

CNC PRESS BRAKE EURO PRO B32135

3200mm x 135 Tons

DELEM DA66T with 6-axis for Y1, Y2, X, R, Z1, Z2 and CNC Crowning



ACCURL® New Genius Series Based on proven design Pro Series has increased working speeds, stroke, daylight & pressing capacities. with advanced motion technologies and impressively quiet with the most flexible features and options, the Genius model is the ultimate in creating complex parts.

Elements are included:

- DELEM DA66T 2D graphical/3D visualisation CNC Control Unit
- ACCURL® BGA-2 for X=600mm X,R, Z1,Z2-axis
- ACCURL® Hybrid ECO Function (ECOPOWER technology)4.0
- OEM Embedded Lasersafe Systems LZS-2 Block Laser
- ACCURL® Tool and die holders management 2.0
- ACCURL® Corwning Table with Die Rail (Groove 12.7mm width, 15,8 mm Height)
- Sliding Front Arms with full length linear guide
- Additional Control Panel with Smart Factory LAN™
- Industry 4.0 of Productivity Monitor (software version V3.5.3)
- Safety covers for inside and outside main cylinder with LED Floodlight
- CE Norms with Two sides door-type safety guard and rear safety guard with rear door

BENEFITS OF ACCURL PRESS BRAKES

What better benefit can a machine provide than adding to your bottom line. ACCURL press brakes do this by helping you produce higher quality parts faster than ever and all with lower operating and maintenance costs. ACCURL has a press brake to match your needs and budget whether your application requires bending complex parts or simple shapes. ACCURL press brakes have been designed to be precise, reliable, and high performing with easy operation. We have a solution for every manufacturing environment and offer several models of press brakes with multiple features and options. Each of our press brake models have a variety of lengths and tonnages and can be customized to your requirements.

All ACCURL press brakes have been designed for high performance and enhanced with five main innovations to increase your productivity while decreasing your cost per part including:

- 1) A rigid mono-block frame constructed from mill certified high-yield steel for dependable performance;
- 2) Quality precision ram positioning accurate to within 0.0004 inch provided by dual cylinders and rams for stable ram motion;
- 3) A deeper throat allows you to use the full length of the machine to form more parts; the increased daylight opening accommodates a larger range of parts; More stroke length which provides additional flexibility and versatility.



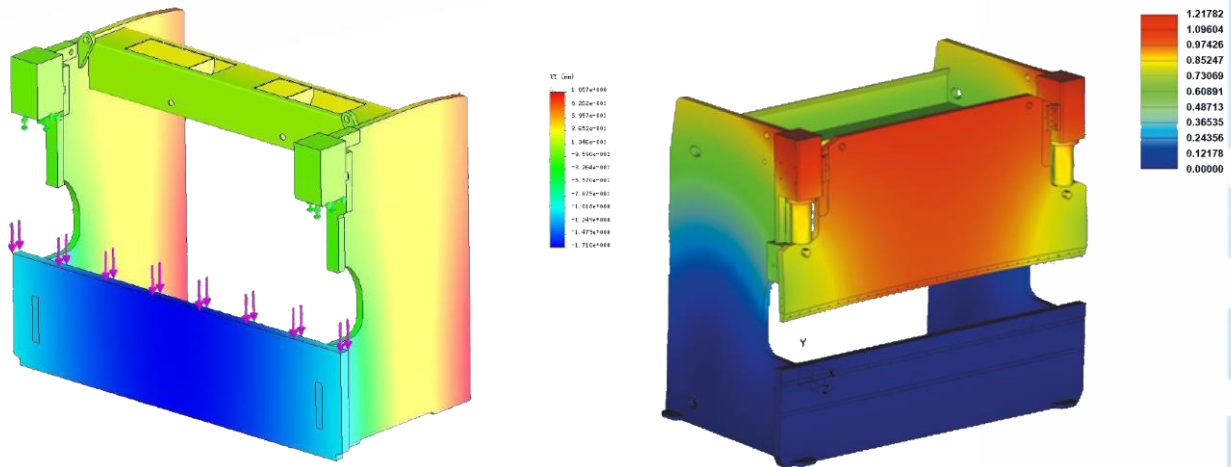
You may not wish higher specification machine but of course this not mean you can not have accuracy and precision.

We designed MB8 Series press brake for simple to use, performance and precision. And also for high quality bend accuracy and repeatability at least five-fold higher than conventional press brake.

Accurl Pro Series press brake daylight, stroke and throat depth designs are specially designed for deep bends and long tools.

