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ACCURL . com

MACHINERY

Shaping your future

SINCE
1988

Sheet metal
working
machines



Industrial Park in Bowang Special
Economic Zone Maanshan
Anhui | China

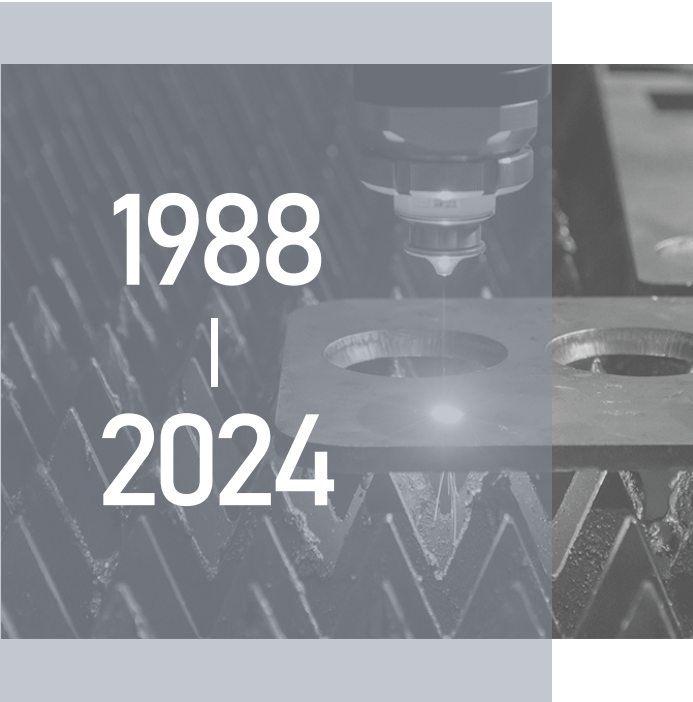
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PINNACLE OF CNC BENDING TECHNOLOGY

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 hybrid & electric servo bending technology to the bending of sheet metal in 1988, thus gaining a substantial technological edge over the competition.

It is a lean and dynamic company that builds customised automated cutting, welding and bending systems and has a widespread sales network around the world.

SINCE
1988
Sheet metal
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HYDRAULIC PRESS BRAKE MB7 SERIES

The MB7 Series NC Press Brakes are optimal for the forming of parts with a low operation cost.Easy Bend B Series NC Press Brakes have Torsion bar synchronous NC two axis control capability just like our larger Press Brakes.



STANDARD EQUIPEMENT

- ESTUN E310P NC control System
- Plate Support Arms
- FIRST from USA
- Germany EMB Tubing connector
- Germany Siemens Main Motor
- Telemecanique/Schneider Electrics
- Hydraulic & Electrical overload protection
- Top and Bottom Tooling(86°,R0.6mm)
- Estun servo package
- Powered Depth Y-axis & Back gauge X-axis
- HIWIN Ball screws & Polished rod with 0,05 mm accuracy

OPTIONAL EQUIPEMENT

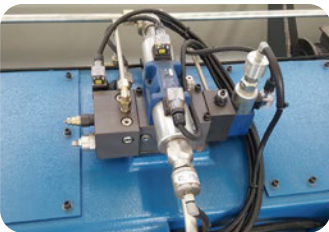
- DELEM DA41T CNC System
- Manual Crowning System
- DSP Optical Safety Guard

OPTIONAL EQUIPEMENT

- BGA-4 for X=650mm X,R,Z1,Z2
1.EN12622:2009+ A1:2013
2.ENISO12100:2010
3.EN60204-1:2006+AI:2009
- Front finger Protection(Safety light curtain)
- South Korea Kacon Foot Switch(Level4of safety) Back metal safe fence with CE standards
- Safety relay with Monitor the pedal switch& safety protection



Germany Estun E310P NC System



Germany Bosch-Rexroth Hydraulic System



BackGauge with Linear guide



Manual Crowning System-Optional

SPECIFCATIONS

Type (MB7)	Bending Capacity KN	Bending Length mm	Between Columns mm	Throat Depth mm	Slide Stroke mm	Stroke Adjustment mm	Max. Shut Height mm	SPM min-1	Main Motor Power kw	Net Weight kg	Outline Size (L×W×H) mm
40T/1600	400	1600	1250	230	100	80	320	≥ 11	5.5	3000	2100×1250×2050
63T/2500	630	2500	1900	250	100	80	320	≥ 10	5.5	4150	2850×1890×2150
80T/2500	800	2500	1900	320	100	80	360	≥ 10	7.5	4800	3180×1750×2350
80T/3200	800	3200	2600	320	100	80	360	≥ 10	7.5	5580	3820×1700×2350
100T/2500	1000	2500	1850	320	120	100	390	≥ 10	7.5	5850	2850×1750×2360
100T/3200	1000	3200	2550	320	120	100	390	≥ 10	7.5	6500	3790×1700×2350
100T/4000	1000	4000	3350	320	120	100	390	≥ 10	7.5	7800	4590×1745×2450
125T/2500	1250	2500	1850	320	130	130	390	≥ 10	11	6100	3190×1945×2420
125T/3200	1250	3200	2550	320	130	130	390	≥ 10	11	7300	3790×1935×2420
160T/2500	1600	2500	1950	330	200	200	465	≥ 6	11	8900	3300×2225×2560
160T/3200	1600	3200	2540	330	200	200	465	≥ 6	11	9720	4100×2250×2560
160T/4000	1600	4000	3140	330	200	200	465	≥ 6	11	11160	4800×2250×2560
160T/6000	1600	6000	4800	330	200	150	465	≥ 6	11	18600	6400×2250×2960
200T/3200	2000	3200	2550	350	230	160	515	≥ 3	11	12500	3750×2180×2950
200T/4000	2000	4000	3260	350	200	160	515	≥ 3	11	14300	4450×2180×3000
200T/6000	2000	6000	4800	350	200	160	515	≥ 3	11	21300	6420×2180×2900
250T/3200	2500	3200	2540	400	250	180	535	≥ 3	18.5	13900	3840×2250×2920
250T/4200	2500	4200	3140	400	250	180	535	≥ 3	18.5	15320	4840×2250×2920
250T/6000	2500	6000	5000	400	250	180	500	≥ 3	18.5	18600	6420×2250×2980
300T/4000	3000	4000	2900	400	250	180	535	≥ 3	22	24400	4400×2250×3115
300T/6000	3000	6000	4900	400	250	180	535	≥ 3	22	29100	6400×2250×3520
400T/4000	4000	4000	3140	400	320	220	600	≥ 2.5	37	30100	4800×2625×3700

CNC PRESS BRAKE EURO PRO SERIES

ACCURL® EURO-PRO Series press brake features an CNC crowning system for improved quality, a servo driven back gauge system for increased speeds, and 3D capable graphical control unit to simulate bending sequences and collision points.Also has increased working speeds, stroke, daylight, and pressing capacities of PRO Series machines.

The future - as a result of rising energy costs and increasingly cost efficient speed-controlled drives offered on the market, variable-speed solutions are on the advance.



STANDARD EQUIPEMENT

- DELEM DA-58T CNC control unit with 2D graphics
- Y1, Y2 precision ram positioning
- Standard BGA-2 for X, R-axis (X=800mm,R=200mm
- CNC motorized wave crowning
- HOERBIGER hydraulic valve block, pump and valves
- High Siemens efficiency motor– class IE3
- Stand By Function for energy-saving drive.
- Rear cover: Safety barriers (Category IV)
- Offline software Delem Profile-TL
- OEM Embedded Lazersafe Systems PCSS A0 + LZS-2 Block Laser

OPTIONAL EQUIPEMENT

- Control unit – DELEM DA66T or DELEM DA69T
- Hybrid Servo ECO Function (ECOPOWER technology) 4.0
- CE OEM Embedded LazerSafe PCSS A1 + IRIS
- BGA-4 for X=650mm X,R,Z1,Z2
- BGA-4 for X=800mm X,R,Z1,Z2 with Rear Supports
- BGA-6 for X=800mm X1,X2,R1,R2,Z1,Z2
- Delta X5 axis ± 125 mm with CNC Controlled
- Data M Angle Measurement System LaserCheck 11
- Angle Measurement System for Lazersafe PCSS IRIS Plus
- WILA Hydraulic Tools Clamping Systems
- AP01-AP02 Front Sheet CNC Followers for 2 x 160Kgs each.

