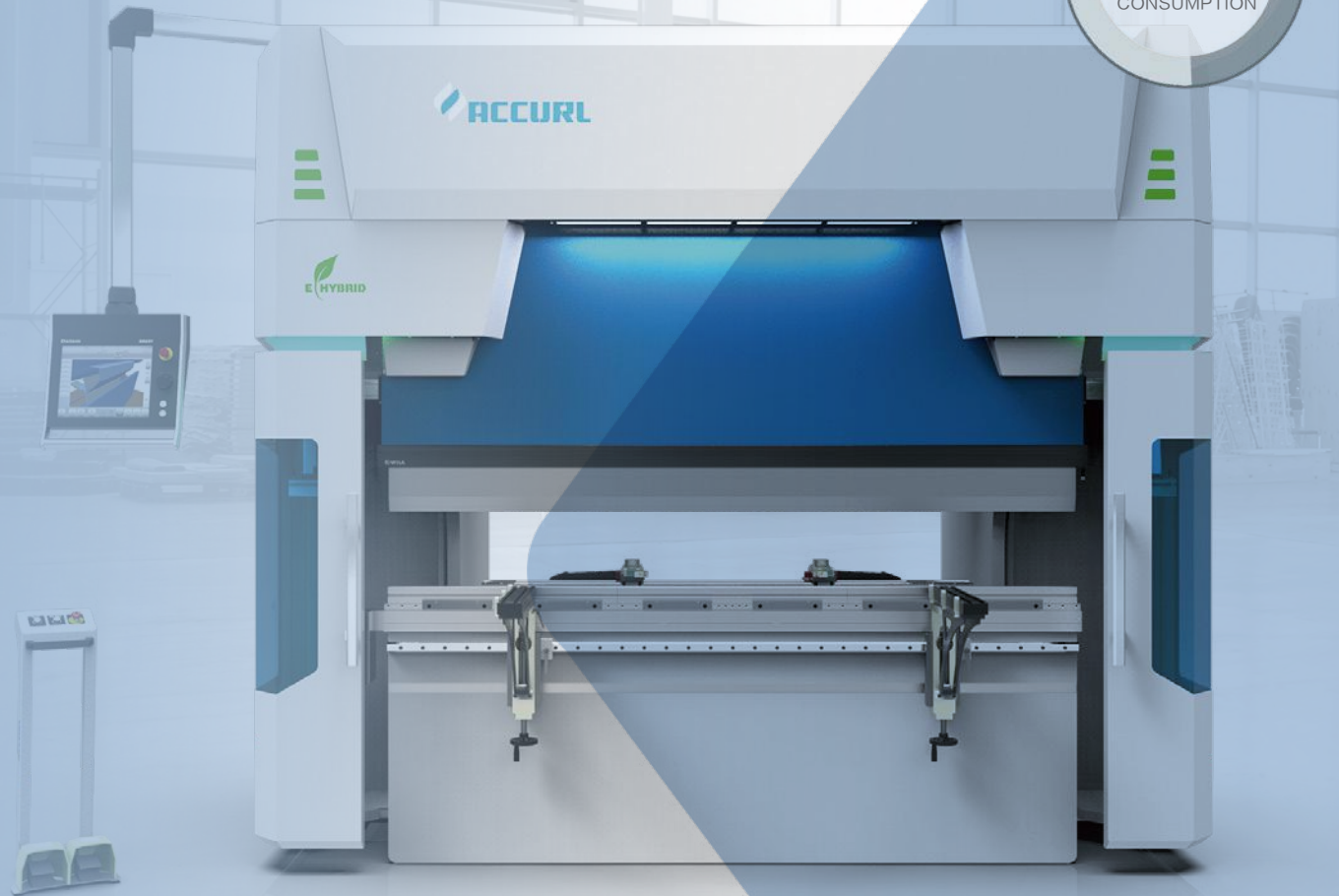
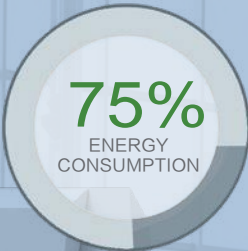


New Generation Technology

The ePrAX[®] control hybrid system is an innovative servo drive for press brakes, and thanks to the brushless motor, we can precisely control the movement of the ram using a minimum amount of oil and energy.