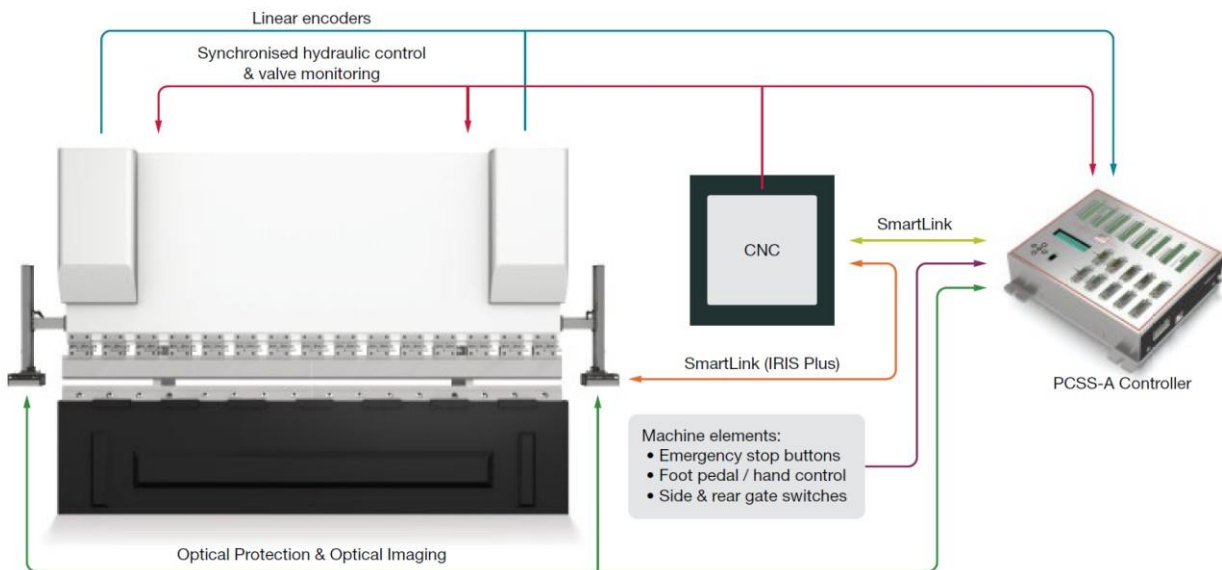
Machine Block

MB8 series press brake features a rigid frame for minimum deflection under the load. The frame steels are German origin, ultrasonic controlled & ST-44 material. Machine welding is made by welding apparatus & welding robots. After the welding, we make stress relief process by vibration system. After the stress relief process machine frame goes to CNC 5 axes machining centers for accuracy,. All reference surfaces and connection holes are machined. By all this processes machine frame sensitivity is protected for a long life time.



RAM POSITIONING SYSTEM - Y1, Y2

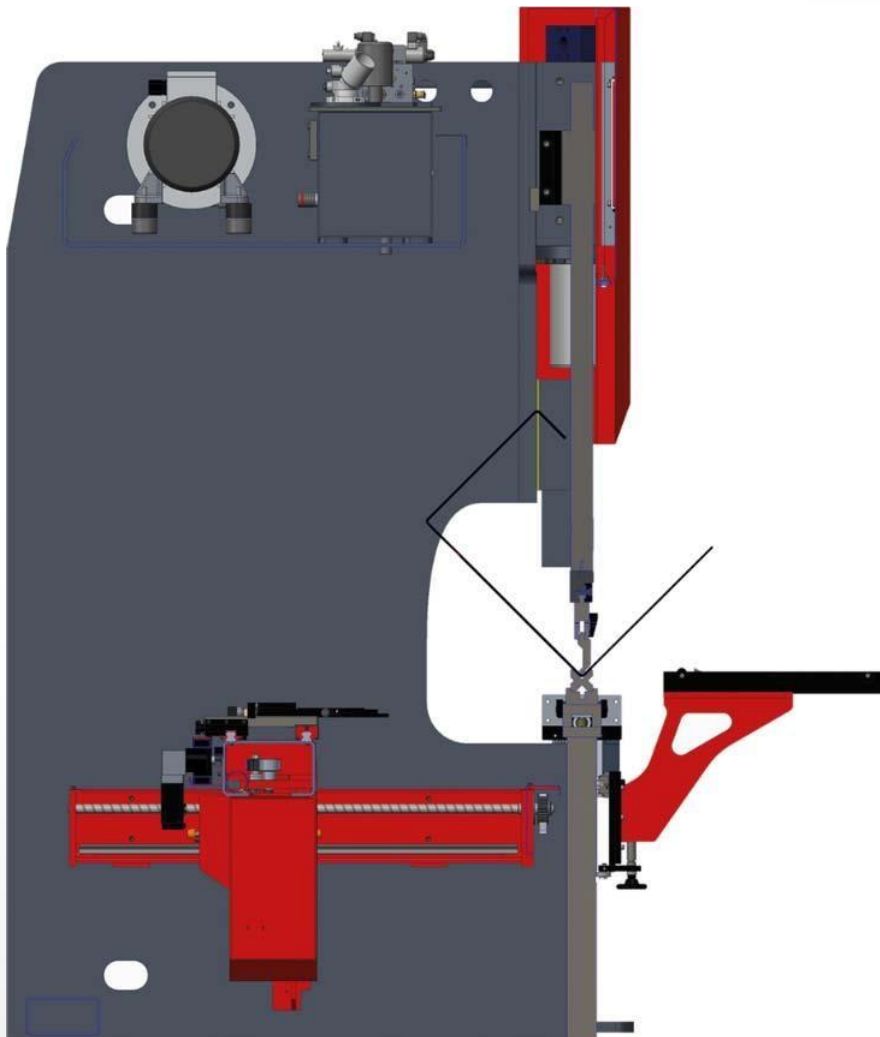
In this system each cylinder operates independently. Linear encoders are mounted on a separate sub frame on each side of the machine. These encoders combined with servo hydraulic valves and the CNC command center, provide a 0.001mm accuracy and the ability to program all ram position, speeds and ram tilt. The decompression point is also programmable, this feature along with programmable speeds is very useful when bending large sheets.