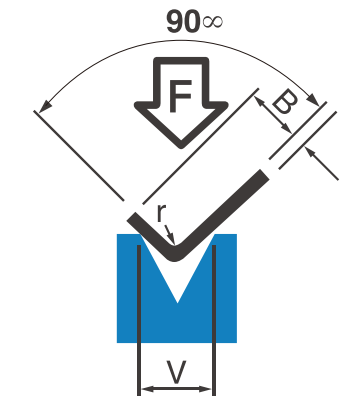
SPECIFICATIONS

Model	Bending length	Tonnage	Throat Depth	Beam Stroke	Daylight	Approach Speed	Slow Speed (Work Speed)	Return Speed	Oil Capacity	Back Gauge Stroke	Motor Power	Total Length (A)	Total Height (B)	Total Width (C)	Distance Between Frames	Height Under the Floor	Approx. Weight
												Dimensions					
	mm	ton	mm	mm	mm	mm/s	mm/s	mm/s	Lts	mm	kW	mm	mm	mm	mm	mm	kg
EURO PRO B1540	1500	40	250	200	395	180	0-10	130	55	500	4	2780	2290	1420	1600	0	3300
EURO PRO B2580	2500	80	320	200	395	180	0-10	120	125	800	5.5	3350	2520	1530	2100	0	5600
EURO PRO B25110	2500	110	400	200	430	180	0-10	180	125	800	7.5	3650	2630	1800	2100	0	7100
EURO PRO B3280	3200	80	400	200	430	180	0-10	160	125	800	7.5	3850	2520	1530	2600	0	6500
EURO PRO B32110	3200	110	400	200	430	180	0-10	160	125	800	7.5	3880	2520	1550	2600	0	8100
EURO PRO B32135	3200	135	400	200	430	190	0-10	130	160	800	11	3880	2650	1860	2600	0	8500
EURO PRO B32175	3200	175	400	200	430	180	0-10	120	200	800	15	3900	2710	1780	2600	0	10000
EURO PRO B32220	3200	220	400	200	395	160	0-10	120	200	800	18.5	3920	2740	1930	2600	0	11000
EURO PRO B32250	3200	250	400	250	465	180	0-10	110	300	800	22	3950	3180	2020	2600	0	13000
EURO PRO B32320	3200	320	400	250	465	170	0-10	110	345	800	30	3950	3180	2020	2600	0	14000
EURO PRO B40110	4000	110	300	200	430	160	0-10	125	125	800	7.5	4880	2520	1550	3100	0	8900
EURO PRO B40135	4000	135	400	200	430	190	0-10	125	160	800	11	4880	2650	1860	3100	0	10000
EURO PRO B40175	4000	175	400	200	430	180	0-10	115	200	800	15	4900	2720	1900	3100	0	11000
EURO PRO B40220	4000	220	400	200	470	160	0-10	115	200	1000	18.5	4920	2740	1930	3100	0	13200
EURO PRO B40250	4000	250	400	250	470	180	0-10	110	300	1000	22	4920	3180	2020	3100	0	15300
EURO PRO B40320	4000	320	400	250	470	160	0-10	110	345	1000	30	4960	3180	2020	3100	0	16800
EURO PRO B40400	4000	400	300	300	520	170	0-10	100	380	1000	37	4980	3470	2300	3100	0	24000
EURO PRO B40450	4000	450	300	300	520	150	0-10	100	380	1000	37	4980	3510	2300	3100	0	25600
EURO PRO B40500	4000	500	300	300	520	150	0-10	90	380	1000	37	5000	3520	2360	3100	0	28000
EURO PRO B40600	4000	600	300	350	570	140	0-10	80	500	1000	55	5020	3580	2500	3100	900	31000
EURO PRO B60110	6000	110	400	200	430	170	0-10	115	125	800	7.5	6880	2700	1900	5100	0	13000
EURO PRO B60135	6000	135	400	200	430	170	0-10	115	160	800	11	6880	2780	1900	5100	0	15000
EURO PRO B60175	6000	175	400	200	430	170	0-10	110	200	800	15	6900	2880	2000	5100	0	18000
EURO PRO B60220	6000	220	400	200	470	150	0-10	100	200	1000	18	6920	2980	2050	5100	1150	21000
EURO PRO B60250	6000	250	400	250	470	150	0-10	100	300	1000	22	6960	3380	2100	5100	1200	27000
EURO PRO B60320	6000	320	400	250	470	150	0-10	100	345	1000	30	7000	3380	2100	5100	1200	31000
EURO PRO B60400	6000	400	400	300	520	140	0-10	75	380	1000	37	7040	3520	2430	5100	1350	40000
EURO PRO B60450	6000	450	400	300	520	140	0-10	75	380	1000	37	7040	3520	2430	5100	1350	50000
EURO PRO B60500	6000	500	400	300	520	140	0-10	75	380	1000	37	7080	3660	2430	5100	1700	55000
EURO PRO B60600	6000	600	400	350	570	130	0-10	75	500	1000	55	7080	3760	2500	5100	1700	65000
EURO PRO B70600	7000	600	400	300	640	70	0-10	70	650	1000	2x37	7080	3760	2800	5050	1800	67000
EURO PRO B60800	6000	800	500	400	820	70	0-10	70	800	1200	2x37	7000	3760	2950	5760	1800	102000
EURO PRO B80800	8000	800	500	400	820	70	0-10	70	950	1200	2x37	7160	3760	3050	6200	1800	115000
EURO PRO B100800	10000	800	600	400	820	70	0-10	70	1200	1200	2x45	7240	3900	3100	6200	1800	130000
EURO PRO B601200	6000	1200	600	400	920	65	0-10	65	1200	1250	2x45	7000	3900	3200	4760	1800	130000
EURO PRO B801200	8000	1200	600	400	920	65	0-10	65	1500	1250	2x45	7160	3900	3300	5200	1800	155000
EURO PRO B801600	8000	1600	600	400	920	60	0-10	60	1500	1250	2x55	7200	4200	3400	6200	1800	190000

BENDING TABLE

Required bending power (Ton/m)
Rm=42 daN/mm²-Rm=70 daN/mm²

S (mm)																						
R	B	V	0,5	0,6	0,8	1	1,2	1,5	2	2,5	3	4	5	6	8	10	12	15	20	25	30	
0,5	3	4	4 ₇	6 ₁₀	12 ₂₀																	
0,7	3,5	5	3 ₅	5 ₈	9 ₁₅	15 ₂₅																
0,8	4	6	2 ₄	3 ₆	7 ₁₂	11 ₁₉	18 ₃₀															
1	5,5	8		2 ₄	5 ₈	8 ₁₃	12 ₂₁	21 ₃₅														
1,3	6,5	10			4 ₆	6 ₁₀	9 ₁₅	15 ₂₆	30 ₅₀													
1,5	8	12				5 ₈	7 ₁₂	12 ₂₀	23 ₃₈	39 ₆₆												
2	10,5	16					5 ₈	8 ₁₃	16 ₂₆	27 ₄₅	44 ₇₁											
2,5	13	20						6 ₁₀	12 ₁₉	20 ₃₃	31 ₅₂	60 ₁₀₁										
3,2	16,5	25							9 ₁₅	14 ₂₄	23 ₃₈	44 ₇₃	76 ₁₂₆									
4,4	21	32								11 ₁₈	16 ₂₇	32 ₅₃	54 ₉₀	85 ₁₄₂								
5	26	40									12 ₂₁	23 ₃₈	39 ₆₆	62 ₁₀₃		121 ₂₀₂						
6,5	32,5	50										18 ₃₀	29 ₄₈	45 ₇₆	88 ₁₄₇	151 ₂₅₂						
8	41	63											22 ₃₇	33 ₅₅	70 ₁₁₇	109 ₁₈₂	173 ₂₈₈					
10	52	80												25 ₄₂	46 ₇₇	79 ₁₃₁	124 ₂₀₇	213 ₃₅₄				
12	65	100													35 ₅₉	58 ₉₆	91 ₁₅₁	155 ₂₅₈	302 ₅₀₄			
15	81,5	125														44 ₇₄	66 ₁₁₀	113 ₁₈₉	220 ₃₆₇	373 ₆₃₀		
20	104	160															50 ₈₃	81 ₁₃₅	263 ₄₄₈	425 ₇₀₉		
25	130	200																62 ₁₀₄	115 ₁₉₂	197 ₃₂₈	310 ₅₁₇	
37	163	250																	89 ₁₄₈	144 ₂₄₀	227 ₃₇₈	
45	195	300																		120 ₂₀₀	173 ₂₈₈	



HYBRID PRESS BRAE GENIUS PLUS SERIES



GENIUS range is fully configurable following the customer's need.
The standard range features models with capacities varying from 30 to 600 ton.
Furthermore, ACCURL is capable of building machinery with different configurations upon customers' request.



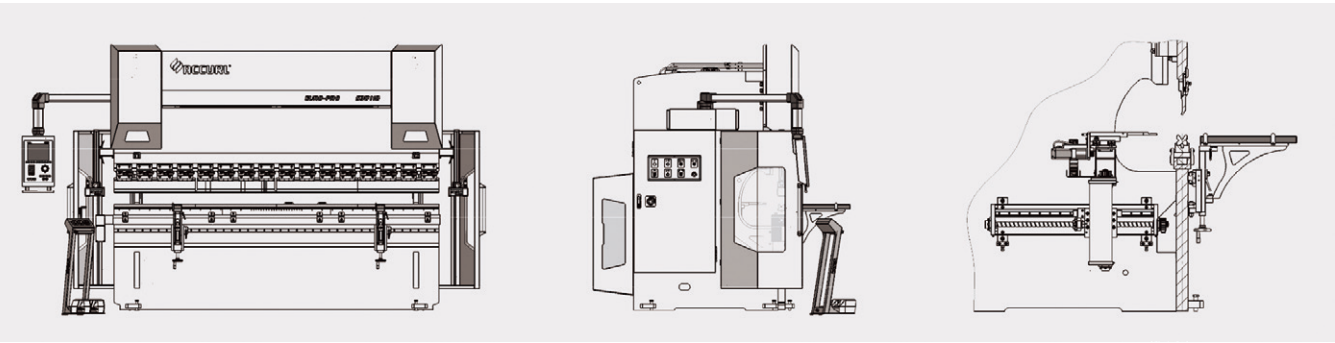
GENIUS fully configurable most common customizationstroke, daylight, throat depth, side frame distance.

AFTER SALE SERVICE

ACCURL® enriches its service by means of quality and proximity to the customer.
The competence and experience acquired as manufacturer are key factors for the solutions provided and results chieved.
Failure as well as training or clarification of doubts. We employ highly skilled and experienced technicians to provide custom er's with the best advice, searching for the best metal plate cutting and shaping solutions.

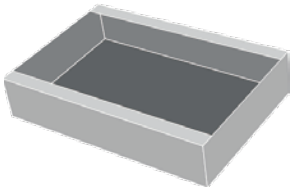
ACCURL' s customer is to have a service of excellence on previous and after-sale counseling and support. We believe that technical assistance is vital to the best equipment performance and, as such, we decided to provide free lifelong training to all our customer' s since 1988.
We guarantee immediate intervention for all emergencies, both regarding mechanical

- We provide our customer' s with qualified technical service, always working with the following goals:
- PROBLEMS SOLUTION AT THE FIRST CONTACT;
 - QUICK ANSWER;
 - ASSURED QUALITY.



eB ULTRA SERVO ELECTRIC PRESS BRAKE

The eB·ULTRA features the advantages of high acceleration, deceleration and fast response times of the servo-electric 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



