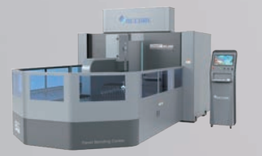
ACCURL PRODUCT RANGE:

EUROMASTER / EB ULTRA
Medium sizes SMALL sizes

ES NT-30T

MASTERLINE
ALL sizes

SMART BEC
Medium sizes



ACCURL MACHINE TOOLS
ANHUI | CHINA

Industrial Park in Bowang Special
Economic Zone Maanshan
Anhui | China

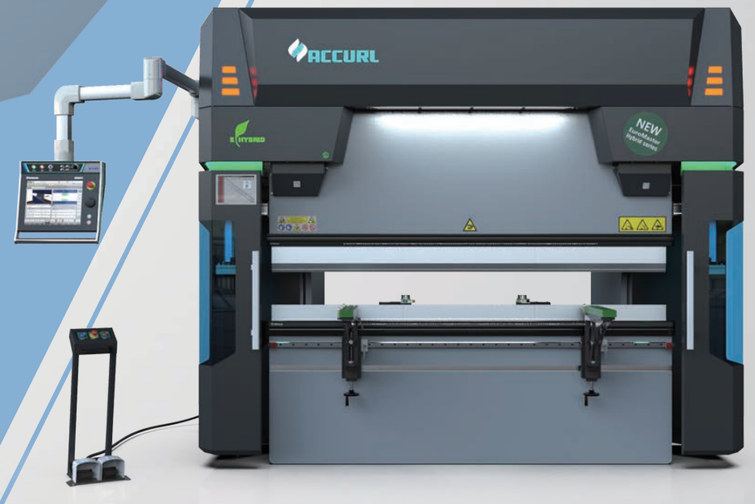
T |+86 0555 2780563
M | +86-188 5555 1088
E | info@accurl.com

ACCURL . com

LOCAL DEALER\

ACCURL®
Shaping your future

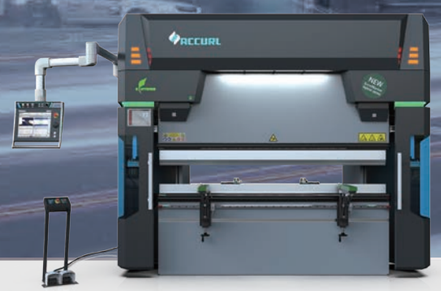
EuroMaster
NEXT



Shaping your future

SUSTAINABLE BENDING SOLUTIONS

Bending ... has never been easier.



EUROMASTER

TECHNOLOGY AND PRECISION MORE ACCESSIBLE

Using all the technology EuroMaster combines quality, performance and accuracy at a competitive price.

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 $C0^2$ 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

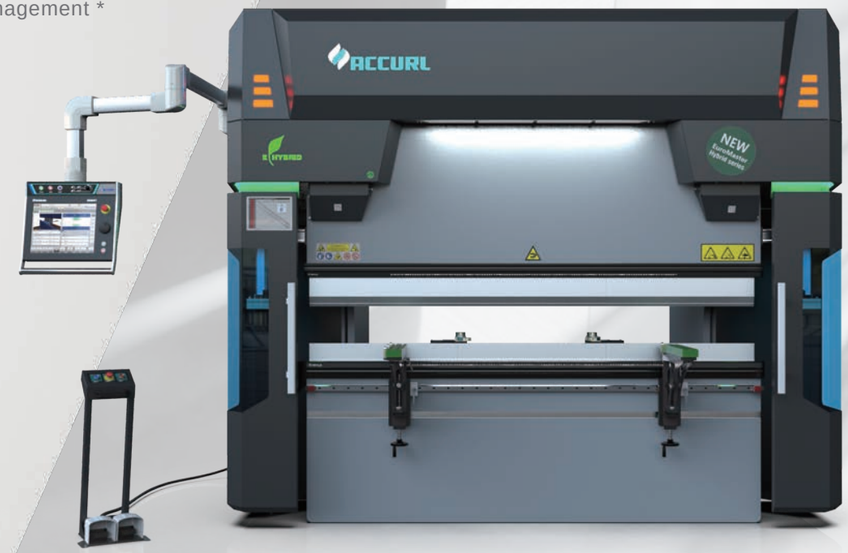
< Considerably Reduced oil tank volume up to 95%