LARGE WORKING SPACE (STROKE, DAYLIGHT & THROAT)

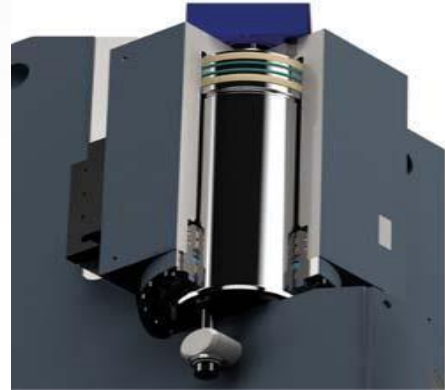
The large openings and strokes of the Genius Series facilitate the versatile production of parts requiring increased clearance to profitably and easily produce. This includes but is not limited to the production of deep sectioned four sided boxes. This provides for more clearance when bending parts with larger flanges. In some cases this allows the buyer to purchase a smaller overall bend length press brake, a cost savings, as this large clearance allows large flange bending on the overall bend length dimensions of the machine. For example, a 3m part with a large flange may be bent on a 3m MB8-S, but could require buying a 3,7m machine from other manufacturers, when this gap dimension is smaller.

- Machine ram made from outside housing to the machine frame. There is no housing inside of the machine & by this solution you are very flexible to work at between columns.
- Optic linear guide system is fixed to the machine bed by separated arm. By this solution you are able to record all yaw values. This solution helps you to adjust your bendings sensitivities & repeatabilities.
- Machine hydraulic tank, motor & hydraulic units are compact designed on top of the machine. By our compact design, we maximised the machine for your specific bendings & collision free.
- Machine throat depth is maximised & throat design is specialised for your specific bendings. And also to make this solution we increased the machine width, height and weight.

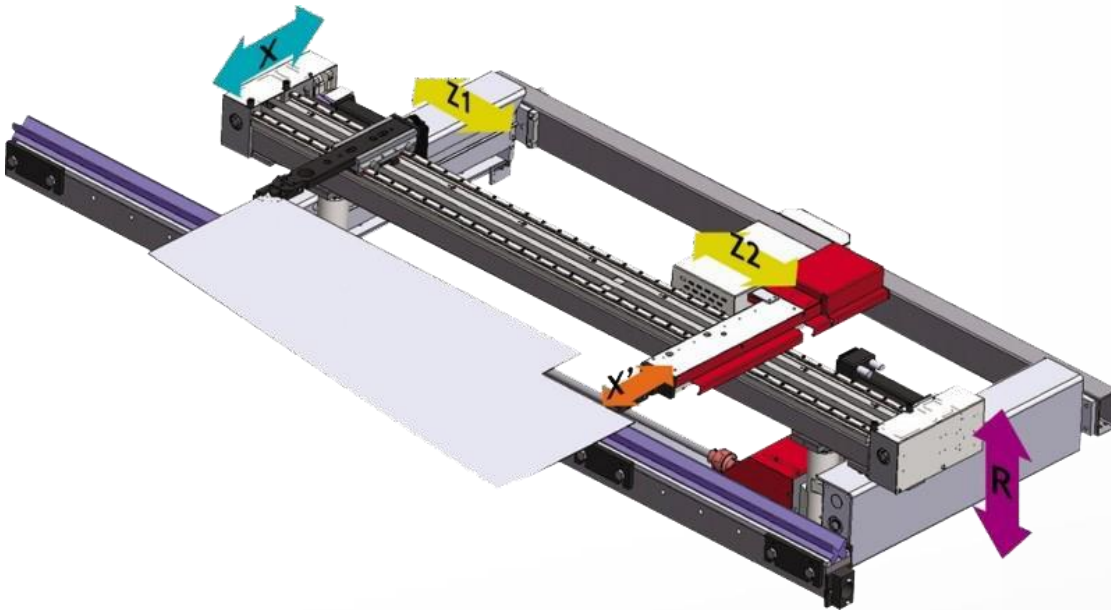


MB8 PRESS BRAKE CYLINDERS

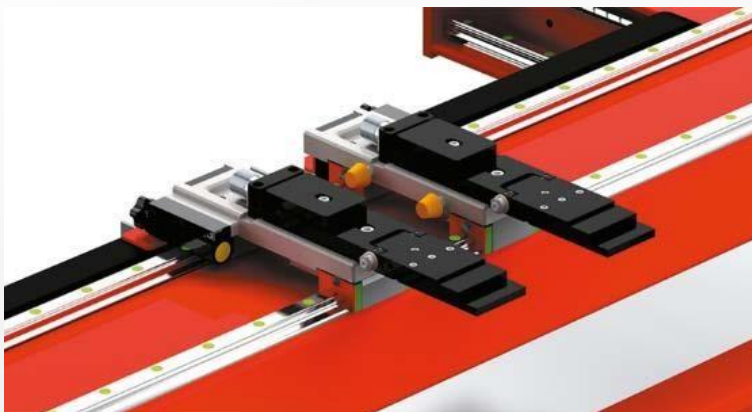
In order to allow tilting of the ram without damage, because we use spherical connections. This type of connection also allows peak forces to be absorbed gently.