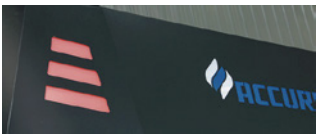
Genius Plus Hydraulic
180mm/s



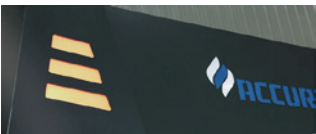
EuroMaster Hybrid
200mm/s



eB Ultra 100% Electric
180mm/s



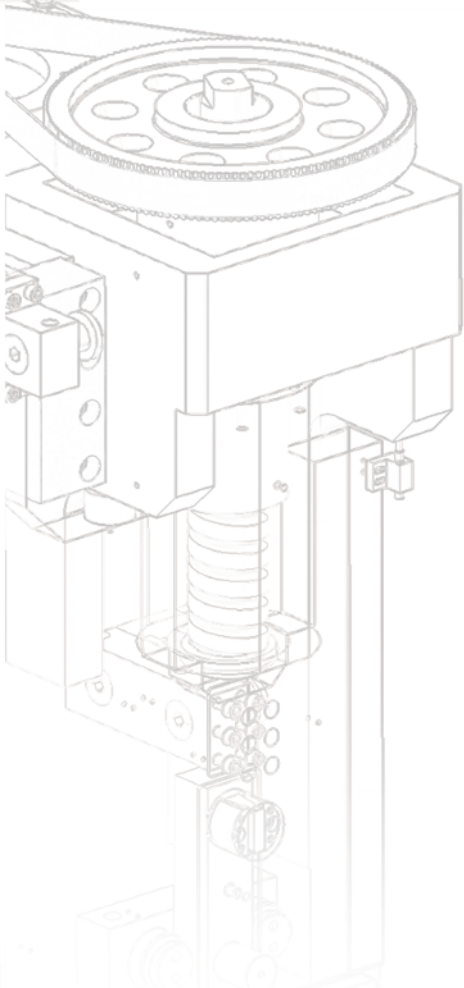
— E-Brake OFF — Reset OK



— E-Brake ON — Reset OK



— E-Brake ON — Reset OK — DNC

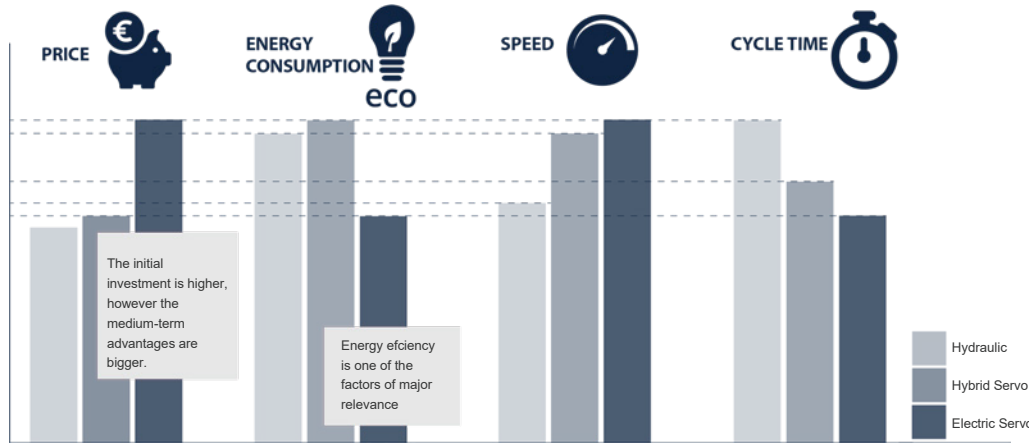


EB · ULTRA

eB·ULTRA is a fully electric machine.Using SYNCHRO technology that controls 2 axes during the bending, thus being able to compensate the axes Y1 and Y2 independently.
This system developed by ACCURL includes the drive through 2 high-quality ball screws with low noise, guided by two servo motors and helical gear boxes in order to guarantee the best performance and durability. This reduce all effects caused by inertia compared to similar systems of the belt. 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.



COMPARATIVE



TECHNICAL SPECIFICATION

	Bending length	Tonnage	Throat depth	Beam stroke	Daylight				Back gauge stroke	Motor power	Total length (A)	Total height (B)	Total width (C)	Distance between frames	Aprox. weight
						Fast	Bending	Return (RS)							
	mm	Ton	mm	mm	mm	mm/s			mm	kW	mm				Kg
eB Ultra 85-25	850	25	120	150	320	220	0-10/30*	230	350	11.2	1450	2050	1180	820	2150
eB Ultra 105-35	1050	35	200	200	320	220	0-10/30*	230	350	15.2	2150	2280	1550	880	3650
eB Ultra 125-35	1250	35	200	270	520	210	0-10/30*	220	500	15.5	2150	2450	1550	1080	4300
eB Ultra 125-45	1250	45	200	270	520	190	0-10/30*	220	500	25.5	2150	2450	1550	1080	4350
eB Ultra 155-45	1550	45	200	270	520	190	0-10/30*	220	500	25.5	2850	2450	1580	1380	4850
eB Ultra 200-45	2050	45	200	270	520	190	0-10/30*	220	500	25.5	3050	2450	1550	1880	5750
eB Ultra 155-60	1550	60	200	270	520	200	0-10/30*	230	500	25.5	2850	2580	1600	1380	6050
eB Ultra 200-60	2050	60	200	270	520	200	0-10/30*	230	500	25.5	2950	2578	1600	1880	6650
eB Ultra 255-60	2550	60	200	270	520	200	0-10/30*	230	500	25.5	3550	2580	1600	2380	7250
eB Ultra 255-80	2550	80	350	270	520	190	0-10/30*	200	600	31.6	3550	2630	1700	2380	7850
eB Ultra 255-100	2550	100	400	300	550	190	0-10/30*	180	600	31.8	3580	3050	1750	2380	8250
eB Ultra 305-100	3050	100	400	300	550	190	0-10/30*	180	600	31.8	4650	3050	1800	2450	8850
eB Ultra 305-130	3050	130	400	300	550	180	0-10/30*	160	600	36.6	4650	3150	1800	2450	9350

* The second speed is only available for some markets Content subject to change without notice. V6.18

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



Genius Plus Hydraulic
180mm/s



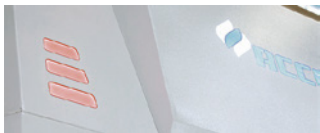
EuroMaster Hybrid
220mm/s



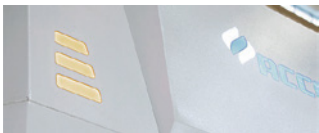
eB Ultra Electric Servo
220mm/s



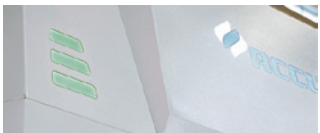
PIPE
NOISE
FILTER
MAINTENANCE
DWELL TIME



— Motor OFF — Reset OK



— Motor ON — Reset OK



— Motor ON — Reset OK — DNC OK

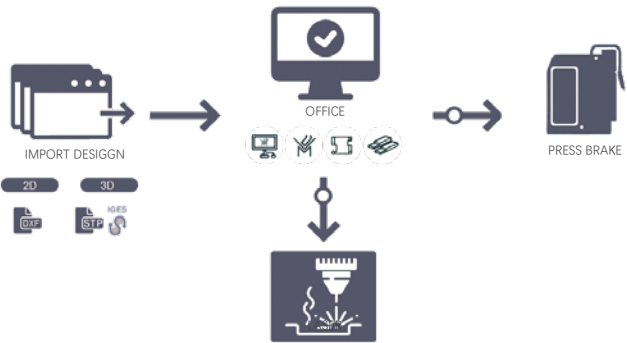
iBend OFFLINE 3D-SOFTWARE*

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.



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

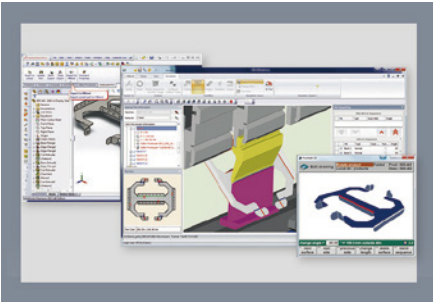


- ADVANTAGE**
- Bend sequence instructions
 - Tool information and tool setup details
 - Product handling
 - Bend-by-bend graphics
 - Bend sequence instructions
 - Flat view with the bend sequence
 - You can generate your report files in several formats: PDF, DOC, RTF, XLS\XLSX, XML, CSV, and RPT

3D SIMULATION AND COLLISION DETECTION

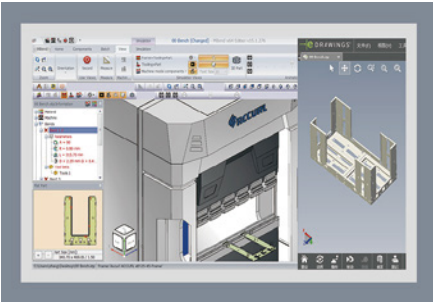
Automatic simulation and collision detection for part,fingers tools,and machine:

- 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

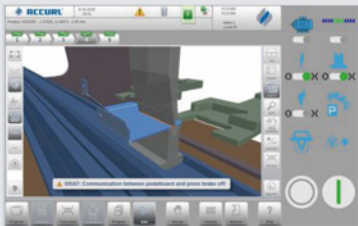
- ADVANTAGE**
- vailability of tool geometry and segments
 - Bend radius
 - Maximum force
 - Collision avoidance
 - **Full support for hemming:**
 - Specify default hemming tools for automatic selection
 - Default and editable Pre-bend angle.



READY FOR INDUSTRY 4.0

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.

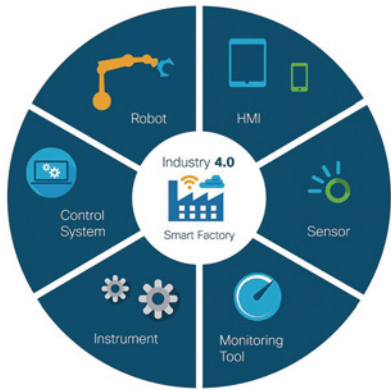
- Digitally connected manufacturing is key to increasing the levels of productivity and efficiency, also achieving a completely transparent process since these digital solutions and automation provide production information in real time.



Designed in a responsive web environment,possibility to use Delem Profile T3D softwares 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!



CONTROL SYSTEM

	DA-53T		DA-58T		DA-66T		DA-69T	
Axes	4	4	4	6	12	12	12	12
Screen	10"	10"	15"	15"	17"	15"	17"	19"
2D graphic view	-	●	●	●	●	●	●	●
3D graphic view	-	-	-	●	●	●	●	●
3D programming	-	-	-	-	-	○	●	○
Auto tooling selection	-	-	-	-	●	○	●	○
Touch screen	●	●	●	●	●	●	●	●
USB ports	1	2	1	2	2	4	2	4
2D DXF import	-	-	-	-	-	●	●	●
3D IGES/STEP import	-	-	-	-	-	-	●	○
3D Offline import	-	-	-	-	○	○	●	○
Export DXF 2D FP	-	-	-	-	-	○	●	○
Offline software	Profile TL	Kvara PC	Profile TL	Kvara PC	Profile TL	Kvara PC	PC Profile T3D	EsaBend 3D - M
	ESA S630		ESA S640		ESA S650W		ESA S660W	

● Standard ○ Opcional

OEM EMBEDDED LAZERSAFE SYSTEM

Performance without compromise.™
ACCURL® use LazerSafe LZS-2 guarding system offers a highly effective solution for both operator safety and machine productivity.Designed for use with Lazer Safe's PCSS A Serie, the Lazersafe is category 4 compliant and meets the world' s most demanding international safety standards(CE Certified Category 4 Safety Controller with integrated).