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

STANDARD

> **DELEM®** DA60 SERIES Controller
> **DELEM®** Profile Offline Software
> Connection to company **LAN** and **ERP**
> **ePrAX Hydrid Servo System**
> **550mm*** Daylight
> **300mm*** Beam Stroke
> LAZERSAFE Systems IRIS Block Laser*
> ACCURL BGA-4 for X=600mm X,R,Z1,Z2-Axis
> ACCURL® "WILA WAVE"WEDGE ULTRA CNC crowing Table*
> Main Characteristics:
-Approach speed: **210~250mm/s**
-Return speed: **200mm/s**
-Bending speed: **10~20*mm/s**
> ACCURL® Smart innovation innovation Industry 4.0
> ACCURL Products management *

AVAILABLE FEATURES AND OPTIONALS



GREEN HYBRID SERVO TECHNOLOGY:

Energy consumption has a significant effect on Total Cost of Ownership of plant and machinery:even with standard machines, the energy consumption represents 30% of total costs and with particularly energy-intensive applications, this share is remarkably higher.

Speed More than 250mm/s

BENEFITS COMPARED TO A TRADITIONAL PRESS

Energy consumption:	-75%
Automatic standby:	Start and stop
During programming and bending:	Zero consumption
Oil duration:	4 times higher
Productivity for reduced cycle times:	+30%

Expanded CNC to view consumption in real time and estimate production costs

AFFORDABLE TECHNOLOGY

EuroMaster performance level is comparable only on machines with much higher standards. These press brakes may be configurable with different equipment to enhance their performance at all levels.

EuroMaster
NEXT

- Up to 75% Energy Saving
- More than 35% higher productivity
- Precise bending result at fast speed
- Minimalized tool change and adjustment time
- Maximized speed and safety

Manufacturing Efficiency, Energy efficiency,Ergonomics:

The EuroMaster Brake Hybrid 80T-400T 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.

EVO-GO
Low Power Consumption

High Capacity

Robust Body

Perfect Precision

Winning

Ergonomic

INNOVATION
WITH THE E FOR EFFCIENCY

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.

75%
ENERGY CONSUMPTION

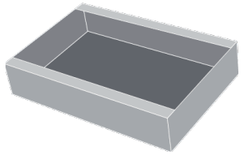
RapidBend

RapidBend can improve machine performance and efficiency by up to 72% to significantly enhance your productivity.

ending length	2.0–4.2m
ending force	60–400tn

HIGH RELIABILITY
AND MAXIMUM PRODUCTIVITY

The EuroMaster features the advantages of high acceleration, deceleration and fast response times of the hybrid servo drive system. Compared to conventional press brakes considerable productivity increase can be reached; reduction of cycle times by up to 30 % and more is the reality.



Time cycle comparison

Bending time necessary to realize this 6 bend box-only machine time

Genius
Hydraulic
180mm/s

EuroMaster
Hybrid
220mm/s

eB Ultra
Electric Servo
220mm/s

Energy in Efficient Use
SERVO PRESS BRAKE

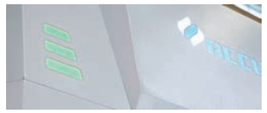
NO

- PIPE
- NOISE
- FILTER
- MAINTENANCE
- DWELL TIME

Machine LED status[6]

— Motor OFF — Reset OK

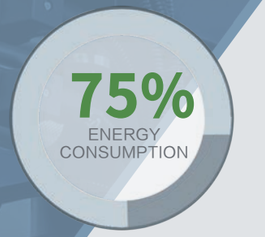
— Motor ON — Reset OK



— Motor ON — Reset OK — DNC OK

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 75 % compared to conventional systems.



ADVANTAGE:

- Respect for the environment
- Energy saving*
- Speed*
- Reduced noise*
- Less maintenance
- Less waste*
- Extreme precision
- Repeatability

ACCURL® ePrAX INTEGRATED NATURE

The hybrid drive ePrAX adapted to the special requirements of drives for CNC press brakes. For each actuator a servo motor takes over the control of power stroke and fast stroke as well as bending force. Th return stroke artly takes place using temporarily stored hydraulic energy.