BGA-2 for X,R -AXES CNC BACK GAUGE SYSTEM



CNC controlled back gauge that automatically adjusts the X (depth) and R (height) axes to ensure your material is always positioned accurately, resulting in higher quality finished parts. Axes movements are driven by Mitsubishi AC Servo Motors and Mitsubishi drives. Using the best components, such as HIWIN linear guides, ball screws, our back gauge movements are fast and precise, with X-axis speeds up to 400 mm/sec and accuracy to 0,01mm.

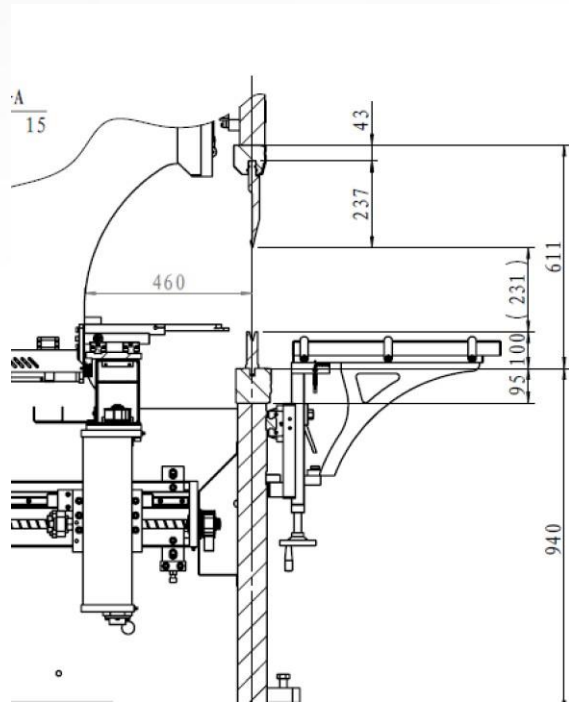


Finger stop Mod. 9P



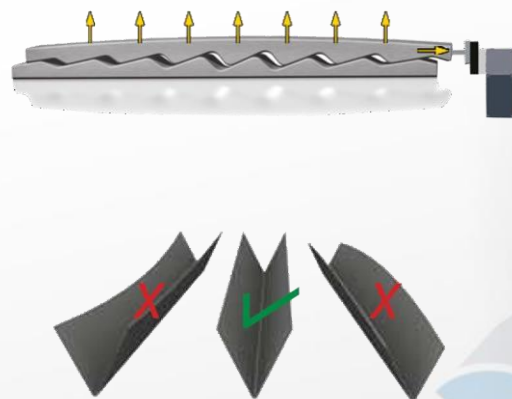
SIDE LOOKING

- The machine throat depth is 450mm which is provide you big gap for your bendings.
- The machine is equipped with european style top & bottom tools.
- Machine open height is 560mm which is the innovative solution for press brakes.
- Machine has mechanical wila bottom tool clamping system which is standard.
- Machine top beam is designed for hydraulic top tool clamping system also. If requested, customer can assemble wila hydraulic top clamping system.



ACCURL PRO CNC TABLE CROWNING

This feature eliminates the need for time consuming shimming by creating an adjustable crown in the middle of the table. In this system and over under wedge system creates a stable crown to the center of the table or bed . The CNC controlled system is automatically set based on programmed part information.



PCSS-A SAFETY PLC TECHNOLOGY

Press Brake design streamlined with PCSS-A + Optical Protection & Imaging

PCSS-A0

1. Input and output connections.
2. LCD display.
3. Display navigations buttons.
4. TX & RX connections for LZS-1, LZS-2 and light curtains.
5. Linear encoder input and output connections (Y1).
6. SmartLink communications.
7. Software transfer and diagnostics.



OEM Embedded LAZERSAFE LZS-2 BLOCK LASER

The Lasersafe are Advancements in camera-based technology make it possible to implement Special Functions that deliver higher levels of safety for the machine operator as well as greater operational stability in various environments, enhanced functionality and improved productivity.