Advantage

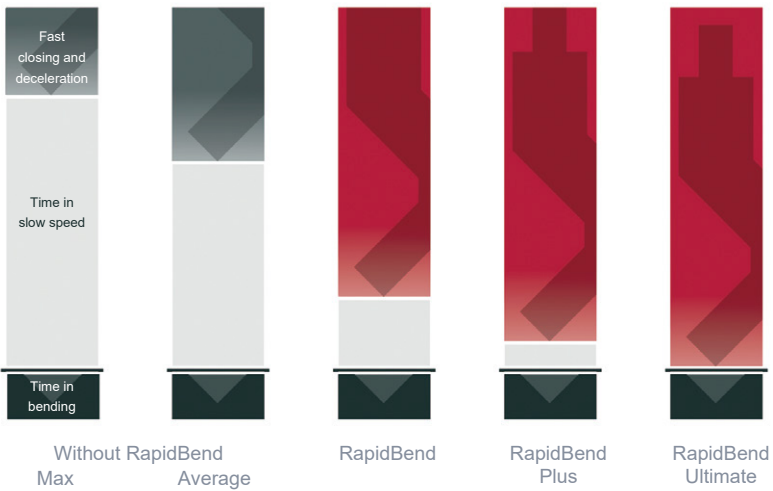
- The most advanced laser systems
- Safety PLCs with manage and monitor
- Constant monitoring of parameters related to safety

Optional

- Lazersafe-PCSS IRIS
- Lazersafe-PCSS A0 LZS-XL
- Lazersafe-PCSS A1 LZS 005-XL(Tandem Adaptor System)

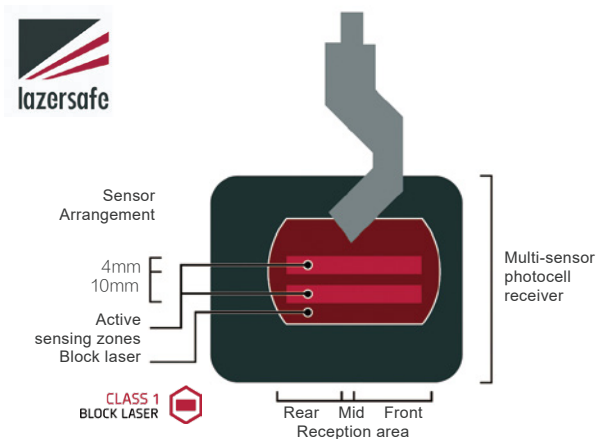
Advantage

- CLASS 1 Dual Block laser
- Fast response time
- Safety speed automatically monitored
- Stopping distance automatically monitored
- Status LEDs - Power / Front/middle/rear Sensors
- Tray mode for high speed bending of tray & box shapes
- Complex shapes can be achieved in high speed with Tray/Box Mode.

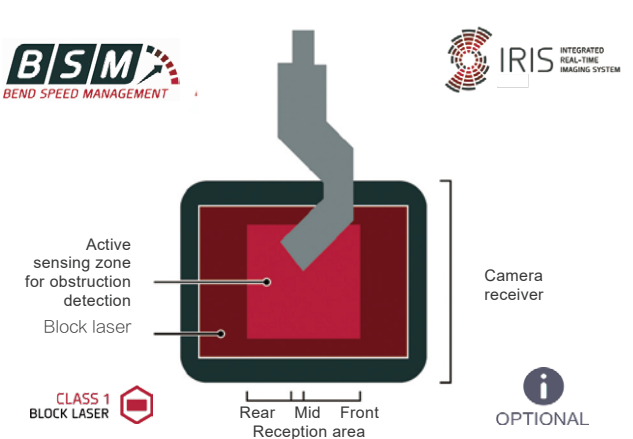


AUTOMATIC TOOL ALIGNMENT

- The systems with a camera receiver feature automatic tool alignment that eliminates the need for precise manual adjustment, and this process can also be fully automated in the CNC via SmartLink, eliminating the need for the operator to press the TOOL ALIGN button.



Standard with LZS-2 Block Laser System



Applies to LZS-XL and IRIS Block Laser System

Certification and standards compliance:

- The OEM Embedded Systems LZS Series and IRIS Series hardware and software is CE Certified and compliant with all international press brake safety standards including EN12622, ANSI B11.3-2012, CSA Z142-10 and NR12.



QUICK CLAMPING

When there are frequent tooling changes,punches or dies can be changed over in a short time by using the quick clamps. The time saved will be more how many times it will be necessary to change the tools.

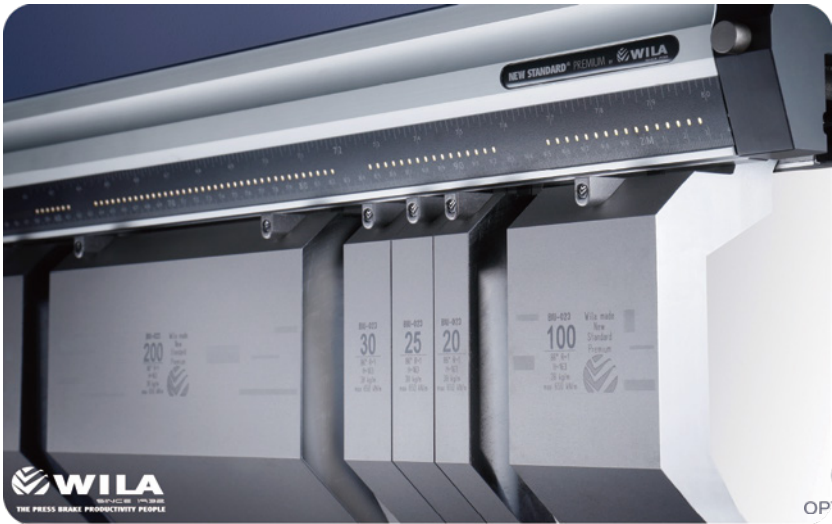
- In all top clamping the punches can be removed directly from the front, so it is not necessary to slide it on one side.
- This operation compared to conventional allows a reduction of times greater than 8x.



WILA PUNCH TOOL CLAMP HOLDERS

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



WILA NEW STANDARD TOOL HOLDERS

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.

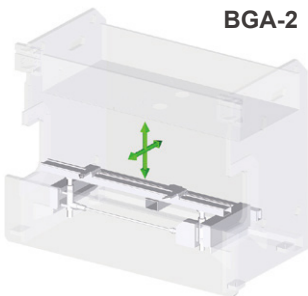
The advantages

- Always provides an extremely consistent bending angle
- Available with automatic or manual drive systems
- Mounted on the right-hand side as standard
- Aluminum Cover strip with integrated slide rule for exact tool positioning
- Compact design which is practically maintenance free

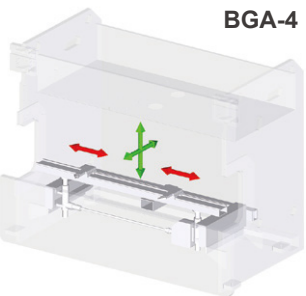


BACK GAUGES

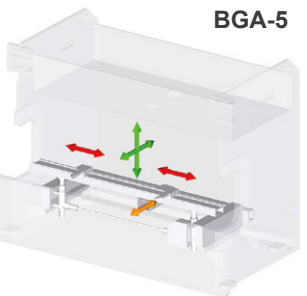
ACCURL® press brake are provided are equipped with BGA Series CNC backgauge constituted by a solid structure in order to assure the best repetitiveness and high precision in axes positioning.



2 axes Y1-Y2-X-R

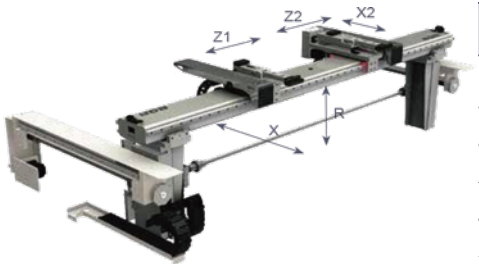


4 axes Y1-Y2-X-R-Z1-Z2



5 axes Y1-Y2-X1-R-X5-Z1-Z2

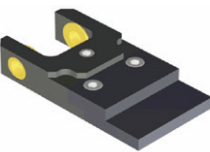
BGA-SERIES



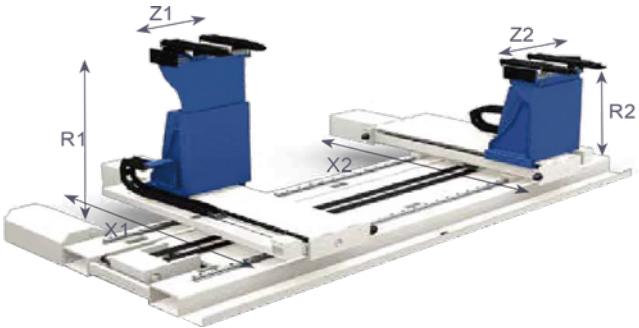
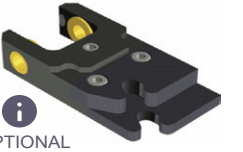
BGA	X [Ⓢ]	R [Ⓢ]	Z1 [Ⓢ]	Z2 [Ⓢ]	X2
Stroke (mm)	750	150	UNDER REQUEST	UNDER REQUEST	190
Speed (mm/s)	500	300	800	800	200
Precision (mm)	±0,02	±0,05	±0,05	±0,05	±0,02
Type of motor	BRUS HLESS	BRUS HLESS	BRUS HLESS	BRUS HLESS	BRUS HLESS
Mechanical system	SCREW	SCREW	RACR	RACR	SCREW

BGA-6

Finger stop Mod. 9L[Ⓢ]



Finger stop Mod. 9P



BGA-6	X 1	X2	R1	R2	Z1	Z2
Stroke (mm)	800	800	200	200	UNDET REQUEST	UNDET REQUEST
Speed (mm/s)	600	600	300	300	1000	1000
Precision (mm)	+0,02	+0,02	+0,02	+0,02	+0,05	+0,05
Type of motor	BRUSHLESS	BRUSHLESS	BRUSHLESS	BRUSHLESS	BRUSHLESS	BRUSHLESS
Mechanical system	SEREW	SEREW	SEREW	SEREW	RACK	RACK

SUPPORTS

FRONTAL SUPPORTS



OPTIONAL

- Supported on sliding guides;
- Can be placed at any point along the length;
- Manual height regulation;
- Millimetric scale;
- Ball transfer units to facilitate handling parts;
- Adjustable plate stop;
- Device for approaching to the die;
- Removable supports;
- Load capacity:
 - <200 Ton: 100 kg per support
 - ≥ 200 Ton: 150 kg per support.