/ COMPARISON

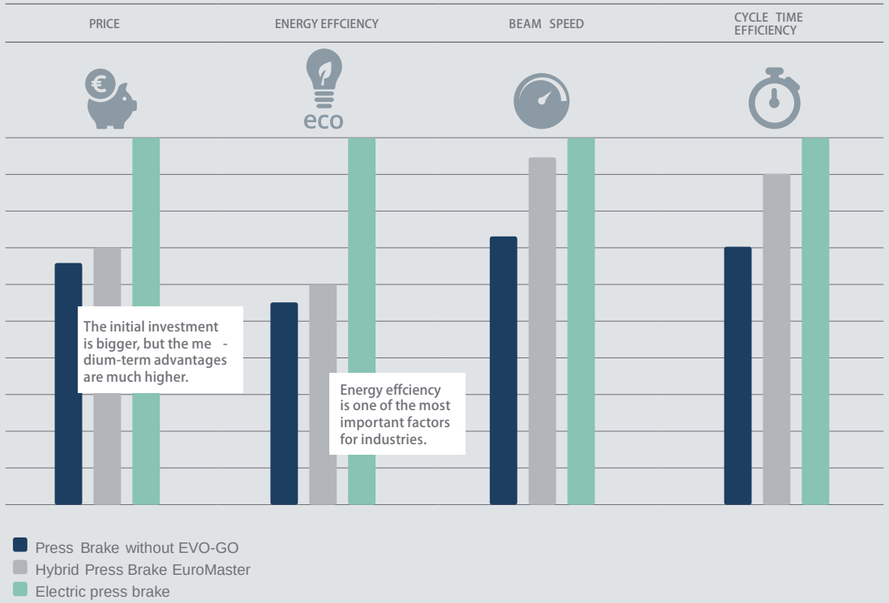
· The EuroMaster Hybrid press brake provides greater profit the higher is the machine occupancy rate.

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…… ↗



THE ”GREENER” COMPETITIVENESS:

EVO-GO

• 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.

Everything with one click in 3 steps. 100% automated

Optional item FABLE is an acronym of Fully Automated Cut & Bend BundLE and the operator has to set only the initial parameters: FABLE software and algorithms will handle the entire process in a fully automated way, including unfolding.

FULLY IN 3D,CUT BEND THE SHEET METAL

JobTRACK by Accurl

Job tracking add-on

Record and monitor the production\manufacturing process\flow
Store all parts, tubes, daily jobs, SubNests.Sort and filter all the data, and search using complex search queries.
Manage and monitor material consumption and usage efficiency

©Optional*

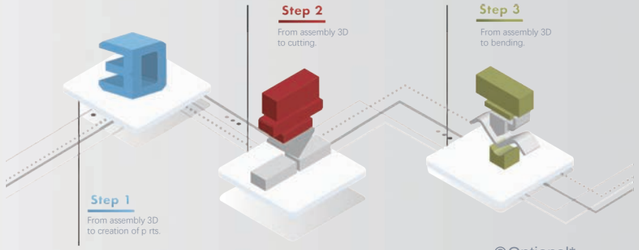
FABLE IN ACTION: 1,2 e 3. UNFOLDED,CUTAND BEND

ACCURL. Claim For 3D Unfolding

Consisting of a suite of outstanding applications,ACCURL.CLAIM allows you to fully control alle the phases of the creative process, converting ideas into technical drawings ready to be sent to the sheet metal working software.

ACCURL. iCut Nesting For Cutting

With ACCURL.iCut software is designed to allow you to achieve the best cutting results, saving material, reducing time & making things easier for the operator, thanks to the high level of automation.



©Optional*

ACCURL. iBend Offline For Bending

Powerful and reliable, create or import geometric details in a moment from any other design platform, automatically optimizing their profiles and optimally preparing them for subsequent processing.

JopTRACK For Shop Management

For every 4 main phases of metal sheet cutting (quotation and order confirmation, order elaboration and warehouse checking for production) the JobTRACK system by ACCURL offers the more suitable software able to support at best the workforce in the relevant decisions and schedules.