Innovation with the E for efficiency

This press brake is integrated with the highest technology coupled with a friendly use. This model is a top machine that guarantees high precision and competitiveness.



Bending length 2.5-4.2m

Bending force 80-400tn

FAMILIAR NAME, INNOVATIVE TECHNOLOGY

ACCURL® ePrAX INTEGRATED NATURE:

The highly flexible all-round CNC press brake EuroMaster is the latest development of the company. include new technical innovations in combination with the already well proven technology and know-how from many years of experience and passion coming from ACCURL.

THE "GREENER" COMPETITIVENESS:

- **Energy saving**
 - 75% lower consumption than hydraulic brakes on an average.
- **Productivity**
 - Thanks to the high dynamic electro mechanic drive system and "IRIS" safety 35% shorter cycle times on an average



PIPE
NOISE
FILTER
MAINTENANCE
DWELL TIME



Genius
Hydraulic
180mm/s



EuroMaster
Hybrid
220mm/s



eB Icon
Electric Servo
220mm/s

Machine LED status®



— Motor OFF — Reset OK



— Motor ON — Reset OK



— Motor ON — Reset OK — DNC OK

PNEU MATIC



› TOOL UP WITH THE WILA AIRPOWER SERIES

Now available: the complete range of WILA's pneumatic tool holders, top and bottom, Pro and Premium. Speed up operations and tool changes – and maximize productivity.

**WITH
PATENTED
SELF-LOCKING®
PERFORMANCE**

Pneumatic Clamping with WILA AirPower Series:

- › No oil, no hydraulics
- › For top and bottom tooling
- › No pressure booster needed (6-8 bar will do)
- › Ultrafast clamping for more productivity
- › Lower operating costs
- › Cleaner, more sustainable
- › For new and existing press brakes



Scan your tool
with the WILA app

Clear inscription
on the tool

6-8
bar

Lean, clean and green 🌱

Thanks to WILA patented Self-Locking mechanism, hybrid press brakes with WILA AirPower pneumatics deliver a complete and powerful all-round clamping performance. Easier to maintain, oil-free machines are cleaner and more sustainable, using less energy as they are only running when operating

Press brake bending...

ADVANCED SAFETY

CE Safety Regulations require the application of an Optical Safety Guard (OSG) when operating at closing speed

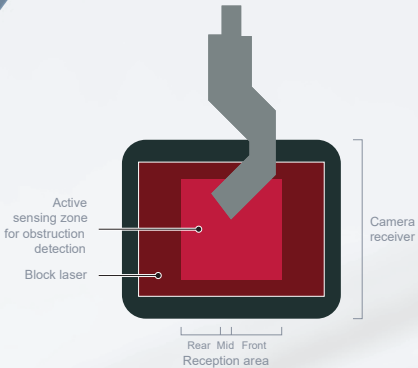


ANGLE MEASUREMENT

Automatic angle measurement and automatic correction of the bending angle

OPTICAL PROTECTION TECHNOLOGY

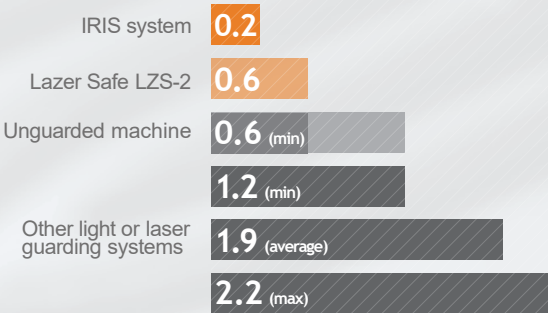
The IRIS System safety equipment by Lazer Safe represents the most advanced safety solution for press brakes. In terms of productivity and protection level. Its unique features increase the competitiveness of the eP-Press:



Applies to IRIS and IRIS Plus

IRIS TO MAXIMIZE SAFETY,PRODUCTIVITY AND TOOL CRASH PROTECTION :

- Faster cycle times
- Speed change at 2 mm above material
- Ultimate Operator Safety
- Security against tooling damage
- Full Integration in the CNC System
- Automatic Alignment
- Angle measurement option



Comparison time in slow speed closing (seconds per cycle)

ANGLE CONTROL PROCESSES

These are two examples of angle control processes that can be implemented in the CNC system through the development of supporting software.