SFS

REAR SUPPORTS



OPTIONAL

With the Thin-support system even thinner sheets are always correctly positioned and guided:

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

Advantage:

Back supports have ball sliders and brushes to protect even the most delicate surfaces
Load capacity – 30 kg per support.

SPA

BENDING ANGLE MEASUREMENT



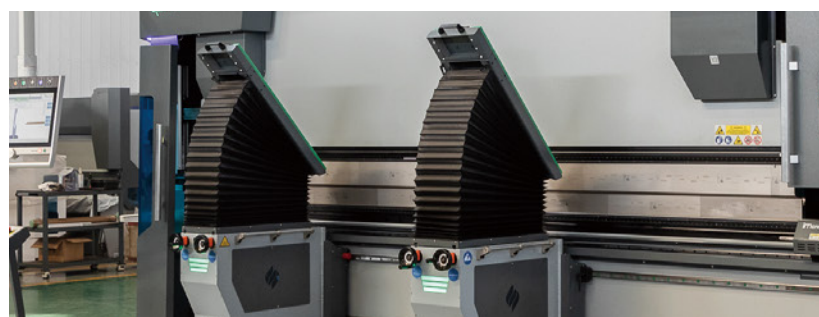
OPTIONAL

ACCURL® iMeasure system manufactured by Data M Engineering, is a bend angle measurement and correction system by means of a laser beam. Detection is carried out in this way .

- A laser beam is projected on the sheet metal surface
- The camera detects the laser beam
- The angle between the beam and the camera axis determines the bend angle.
- Force reduction + calculation of the springback
- Automatic angle correction

LASERCHECK

FOLLOWER SUPPORTS



- Automatic bending follower supports;
- AP1 - AP2 CNC-controlled interpolated axes;
- Recommended for heavy parts or large thin plate;
- Bend as closed as 70°;
- Load capacity – 180 kg per support;
- Brush and support shaft dim 350x900 up to 1200 mm.

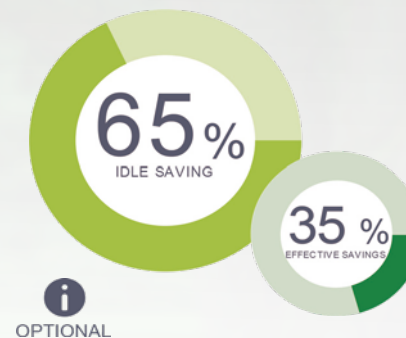
AP01/AP02

NEW Hybrid ECO FUNCTION

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.

- Energy Saver
- Accurate on each cycle
- Economy Proof
- Hi-Speed & Repeatability



Maximum stamina!

➔ It bends and bends and bends....



Easy parameter finding!

Quality ➔ Higher Operation Speeds ➔



Faster & more efficient!

Speed ➔ more than %40 Oil Save ➔

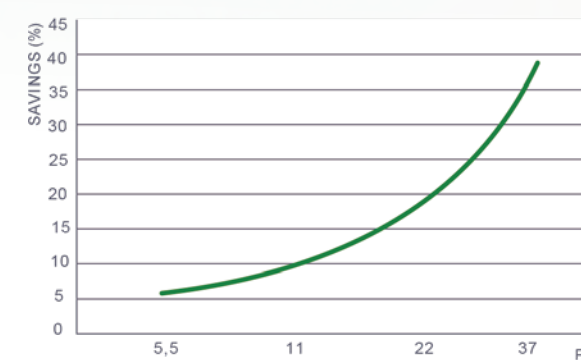


More faster-on-time!

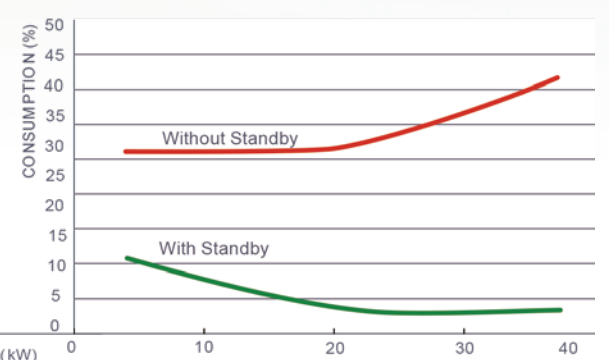
Save time and costs..... ➔



SAVINGS WITH STANDBY TAKING INTO ACCOUNT THE POWER



SAVINGS WITH STANDBY TAKING INTO ACCOUNT THE POWER



CROWNING TABLE

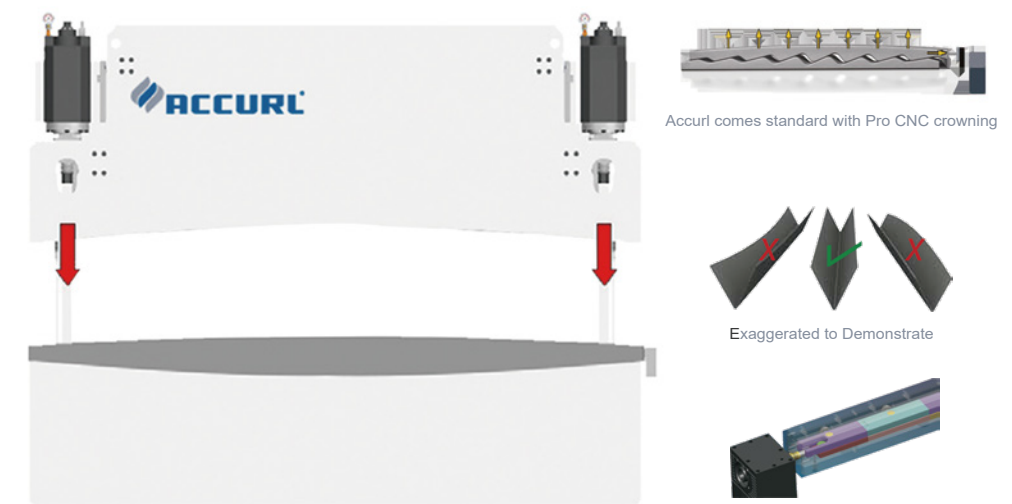
This ACCURL® Pro CNC Crowning system enables the user to offset deformations of the beam while bending. thus, the angle is keeping constant along the entire plate length.

Advantage:

- Easy reversibility of tools because of symmetrical adaption
- Quick clamping for the dies
- Suitable for Europe standard , Amada Tyoe & Single V Dies.

Optional:

- WILA Hydraulic Clamping
- WILA New Standard clamping
- WILACNC Crowning adjustment



HYDRAULIC SWING BEAM SHEARS MS7 SERIES

The hydraulic swing beam shear is the perfect solution for cutting sheet metal with thicknesses between 4mm and 6000mm. The hydraulic swing beam shear can handle the large dimensions required in tube and roll forming manufacturing lines.Besides handling large dimensions, the hydraulic swing beam shear can also be configured for piercing and blanking. Here at Accurl, we guarantee that we can provide you with the hydraulic shear that will get the job done,



STANDARD COMPONENTS

- Frame produced in China by ACCURL accurately dimensioned through FEA.
 - Multi-edge blades for cutting aluminum, carbon steel and stainless steel
 - Cutting-line illumination and wire for shadow-line cutting
 - Stroke counter
 - Quick cutting-length adjustment
 - Hydraulic and electrical overload protection
 - Squaring arm and front support arms
- Bed infill plates with ball transfers
 - Delta inverter with ball screw and polished rod with 0.01 mm accuracy
 - Backgauge adjustment according to blade gap
 - Backgauge retraction feature
 - Sub-program and programming loop
 - Sequence repeat function
 - Auto-cutting (Flying cut)



Peumatic Support-Optional



Estun E21S NC System



Germany Bosch-Rexroth Hydraulic System

OPTIONAL EQUIPMENT

- Estun E200 control
- Pneumatic Sheet Supporting System
- Table Mounted Sheet Angle Cutting Gauge
- CNC Control with input of Plate Thickness



Estun E21S

LCD240×128 display
Program memory of up to40 programs up to25 steps per program
Servo system control
One side positioning indication
Retract function
Auto reference seach
Power-down memorization mm/inch
Chinese / English Diagnosis function



Delem E200

Servo control technology
Bright LCD display, 128X64 pixels
Backgauge, Gap orAngle control
Strokelenngthlimitation
Actual and programmed position visualisation



Elgo P40T

Single or Two axest Controller
LCD display
Simple handing
Manual function
Single set operation
Program memory
Digital outputs
Analog output

SPECIFCATIONS

Type	Cut Thickness mm	Cut length mm	Shear Angle Degree	SPM min-1	Back Gauge mm	Throat Depth mm	Main Motor kw	Net Weight kg	Outline Size (L×W×H) mm
MS7-4×2500	4	2500	1°30'	≥ 22	600	100	5.5	4650	3300×1600×1700
MS7-4×3200	4	3200	1°30'	≥ 18	600	100	7.5	4950	3950×1600×1700
MS7-4×4000	4	4000	1°30'	≥ 12	600	100	7.5	6900	4600×1705×1600
MS7-6×2500	6	2500	1°30'	≥ 16	600	120	7.5	5140	3150×1500×1600
MS7-6×3200	6	3200	1°30'	≥ 12	600	120	7.5	6250	4000×1700×1800
MS7-6×4000	6	4000	1°30'	≥ 10	600	120	7.5	8520	4650×1700×1800
MS7-6×6000	6	6000	1°30'	≥ 7	600	120	11	17000	6780×2450×2100
MS7-8×2500	8	2500	1°30'	≥ 14	600	120	7.5	5900	3180×1680×1700
MS7-8×3200	8	4000	1°30'	≥ 12	600	120	7.5	6500	4000×1800×1850
MS7-8×4000	8	3200	1°30'	≥ 10	600	120	11	7360	4680×1800×1850
MS7-10×3200	10	3200	1°50'	≥ 12	600	120	11	8100	4000×1950×1900
MS7-10×4000	10	6000	1°50'	≥ 6	600	120	18.5	21800	6880×2260×2100
MS7-12×2500	12	2500	2°	≥ 10	800	170	18.5	9600	3300×2030×1840
MS7-12×3200	12	3200	2°	≥ 9	800	170	18.5	11700	4200×2050×2100
MS7-12×4000	12	4000	1°80	≥ 8	800	170	18.5	13800	4800×2270×2000
MS7-12×6000	8	6000	2°	≥ 4	800	320	30	38000	6900×2800×2500
MS7-16×2500	16	2500	2°9'	≥ 9	800	315	18.5	11100	3310×2240×2000
MS7-16×3200	16	3200	2°	≥ 8	800	320	18.5	12900	4200×2150×2200
MS7-16×4000	16	4000	2°	≥ 7	20-1000	320	18.5	19700	4820×2490×2460
MS7-16×6000	16	6000	2°	≥ 4	20-1000	320	22	44000	7100×2900×2650
MS7-20×3200	20	3200	2°30'	≥ 5	1000	320	30	22000	4190×2400×2300
MS7-20×6000	20	6000	2°30'	≥ 4	1000	150	55	51000	7100×3500×3050