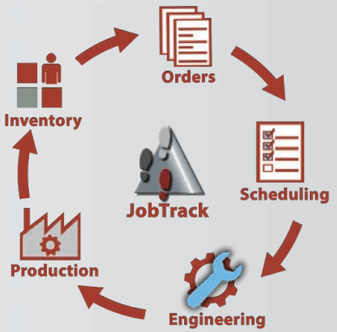
JobTRACK by Accurl

STEP 1 Sales Manager
From offer request to the order confirmation.
Rapid and efficient.

STEP 2 Sales Dept.
The Production Manager open the internal order issued by sales dept. and he creates a list of works to elaborate in the production dept.

STEP 3 Workshop
Order Working
The machine is ready. The operator checks nesting and start the machine.

STEP 4 Warehouse
Warehouse Check for the production
From the Production Manager to the warehouse's workers. It's sent the request to prepare the necessary materials for the production with real-time updates of stocks.

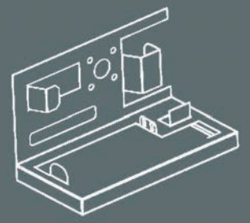


iBend OFFLINE 3D-SOFTWARE*

Production preparation in line with press brake user friendliness:
ACCURL® iBend 3D is an application for programming and simulating CNC press brakes to aximize production resources.

ACCURL.iBend

Offline 3D press brake
simulation by Accurl

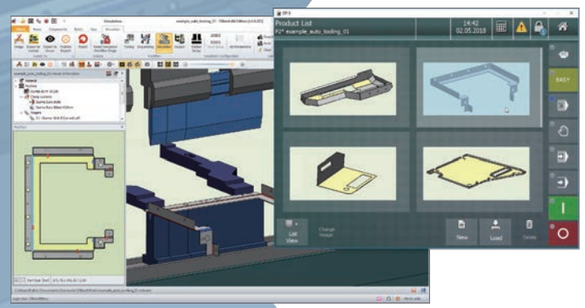


iBEND OFFLINE 3D
SEQUENCING AND SIMULATION SOFTWARE

ACCURL. iBend enables offline generation of bend sequences and tooling setups, with dynamic 3D simulation for checking collisions of the part with tools, fingers, and machine components.

ADVANTAGES:
ACCURL iBEND ENHANCES YOUR PRODUCTIVITY:

- Direct part transfer from SolidWorks, Solid Edge,and Inventor
- Importing and unfolding of IGES and STEP 3D parts
- Importing and folding flat DXF\DWG parts with layer filtering
- 3D simulation of the bending process with collision detection
- Faster design-to-production times with automated features
- Offline programming means minimal machine down-time



BEND SEQUENCE SELECTION:

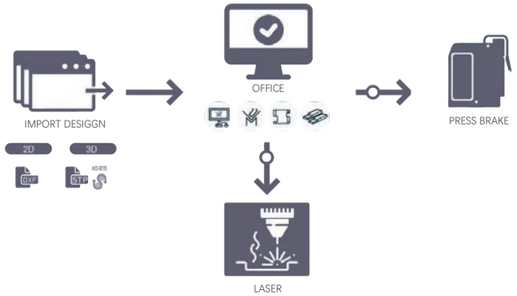
ACCURL .iBend automatically calculates multiple bend sequences, taking into consideration:

- Collision avoidance
- Tool segment availability
- Heel tools for over-hanging flanges

©Optional*

SETUP REPORTS

The **iBend** comes with real-time, **automatic 3D simulation**, presenting a realistic visualization of the bending process. and the simulation helps you to create an error-free process, producing NC code or a bending report.