LZS-2

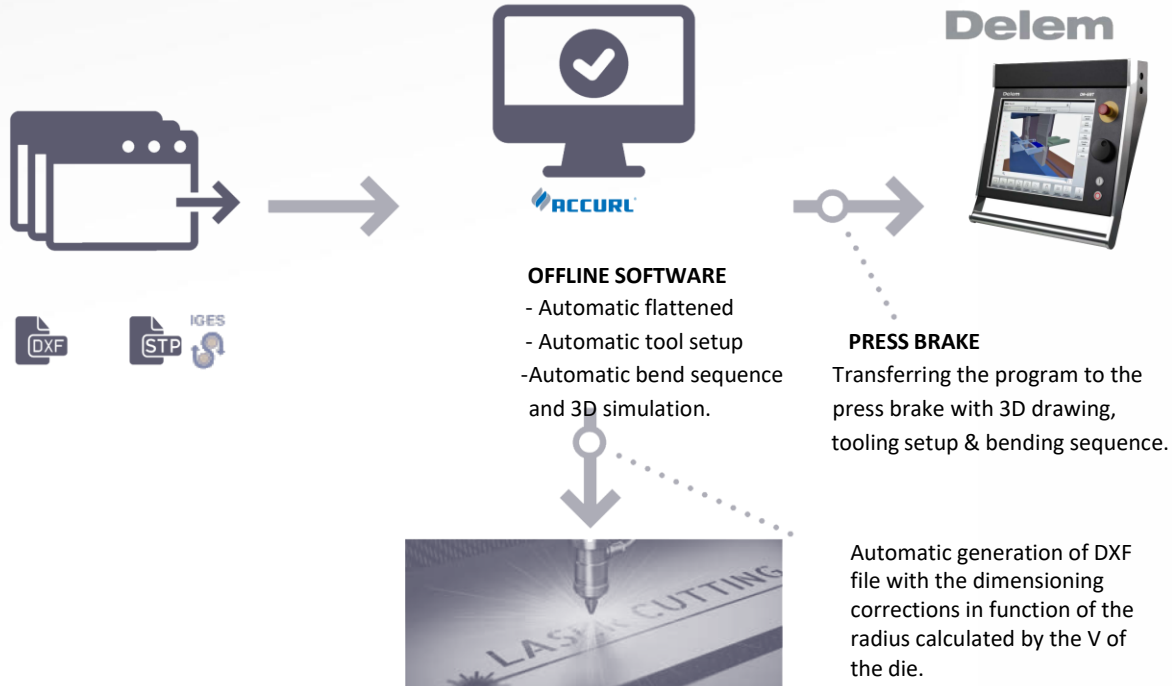


CLASS 1
BLOCK LASER 

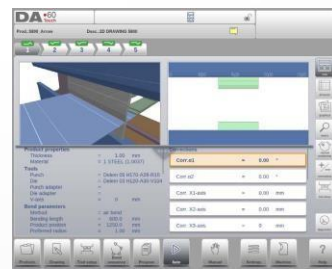
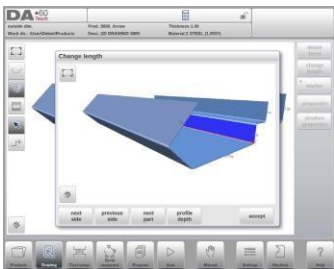
1. M12 plug for connection to PCSS-A
2. Status LEDs - Power / Laser
3. Status LEDs - Power / Front/middle/rear Sensors

DELEM PROFILE TD OFFLINE SOFTWARE

- The Profile T3D offline software is an indispensable tool to increase the profitability of a machine. And all [Accurl® machines have offline software](#) included depending on the machine control.



- The Profile T3D is an application for the programming and the simulation of a Press Brakes machines with a CNC, used to increase productivity, decrease downtime and reduce material wastage.



IMPORT AND UNFOLDS: IGES, STEP 3D parts **TOOLING:** Availability of the fractionation **BENDING:** Bend By bend graphics

General features:

- Direct import from SolidWorks, Solid Edge e Inventor
- Import and unfolds IGES and STEP 3D parts
- Availability of the fractionation of the tools
- Automatic position back gauge supporting
- Automatic calculation of the back gauges backing
- Dynamic collision analysis (e.g. backgauge movement)
- 3D simulation of the bending process with collision detection
- Tool information and tool setup details

	2D	3D
Profile TL	●	-
Profile T2D	●	-
Profile T3D	●	●
PC RA	●	●
Radbend	●	●

DELEM DA66T 3D CONTROL CNC UNIT

The DA-66T offers 2D programming that includes automatic bend sequence calculation and collision detection. Full 2D machine set-up with multiple tool stations giving true feedback on the product feasibility and handling.



Successfully controlling precision & productivity Nowadays, modern sheet metal production is inconceivable without high performance software. Highly effective control algorithms optimize the machine cycle, reduce the time required for set-up and ensures consistently high quality.

DA-66T features:

- 2D graphical touch screen programming mode
- 3D visualisation in simulation and production
- 17" high resolution colour TFT
- Full Windows application suite
- Delem Modusys compatibility (module scalability and adaptivity)
- USB, peripheral interfacing
- Open system architecture
- Sensor bending & correction interface

READY FOR INDUSTRY 4.0(EXCLUSIVE):

ACCURL puts industry 4.0 within the reach of companies™

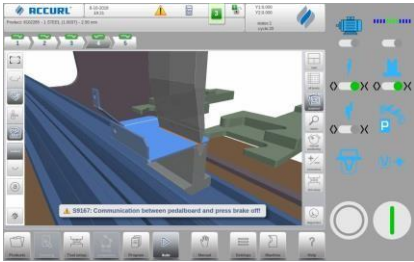
The future of manufacturing is undoubtedly digital. With the fourth industrial revolution taking over (a.k.a Industry 4.0), the Industrial production must adapt and cannot escape to the new reality of Industry 4.0, a production model in which all elements of the chain must be interconnected and communicate with one another.