HYDRAULIC GUILLOTINE SHEARS MASTER SERIES

The Genius MS series is the top of the line, incorporating all the latest technology to offer the highest level of functionality. With our hydraulic angle setting and user friendly control panel, you will be able to easily cut different material thicknesses. This series is well named as only the most intelligent machines could provide speed, precision, accuracy and repeatability as our Genius S shears.

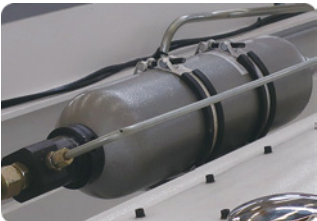


STANDARD EQUIPEMENT

- CE-Norm
- Heavy duty steel construction & Stress relieved frame
- User friendly CNC Touchscreen control unit ELGO-P40T Touch
- Automatically adjusted rake angle by CNC
- Adjusted cutting length by CNC
- Ball integrated front tables
- Ball screw back gauge, 1000mm
- Flip-up finger guards 1000mm
- Squaring arm with scale T-Slot (L=1500mm)
- Support arms T-Slot & Tilting stop (L=1000mm)
- Illumination & Shadow line
- Automatically pressure adjusted solid holddowns
- Top and bottom blades with four sides



ELGO P40T CNC Control System



Germany Bosch-Rexroth Hydraulic System



Square support arm with 1000mm scale and flip



BackGauge with Linear Guide



P40T

ELGO TOUCH P40T CNC SYSTEM

Cuttings are easier With ELGO TOUCH P40T
With easy to use interface P40T enables perfect cutting in seconds by endless programming and material entrance feature.

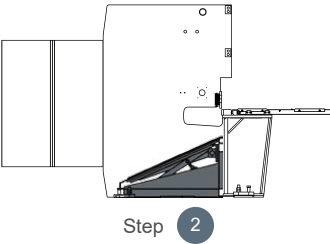
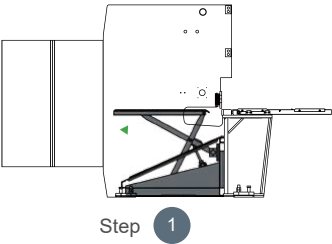
OPTIONAL EQUIPEMENT

- DELEM DAC360T CNC System
 - High speed (Stroke/Min)
 - Laser Cutting Line
 - Light curtains for finger protection
 - Pneumatic sheet support ACCURL I
 - Pneumatic sheet support with return to sender
 - Pneumatic sheet support ACCURL IV
 - Sheet support device with belt conveyor and scrap container
- Stacker + Alignment System
 - Hydraulic anti-twisting
 - Special throat depth
 - Back gauge 1250 mm
 - Hydraulic swing-up back gauge
 - Oil coolant
 - Oil heater
 - Central lubrication manual
- Central lubrication motorized
 - Adjustable angle stop 0-180°
 - Add. Support arms
 - Special blades
 - Control Panel on opposite position
 - Temperature measurement
 - Overseas special packaging
 - CNC front feeding system

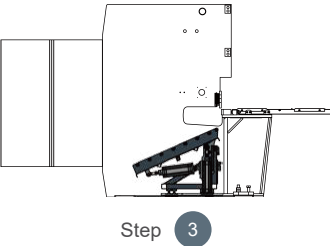
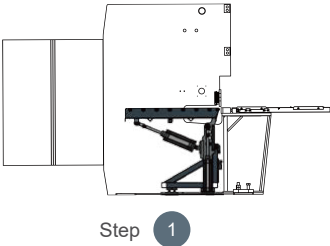
PNEUMATIC SHEET SUPPORT SYSTEM(OPTIONAL)

Monobloc Panel Type support system:
Avoids hanging down the wide and thin sheets via pneumatic table support and provides more precise cuts

ACCURL I



ACCURL IV



SPECIFCATIONS

Type	Cut Thickness mm	Cut length mm	Shear Angle Degree	SPM min-1	Back Gauge mm	Throat Depth mm	Main Motor kw	Net Weight kg	Outline Size (L×W×H) mm
MS8-6×2500	6	2500	0.5°-1.5°	16	800	100	7.5	5600	3300×1800×2100
MS8-6×3200	6	3200	0.5°-1.5°	14	800	100	7.5	6500	4000×1800×2100
MS8-6x4000	6	4000	0.5°-1.5°	12	800	100	7.5	8400	4800×1900×2200
MS8-8×3200	8	3200	0.5°-1.5°	12	800	100	7.5	7400	4100×1900×2150
MS8-8x4000	8	4000	0.5°-2.0°	11	800	100	11	9500	4800×1900×2300
MS8-10×3200	10	3200	0.5°-2.0°	8	800	120	11	8500	4000×1850×2250
MS8-10x4000	10	4000	0.5°-2.0°	8	800	120	11	11000	4800×2000×2390
MS8-13×3200	13	3200	0.5°-2.0°	7	800	120	18.5	9200	4000×1900×2350
MS8-13×4000	13	4000	0.5°-2.2°	6	800	130	18.5	12800	4800×2000×2490
MS8-13×6000	13	6000	0.5°-2.4°	6	1000	150	18.5	26000	7100×2420×3000
MS8-16×3200	16	3200	0.5°-2.5°	6	800	130	22	12000	4300×2100×2500
MS8-16×4000	16	4000	0.5°-2.5°	6	1000	130	30	26500	4850×2150×2550
MS8-16×6000	16	6000	0.5°-2.5°	6	1000	130	30	33000	7100×2300×2950
MS8-16×8000	16	8000	0.5°-2.5°	5	1000	130	30	75500	9000×3280×3270

FIBER LASER CUTTING MACHINE SMART SINGLE TABLE SERIES

Our ACCURL team now introduces its newest generation in tube and profile processing technology – the fiber laser tube cutting system. Technological innovation has brought us the Smart KJG Series. With exceptional reliability and high beam quality, our fiber laser cutting machines continue to be leaders amongst the competition.



STANDARD EQUIPEMENT

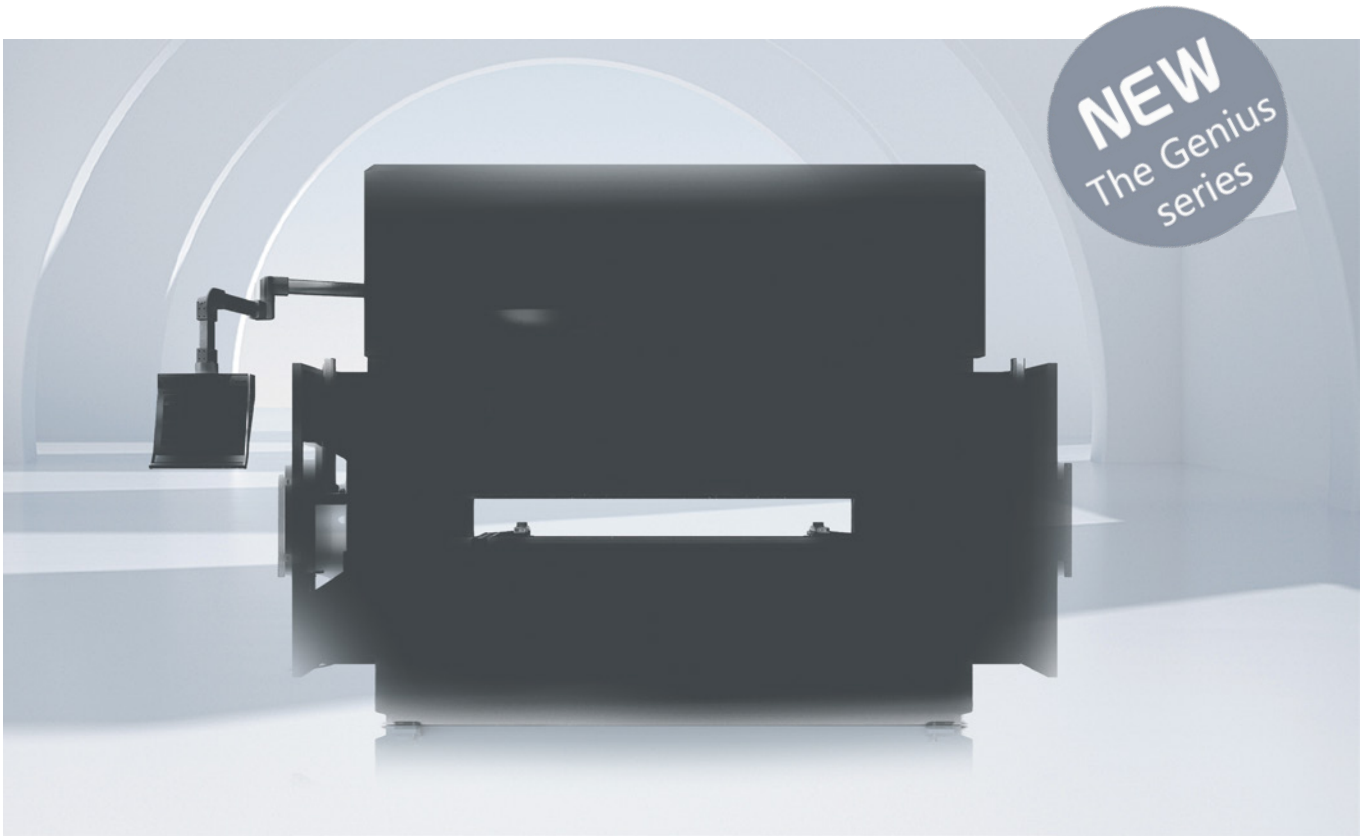
- Laser Cutting head :BLT 3 series
- CNC system:Baichu Cypcut 2000
- Servo motor:China Inovance / Yaskawa for more than 6Kw
- Precision reducer:TECHMECH
- Gear rack:China,Taiwan YYC
- Linear Guide:HIWIN ,CHINA
- Proportional valve:Japan SMC
- Electronic pieces:France Schneider
- Voltage stabilizer & Isolation transformer

OPTIONAL EQUIPMENT

- HYP CUT Touch FSCUT8000 TwinCAT CNC System
- Shuttle Table and Clean Room
- Table size 1500x4000mm
- Table size 2000x4000mm
- Table size 6000x1500mm
- Pipe cutting system(φ220mm / 3000mm)
- Cutting Head from PRECITEC
- IPG/MAX/Raycus fiber laser power

FIBER LASER CUTTING MACHINE GENIUS SERIES WITH CE CLEAN ROOM

Incredibly fast and flexible, the Genius KJG fiber laser cutting system is ideal for ultra-high speed cutting of thin sheet materials. The Genius KJG has the ability to cut a wide range of ferrous and non-ferrous metals while maintaining low cost operation.