ADVANTAGE

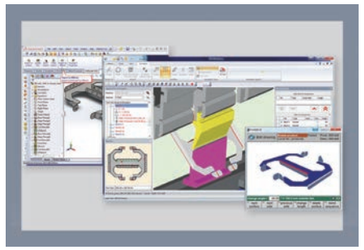
- Bend sequence instructions
- Tool information and tool setup details
- Product handling
- Bend-by-bend graphics
- Bend sequence instructions
- Flat view with the bend sequence
- You can generate your report files in several formats:
  PDF, DOC, RTF, XLS\XLSX, XML, CSV, and RPT

3D SIMULATION AND COLLISION DETECTION

Automatic simulation and collision detection for part,fingers tools,and machine:

ADVANTAGE

- Detect collisions between all moving elements
- Visualize bending (overbend, springback) realistically
- Simulate operator part handling
- Simulate the bending sequence with the full machine configuration in 3D-fingers tools, part,and machine



EFFICIENT TOOL SELECTION

ADVANTAGE

- vailability of tool geometry and segments
- Bend radius
- Maximum force
- Collision avoidance
- **Full support for hemming:**

-Specify default hemming tools for automatic selection
-Default and editable Pre-bend angle.

Press brake bending_

ADVANCED SAFETY

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

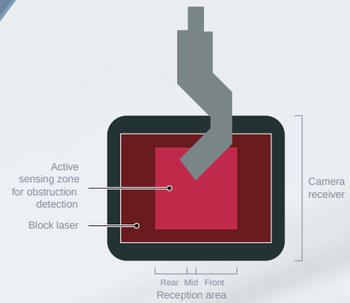
ANGLE MEASUREMENT

Automatic angle measurement and automatic correction of the bending angle

©Optional*

OPTICAL PROTECTION TECHNOLOGY

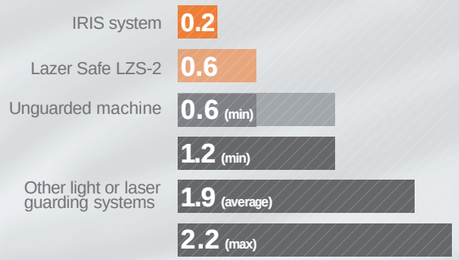
The IRIS System safety equipment by LaserSafe represents the most advanced safety solution tor press brakes In terms of productivity and protection level. Its unique features increase the competitiveness of the eP-Press:



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 CONTREL PROCESSES

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

DAC 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.

AAC 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.

STATE OF THE ART FLEXIBLE SOLUTIONS

The DA-60S flagship control combines solid fundamental press brake control functionality with the latest of enhancements increasing productivity. Next to highest accuracies, ease-of-use for the operator it makes today's press brakes more versatile than ever.

Everything under control

DA•60S Touch

STATE-OF-ART FUNCTION COMPLETE

The DA-69S offers 2D as well as 3D programming that includes automatic bend sequence calculation and collision detection. Full 3D machine set-up with multiple tool stations giving true feedback on the product feasibility and handling.

DA-60S - SERIES 3D GRAPHICAL CONTROL

The control operation, based on state-of-the art industrial touch screen technology, gives access to the proven renewed Delem user-interface and enables direct navigation between programming and production. Functions are directly located where you need them, offering optimised ergonomics throughout the application.

HARDWARE SPECIFICATIONS

- New ergonomic, premium, rugged design
- Linux based OS, improving performance
- 24" HD widescreen + industrial PCT touch screen technology
- New high performance platform, using latest industrial standards
- Large OEM-panel for switches, signals,etc.
- Easy access to all connections

DA-69S FEATURES:

- 3D and 2D graphical touch screen programming mode
- 3D visualisation in simulation and production mode
- 24" high resolution colour TFT
- Delem Modusys compatibility (module scalability and adaptivity)
- USB, peripheral interfacing
- Support for Industry 4.0 connectivity (OPC-UA optiona)
- Shop floor control, Job list functionality
- Open system architecture
- Sensor bending & correction interface
- Profile-S 3D offline software

©Optional*

Optional expansion

- Part support control
- Protractor interface
- TandemLink
- Barcode/2D reader interface
- Sheet thickness measurement
- Sensor bending / angle measurement control
- Optional 2 screen solution
- ACP, Additional Control Panel

WILA NEW STANDARD TOOL HOLDERS SYSTEM

The New Standard Tool Holders (Clamping, Crowning and Bottom Tool Holders) make it possible to change tools very quickly. When combined with our state of the art New Standard Tooling they also provide maximum accuracy flexibility, durability and safety