DYNAMIC ANGLE CONTROL • Dynamic Angle Control uses real time angle data plus the recorded spring back value to automatically and accurately control the bending depth.the dynamic angle control is a high speed process that ensures accuracy and consistency between parts with no delay to the bending operation.



ACTIVE ANGLE CONTROL • Active Angle control is a highly accurate angle control process that calculates spring back for each individual bend, then controls the bend depth with Live Angle Bending to achieve the correct angle.

	IRIS INTEGRATED REAL-TIME IMAGING SYSTEM	IRIS PLUS INTEGRATED REAL-TIME IMAGING SYSTEM
Optical protection functions	•	•
Optical imaging functions	•	•
Maximum recommended optical range	8 metres	4.5 metres
Optical sensor		
Camera	Digital Image Sensor	Digital Image Sensor
Frame rate / frequency	10ms/100Hz	10ms/100Hz
Data resolution (sensor)	-	0.01 degrees
Measurement technology		
Type	Integrated High-Speed Image Processor	Integrated High-Speed Image Processor
Memory depth	-	Records up to 10 seconds (1000 images) of bend data per cycle.
Measurement accuracy	-	Up to +/- 0.25 degrees
Measurement rate	-	10ms/100Hz (synchronised with frame rate)
Imaging technology		
Bend Speed Management*	•	•
BendVision*	-	•

*Supporting software development is required for the CNC system.

- The Profile-T software offers advanced programming in 2D/3D in line with the DA-Touch controller software. The steps from the start of programming to the desired program including its transfer to the control are clearly embedded in the user interface.



The diagram illustrates the manufacturing process flow:

- IMPORT DESIGNN**: Design files are imported into the system.
- OFFICE**: The design is processed in the office environment, involving a computer monitor, keyboard, mouse, and various tools.
- PRESS BRAKE**: The processed design is sent to the press brake for manufacturing.
- LASER**: The design is also sent to the laser cutting machine for manufacturing.

Below the 'IMPORT DESIGNN' step, there are two options for file formats:

- 2D**: Represented by a DXF file icon.
- 3D**: Represented by an IGES file icon.

Below the 'LASER' step, there is a table showing the manufacturing sequence for different profiles:

	2 D	3 D
Profile TL	●	-
Profile T2D	●	-
Profile T3D	●	●
EsaBend	●	●
Rad bend	●	●

Transferring the program to the press brake with 3D drawing, tooling setup & bending sequence.

	2 D	3 D
Profile TL	●	-
Profile T2D	●	-
Profile T3D	●	●
EsaBend	●	●
Rad bend	●	●

Profile•T

The DA-Offline range, an integrated solution between offline preparation and press brake, enables optimum machine efficiency.

- DA-Offline software maximises machine efficiency and production output of press brakes. The Profile-T software facilitates offline programming and simulation the bending process.
- Production preparation, makeability and tooling verification, operator training, adding notes for production and many other functions can be carried out offline.



Networking

Hybrid Model	Pressing force in kN	Operational length in mm	Distance between the side frames	Stroke in mm	BGA in mm	Approach speed in mm/sec.	Maximum bending speed* in mm/sec.	Return speed in mm/sec.	Connected load in Kw	Gap in mm	Weight in kg.	Length mm	Width mm	Hight mm
B25.80	800	2550	2100	300	550	230	0~10/20*	230	11	450	5500	3600	2000	305
B25.135	1350	2550	2100	300	550	230	0~10/20*	230	11	450	9500	3600	2000	305
B32.135	1350	3200	2700	300	650	230	0~10/20*	230	11	450	10500	4650	2000	305
B32.175	1750	3200	2700	300	650	230	0~10/20*	230	15	450	12300	4650	2000	306
B32.220	2200	3200	2700	350	800	210	0~10/20*	230	15	450	12500	4650	2100	325
B40.175	1750	4050	3300	300	650	230	0~10/20*	230	15	450	12800	5100	2100	325
B40.220	2200	4050	3300	350	800	210	0~10/20*	230	15	450	15500	5100	2100	325
B40.320	3200	4050	3300	350	800	200	0~10/20*	230	23	450	21800	5250	2150	328

Content subject to change without notice. V1.01