MAIN FEATURES

- Excellent cutting quality for fine thickness and medium thickness sheet metals.
- Maximum simultaneous positioning speed: 160m/min.
- Acceleration speed: 14 m/ s² (1.5G).
- Precision: + - 0.05 mm.
- Energy efficiency: greatly reduced power consumption.
- Power output from 1000W to 6000w .
- RayTools cutter cutting head with power output up to 2kw.
- Precitec HP cutting head for power output of more than 2kw.
- Fully enclosed and cabined to ensure maximum operator protection.
- Effective high to low pressure gas exchange system.
- Capacitive Sensor, high pressure cutting head.
- Automatic mechanized Nesting power output control function.
- Automatic time and unit cost calculation function.
- Network connection from external.
- Smoke extraction (included in series models).
- 3 point reference sensor (sheet metal rotation detector).
- Collection of work pieces and trimmings.
- Dual proportional valve control system for different gas pressures and special system for high pressure cutting.

FIBER LASER CUTTING MACHINE SMARTLINE SERIES

ACCURL Fiber lasers outshine with its fast cutting and energy efficiency abilities when especially its compared to CO2 Easy use, maintenance and service has been achieved by the high technology of Fiber Lasers. Globally recognized efficient components used in ACCURL Fiber Lasers add value to your company.



STANDARD EQUIPEMENT

- CypCut Fscut 2000 CNC System
- Reliable laser fiber source from 1 to 6 kw
- Japan Shimpo racks & pinions
- Modern body made of composite material
- Traverse made of steel
- Pallet changer without hydraulics
- BLT auto laser head
- Interlock closing system
- Class 1 laser safety windows
- Compact dust extractor

OPTIONAL EQUIPEMENT

- HYPCUT Touch FSCUT8000 TwinCAT CNC System
- BECKHOFF TwinCAT Touch Screen Control System
- Graphite Anti-burn Technology.
- Automatic nozzle cleaning 1.0
- Precitec Cutting head (Auto Focus)
- Pneumatic Pipe & Profile Cutting System
- Automatic loading / Unloading system SMART-LIFTER

SPECIFICATIONS

MACHINE DIMENSION AND WEIGHT			
MACHINE MODEL	[um]	3015	4020
length	[mm]	8000	10500
Width	[mm]	2600	3280
Height	[mm]	2250	2250
Weight	[kg]	12000	15000

WORKING AREA			
MACHINE MODEL	[um]	3015	4020
X axis	[mm]	3060	4060
Y axis	[mm]	1540	2050
Z axis	[mm]	100	100
Max.sheet weight	[kg]	1100	1800

1)Approximate values.The exact parameters are specified in the installation plan.

BLT4X1 Series
Plane/ Bevel

Adjustment Range: ±50mm

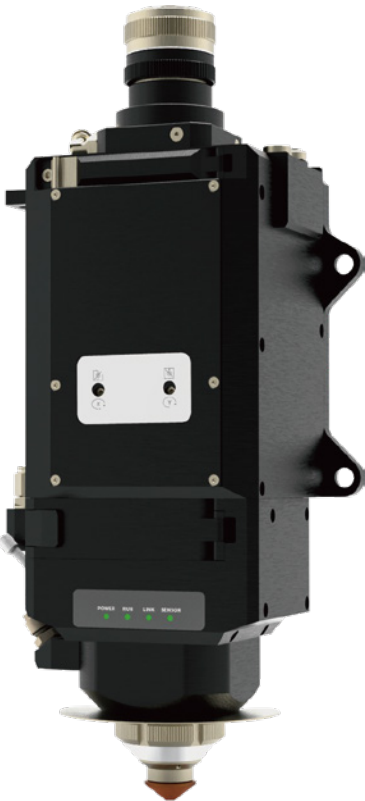
Re-positioning Accuracy: ±0.01mm

Focusing Speed: 500mm/s

Maximum Air Pressure: 25Bar

Laser Wavelength: 1030-1090nm

Cutting Head Model	BLT421 Series	BLT441 Series	BLT461 Series	BLT481 Series	BLT4101 Series
Support Power Range	≤8kW	≤15kW	≤20kW	≤30kW	≤40kW
Fiber Interface	QBH、EOC	Q+、QD、QBH、ADD			
Focal Length (mm)	150、200	200	200	200、300	300



BLT6X2H Series
Plane

Adjustment Range: ±50mm

Re-positioning Accuracy: ±0.01mm

Focusing Speed: 500mm/s

Maximum Air Pressure: 25Bar

Laser Wavelength: 1030-1090nm

Cutting Head Model	BLT642H Series	BLT662H Series	BLT682H Series	BLT6102H Series	BLT6120H Series
Support Power Range	≤15kW	≤20kW	≤30kW	≤40kW	≤60kW
Fiber Interface	Q+、QD、QBH、ADD				
Focal Length (mm)	200	200	200、300	300、400	300

BECKHOFF WISCUT CNC CONTROL UNIT:

- The Beckhoff CNC controllers are used in laser cutting machine and the TwinCAT NC I/CNC automation software is ideally suited for application-specific functions, including adaptive jet control, reverse travel or path resetting.

BECKHOFF SYSTEM FEATURES:

- INTEL® Core(TM)i5-6500 processor -8Gb RAM-CPU3.20GHz
- Display 21” LCD TFT XVGA with anti-glare screen Touch Screen
- User High-speed EtherCAT communication
- Scratch-resistant keyboard, anti-oil, anti acid with IP65 protection
- Manual movement of all axes by joystick
- Dynamic and integrated cutting head height control
- Anti collision system
- Automatic function for the detection of the sheet metal on the work table



TWINCAT NUMERICAL CONTROL

- The Beckhoff controller has a Accurnl operator interface and a complete cutting database for all standard cutting applications. The database includes the cutting parameters for standard materials(steel, stainless steel, aluminium) for common thickness ranges

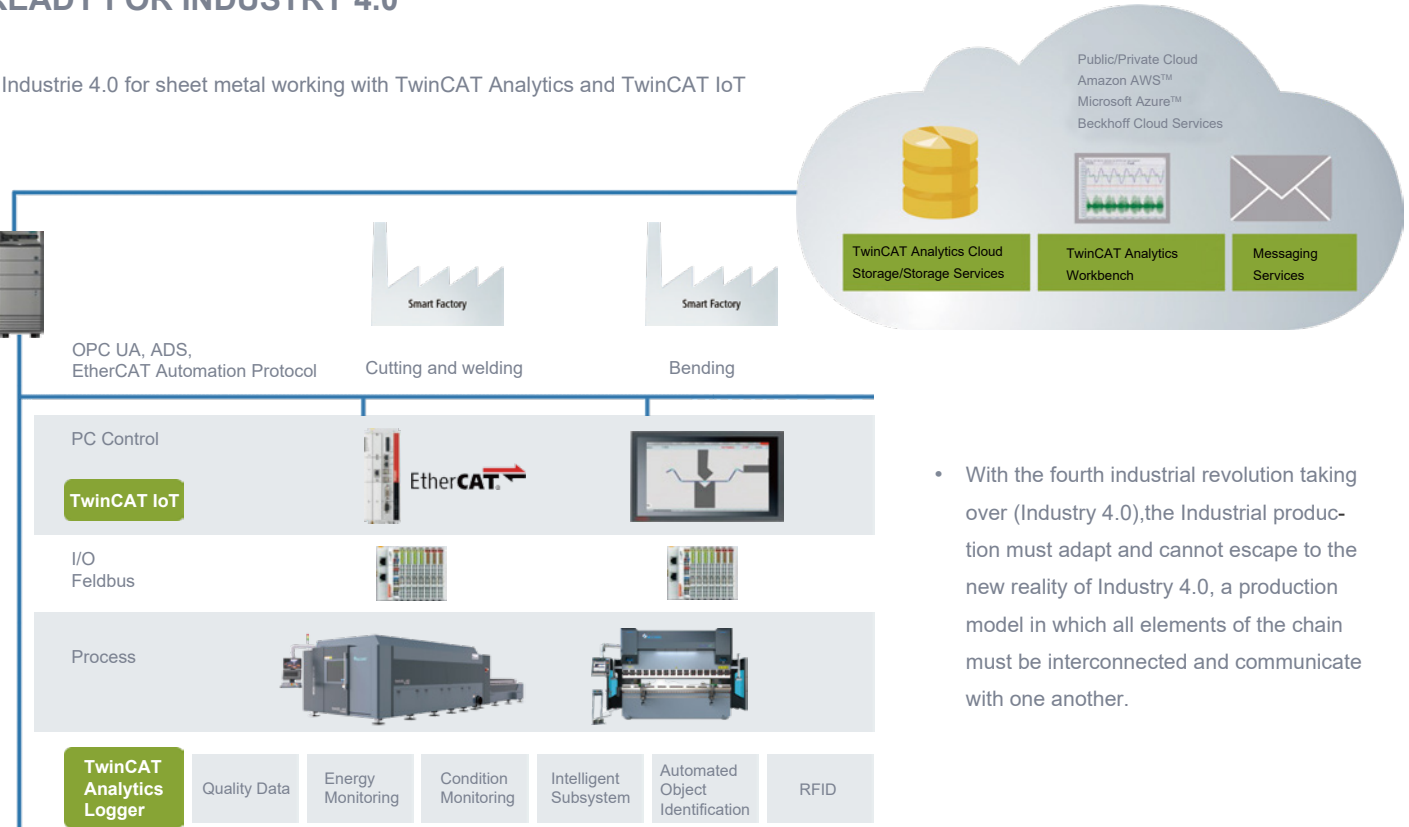


ADVANCED

- User friendly and touch optimized
- Easy and efficient operation
- Fly-cut option for significantly shorter cutting times
- Nesting CAD/CAM software on board
- Intuitive, step-by-step assistance for machine operators
- Quick height adjustment for a very high and constant cutting quality
- Integrated monitoring of peripheral units like laser sources and sensors
- Quick height adjustment for a very high and constant cutting quality