UPB / ES
Premium / Pro
HC / MC
HD
SL
STL

EFFICIENTLY CHANGE YOUR PRESS BRAKE TOOLS

ADVANTAGE:

- Innovative and extremely fast clamping systems
- Tailored to each individual press brake
- Top-quality materials that ensure a long life
- Horizontal and vertical change of tooling
- Available with hydraulic, pneumatic or manual clamping

WITH PATENTED SELF-LOCKING PERFORMANCE®

©Optional*

POWERFUL SELF-LOCKING@ PERFORMANCE

Tools can be locked and released extremely quickly using air pressure, while clamping force is provided by our patented Self-Locking mechanism. This unique combination results in a much faster tool change and increases your productivity in the long run.

PNEUMATIC CLAMPING WITH WILA NEW AIRPOWER SERIES

- Now available:

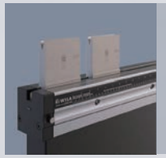
The complete range of WILA's pneumatic tool holders, top and bottom,Pro and Premium.Speed up operations and tool changes– and maximize productivity.

LEAN,CLEAN AND GREEN

- 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

New Standard Clamping

- nnovative and extremely fast clamping systems
- Equipped with Guards
- Horizontal and vertical change of tooling
- Can be installed on any press brake thanks to the UPB concept
- Suitable for New Standard top tools
- Available with hydraulic, pneumatic or manual clamping



New Standard Crowning

- Tailored to each individual press brake
- Top-quality materials that ensure a long life
- Perfect compensation for deflection, resulting in a consistent bend angle over the entire length of the machine
- Using a range of patented adjustable wedges known as WILA Wave Wedges
- Can be operated CNC-controlled or by hand

New Standard Bottom Tool Holders

- Ideal for press brakes that do not require a crowning system, or for press brakes with a crowning system already incorporated into the lower beam
- Compact design with fully integrated clamping system for dies
- Available with hydraulic, pneumatic or manual clamping

INTERNATIONAL BENCHMARK FOR PRESS BRAKE TODLING

ACCURL® press brake tools are made from WILA in Netherlands, are well polished and hardened.& ACCURL has wide range of bending tool solutions, such as 1V and multi-V lower tools and different upper tool solutions.

NEW STANDARD WILA TOOLING

WHY CHOOSE WILA NEW STANDARD TOOLING

-Fast and safe tool changes
-Self-seating and aligning
-High quality finish, maximum precision
-Long tool life, designed for flexibility
-Hardened contact surfaces 60HRc

©Optional*

PRESS BRAKE PRODUCTIVITY TOOLING FROM WILA:

The WILA tools with Safety-Click® & the E2M® changing system for (heavy) tools, have made the changeover process easier and safer.accuracy and ergonomics are optimally matched to achieve the highest productivity with all tools.

New Standard Premium Tooling:

- All compression and wear areas are fully CNC-Deephardened® to 56-60 HRc for maximum durability
- Extreme precision and bending performance
- High workload and maximum durability
- Uncompromising long-term performance and quality
- Comply with complex requirements and extreme tolerances

Press Brake Tooling

Press Brake Tool Holders

Safety-Clicks

TOOL MANAGEMENT

If you are familiar with lean manufacturing principles, you understand the advantages of efficient tool management. Tools should be stored near the press brake for easy access. You should also be able to identify and enter them into the press brake control quickly and easily. This will save time and help prevent mistakes during changeovers. With proper care, maintenance, and tool storage, WILA Tooling will retain its accuracy for ten years or more.

SMART TOOLING APP

The WILA Smart Tooling App provides instant access to tool data anytime, anywhere. It offers major time savings, error-free tool data entry, and simplified tool inventory management. All WILA New Standard Premium tools feature a unique, scannable code, offering an Industry 4.0 Tool Management solution for digital tool data exchange.