Digitally connected manufacturing is key to increasing the levels of productivity and efficiency, also achieving a completely transparent process since these digital solutions and automation provide production information in real time.

The software designed and created by ACCURL® enables the production of totally individualized products with lower cost and delivery time, design, produce and sell products in less time or create shorter and more profitable production series determining factors to maintain competitiveness. and all this provides our customers with the possibility of obtaining a tailor-made production, totally individualized and adapted to their needs.

ACCURL® advocated its own new IoT technology as “Intelligent Internet of things factory”, termed the “Smart-Factory”.

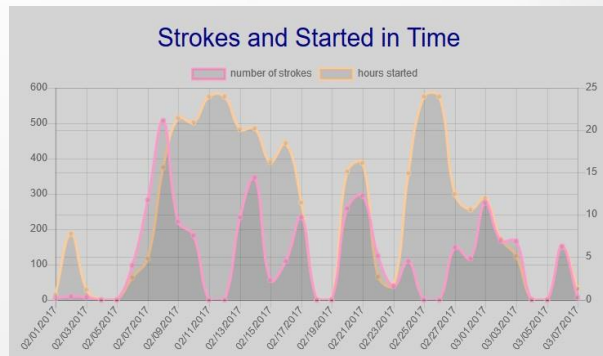
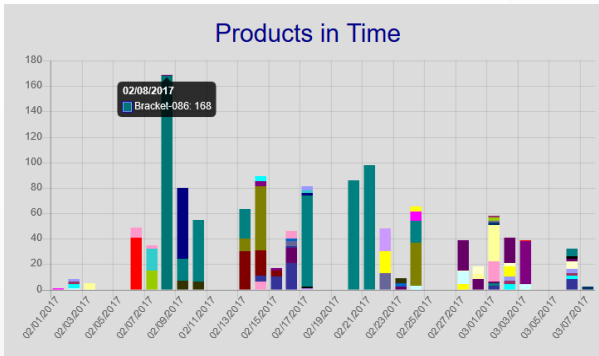


Designed in a responsive web environment, possibility to use Delem Profile T3D software to simulate, it is accessible from smartphones and tablets also. The bending process and program the press brake with files transmission via USB port, LAN or Wi-Fi.



Make correctioris to the bending process easily on the tablet PC control!

Productivity Monitor™



Thanks to the advanced ACCURL® CNC and interconnecting ad-hoc software tools like the “Smart Factory” make it possible for companies to enter industry 4.0 that is revolutionizing the reality of companies. you can extract data and share information at company level: bending programs, sensors, production statistics.

NEW HYBRID-ECO-FUNCTION

A package of innovative and customer-oriented solutions aimed at reducing machine consumptions.

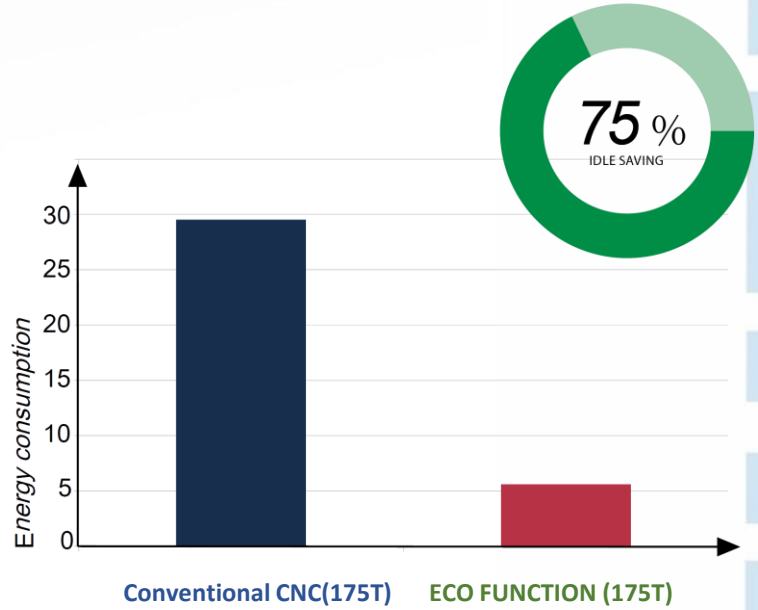
ACCURL® promotes a friendly environmental policy, and, as such, all our equipment features the Hybrid Eco Function..

- This hybrid servo-drive system positioning accuracy at target position.
- The depending on cycle characteristics and rating, servo pump drives achieve energy savings.