BGA SERIES BACKGAUGE

FAST & ACCURATE WITHCONSTRUCTION

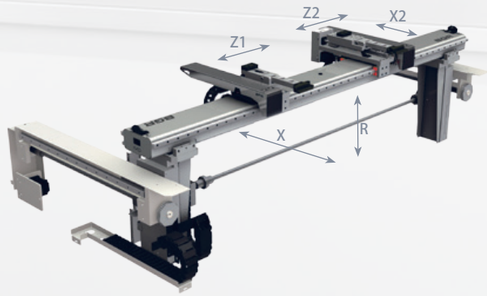
The ACCURL BGA series CNC backgauge to help with all your bending needs – let us help you configure the best solution for your press brake needs.

PERFECT POSITIONING

ACCURL options for back gauge systems and material handling complete the Press Brake

ENTIRELY ACCORDING TO CUSTOMER SPECIFICATION

No matter if 4, 5 or 6 axes, support bracket,sheet support or bending aid – you decide how your press brake will look like. We guarantee that your multi axis press brake can be configured to meet your needs and bending equirements exactly.



THE ACCURL OPTIONS-YOUR ADVANTAGES:

- Highest precision and dynamics with all back gauge systems – up to 1200 mm/s
- Back gauge systems can be selected according the requirements: 2, 4, 5 or 6 axes
- Time and effort-saving handling thanks to optimum bending aids
- Additional support brackets for light and thin sheet metals

SUPPORTS:

Sheet supports are auxiliary bendingaccessories. They must be chosen according to the dimensions and weight of the pieces.

Front supports: Support the plate during the front feed
Back supports: Support the plate in the approach to the back gauge
Follower supports: Support the mowement of the plate during the bending

ACCURL believe in innovationand continuous improvement.for these reasons, ACCURL has creatednew servosheet followersto support the sheet during the bend, avoiding excessivedeformation.

- Light solution, easy tomove
- AP1 - AP2 CNC-controlledinterpolated axes
- Recommended for heavy partsor large thin plate
- bend asclosed as 70°
- Load capacity – 160kg or 350kgper support.
- Brush and support shaft dim 350x900 up to 1200 mm

©Optional*

The SPA Thin supports system are installed in thefingers of the back gauge. They can be activated in predefined bending andenable the plate to slide until it lies adjacent to the back gauge.

ADVANTAGE:

- Back supports have ball slidersand brushes to protect even the most delicate surfaces
- Load capacity – 30 kg persupport
- Best configuration forsheet box bending

©Optional*

CHOOSE AND CONFIGURE YOUR PRESS BRAKE

A territory with a consolidated technological background and the inventiveness of the ACCURL family are the ingredients of the birth of ACCURL One of the first company to apply Industry 4.0 enters the world of sheet metal bending machines in China by ACCURL

ACCURL MORE INNOVATLON

TECHNICAL SPECIFICATIONS

Hybrid Model	Pressing force in kN	Operational length in mm	Distance between the side frames	Stroke in mm	Daylight in mm	Approach speed	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
B20.60	600	2050	1650	300	550	220	0~10/20*	220	8.8	400	6050	3250	1700	2850
B25.80	800	2500	2100	300	550	230	0~10/20*	230	8.8	450	6800	3600	1800	2860
B25.110	1100	2550	2100	300	550	230	0~10/20*	230	8.8	450	9000	3600	1800	3050
B32.110	1100	3200	2700	300	550	230	0~10/20*	230	8.8	450	10550	4350	1800	3050
B32.135	1350	3200	2700	300	550	230	0~10/20*	230	8.8	450	11850	4350	1800	3050
B32.175	1750	3200	2700	300	550	230	0~10/20*	230	11	450	12300	4650	1900	3060
B32.220	2200	3200	2700	350	800	210	0~10/20*	230	11	450	12500	4650	2100	3250
B40.175	1750	4050	3300	300	550	230	0~10/20*	230	11	450	13500	5100	1900	3050
B40.220	2200	4050	3300	350	600	210	0~10/20*	230	11	450	15500	5100	1900	3250
B40.250	2500	4050	3300	350	600	210	0~10/20*	230	22	450	17500	5100	2150	3250
B40.320	3200	4050	3300	350	600	200	0~10/20*	230	22	450	22800	5250	2150	3280
B40.400	4000	4050	3300	400	620	180	0~20/20*	200	30	500	25850	5300	2450	3530

* Optional

Content subject to change without notice. V1.01