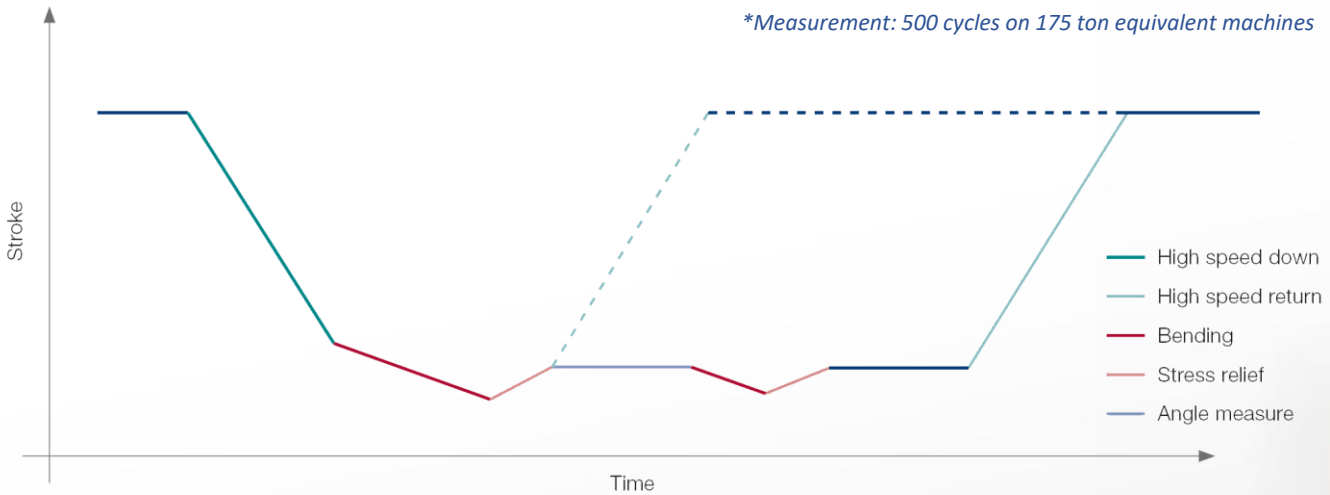


ADVANTAGES:

- ▶ Lower Energy Consumption
- ▶ Remarkable Noise Reduction
- ▶ Clearly Reduced Cooling Effort
- ▶ More Than %30 Oil Save
- ▶ Higher Operation Speeds
- ▶ Higher Stroke More Flexibility

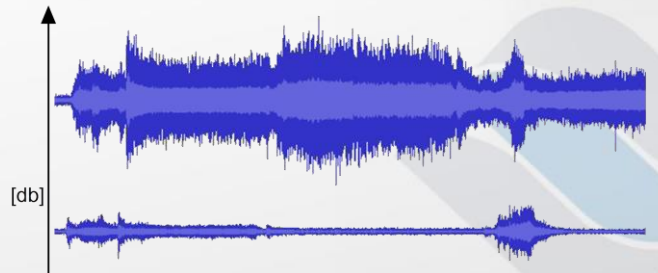


**Measurement: 500 cycles on 175 ton equivalent machines*



CUSTOMER BENEFITS:

- High dynamic for a higher productivity of the machine.
- Compliance with EU Directives.
- Lower energy for a green Machine.
- Lowered sound pressure level at 50 dB.
- The servo-motor, with closed loop speed control.
- Energy efficiency of up to 35 % compared to conventional systems.
- Operating cost is min due to low energy consumption. Thus, it gives advantages to the user with high efficiency & low operationcost.



WILA NEW STANDARD PRO CLAMPING SYSTEM

Increase your pressbrake productivity:

• The [Wila's 'New Standard' Tooling System](#) has become market leader for precision, quality and flexibility for the Accurl press brake. The WILA's state-of-the-art clamp systems offer optional for the ultimate efficiently changing tools with Smart Tool Locator® (STL)* have made the changeover process easier and safer. and Premium is available as an option.



Advantage:

- Hydraulic power source
- Quick clamping for Europe style tooling
- Simple push-button loading
- Max. load head/shoulders 180 t/m



Optional for Smart Tool Locator® (STL)

Increase your pressbrake productivity

• The [Smart Tool Locator \(STL\)](#) further increases your pressbrake productivity. The system indicates by means of built-in LED's the right clamping position of your tooling during tool set up and indicates the active tool location in production mode.

The Smart Tool Locator offers significant benefits in speed, precision and flexibility.

TOOL HOLDERS New Standard Pro:

• This WILA® system enables the user to offset deformations of the beam while bending. thus, the angle is keeping constant along the entire plate length.



Advantage:

- Easy reversibility of tools
- Hydraulic Clamping
- Quick clamping for the dies



Standard:

- Tool slot CNC-Deephardened®
- Drive unit CNC, Motor at one end
- Designed for press brakes with UPB-II hole pattern

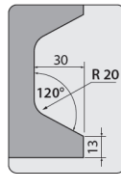
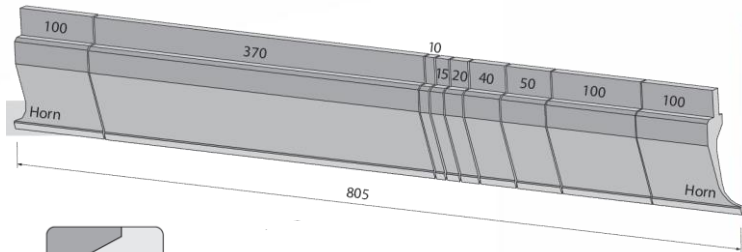
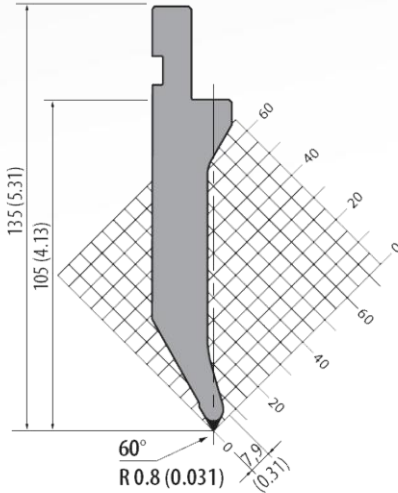
Optional:

- [Smart Tool Locator® \(STL\)*](#)
- Drive unit CNC, Motor completely built-in
- WILA CNC Crowning adjustment

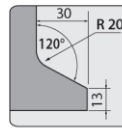
EUROPE STANDARD TOOLING:

Increase your pressbrake productivity:

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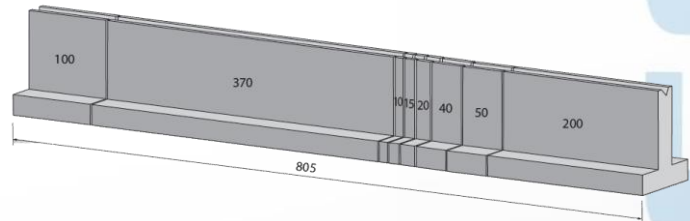
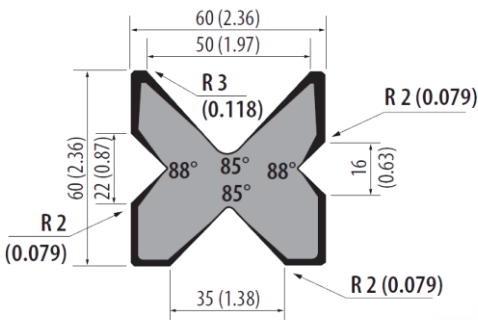


HORN 2 TOP

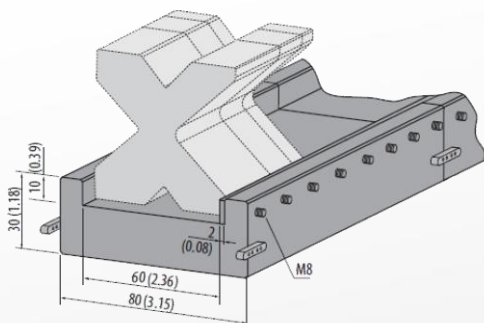


HORN 2/A TOP

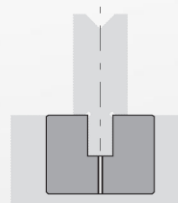
M.460



AD18 Example of Application



AD25 Example of Application



ACCURL® use all Raw material is provided by qualified suppliers and chemical composition corresponds to international standards. Therefore, raw material yield and tensile strength are guaranteed and standardized with a 8.4 x 3.5 mm safety groove, which keeps the tool from falling out.

TECHNICAL FEATURES:

MODEL	Unit	Euro Pro B32135 (135 ton x 3200mm) Y1 , Y2 , X , R,Z1,Z2-axis with Crowning
CNC Control Axis		
Bending force	Ton	135
Bending length	mm	3200
Positioning accuracy	mm	0.005
Distance between columns	mm	2700
Beam Stroke	mm	200
Daylight	mm	430
Throat Depth	mm	400
Table width	mm	100
Working table height	mm	940

WORKING SPEED:

Rapid Speed	mm/sec	200
Work Speed	mm/sec	0~10
Return Speed	mm/sec	150

BACKGAUGE:

Max Travel X- Axis	mm	600
Max Travel R- Axis	mm	200
Finger Block	Pcs	2

CAPACITY:

Hydraulic pressure	Bar	275
Hybrid Servo Motor	KW	11
Ambient temperature range	°C	0 bis To +40
Overall dimensions	mm	4200×1800×2660
Machine weight	Kgs	8400
Power supply		AC 220V~480V,3ph,50/60HZ

CONFIGURATION:

CNC Control System	DELEM DA66T CNC System from Netherlands
Electrical components	SCHNEIDER Electrical from Germany
Main Motor	SIEMENS Electrical from Germany
Laser Safety Protection	LaserSafe from Austrilia
Precision linear	GIVI from Germany
Servo motor/ Servo drive for BackGauge	Taiwan DELTA Servo Motor & Driving System
Foot switch	PIZZATO From Italian Brand
Hybrid System	HOERBIGER Hydraulic system for Germany
Connection Block	HOERBIGER Hybrid System from Germany
Ball Screw/ Liner guide	HIWIN from TaiWan Brand
Top and Bottom Hydraulic Clamping	WILA Press Brake Tooling System from Netherlands