READY FOR INDUSTRY 4.0

- Industrie 4.0 for sheet metal working with TwinCAT Analytics and TwinCAT IoT



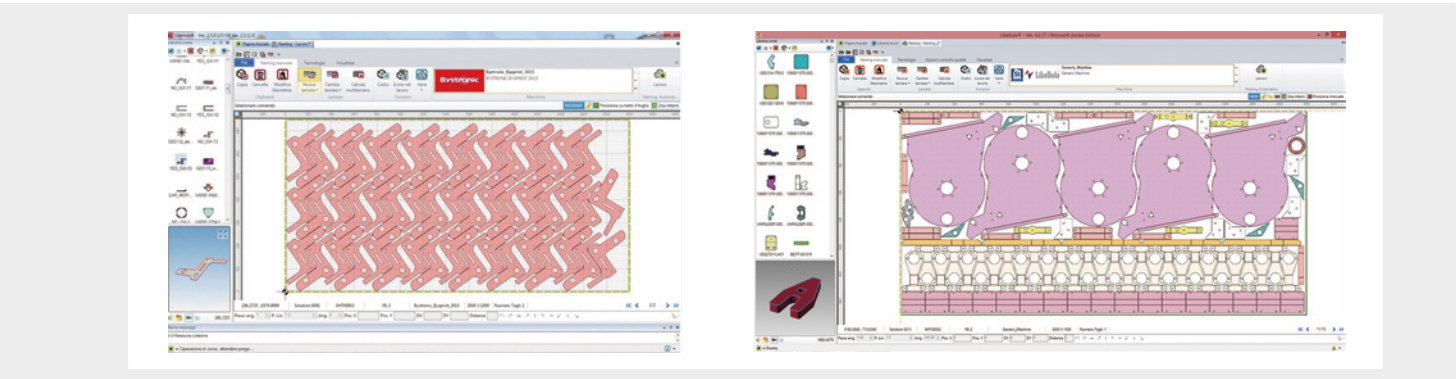
- With the fourth industrial revolution taking over (Industry 4.0), the Industrial production must adapt and cannot escape to the new reality of Industry 4.0, a production model in which all elements of the chain must be interconnected and communicate with one another.

CAD/CAM SOFTWARE .LIBELLULA .CUT

- Libellula.CUT is the cutting edge of Libellula Universe and represents the highest expression of the technological know-how of Libellula.
- Thanks to its integrated CAD and the exclusive One-Click technology, Libellula.
- CUT creates or imports in a moment the geometric details from any other platform of drawing, automatically optimizing profiles and arranging them in an optimum manner for subsequent processing.



Libellula.CUT Is Available For



Management of FMS lines and / or of the manual operations:

- Reduction of the cutting number of different nesting
- Automatic Skeleton cutting
- Systems management of loading / unloading and sorting systems

Optimized information for the company with “Total Integration” additional Libellula modules

- Order Management with the option mod.ORDER module
- Warehouse management and reusable remnant with the mod.STORAGE option



HANDLED LASER WELDING

The Laser welding power up 3000W is easily adjusted with intuitive controls to quickly dial in optimum weld settings for various materials and thicknesses. With up to 74 stored preset and user-defined process parameters, novice welders can be trained and welding in a matter of hours.



COMPARE THE PROJECT	THE TRADITIONAL WELDING	LASER WELDING	HANDLED WELDING
Heat Input to Workpiece	Very high	Low	Low
Deformation and Undercut of Workpiece	Large	Small	Small
Bonding Strength with Base Material	Commonly	Good	Very Nice
Subsaquent Processing	Polish	No or Little Polishing	
Welding Speed	Commonly	More than twice of argon arc welding	
Applicable Materials	Stainless steel / Carbon Steel / Galvanized Sheet / Aluminum / Copper		
Consumables	Consumables	Less consumables	Less consumables
Operational Difficulty	Complex	Commonly	Simple
Operator’ s Safety	Unsafe	Safe	Safe
Environmental Protection Impact	No environmental Protecction	Environmental Protection	Environmental Protection
Welding Faule Tolerance	Good	Not good	Good
Spot Brightness Adjustable	None	None	None
Welding Quality Comparsion	Differenca	Commonly	Very Good
Weld Requirements	Wide	0.2mm	0.2mm

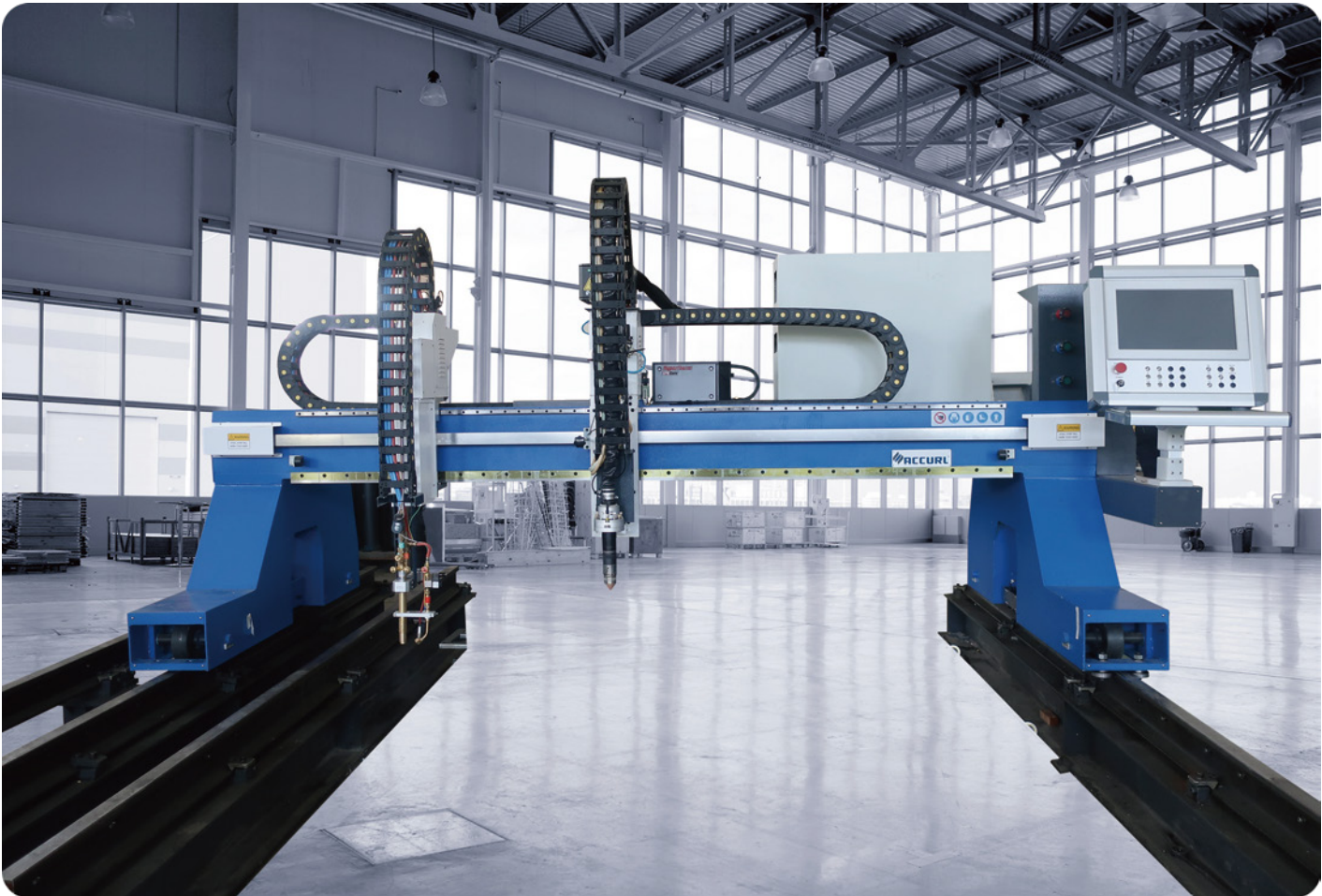
INTRODUCTION OF MAIN COMPONENTS

Compared with traditional arc welding, FSC-1000 enjoy following advantage: user-friendly design and technology upgrade, simple operation, operators do not need skilled technical certificate to achieve exquisite welding. There is no need for secondary grinding after welding, which greatly reduces the professional limitations of the operator and the cost of manpower.



COMPARATIVE	MODEL	FSC 1000	FSC1500
OPTICL PROPERTIES	Rated Output Power (w)	>1000	>1500
	Operating Mode	Continuous/modulation	
	Polarization direction	Random	
	Output Power Adjustment Range (%)	10~100	
	Center Wavelength (nm)	1080+3	
	Output Power Instability	<3%	
	Maximum Modulation Frequency (kHz)	50	
	Indicates Red Light Power (mW)	>0.5	
	Output Interface	QBH	
	Output Fiber Core Diameter (μm)	20	30/100
	Output Fiber Length (m)	15	
ELECTRICAL PROPERTIES	Operating Voltage	220v + 10%、50/60Hz	
	Maximum Power Consumption (w)	<5000	<6000
	Control Method	RS232/AD	
OTHER PROPERTIES	Size (W x H x D)	483 X 191 X 740	
	Weight (kg)	<60	
	Operating Temperature Range (°C)	5~40	
	Operating Humidity Range (%)	<70	
	Type Of Cooling	Water cooling	
	Cooling Water Temperature (°C)	Indoor	
	Cooling Water Temperature (°C)	25	
	Cooling Water Flow (L/min)	>12	>12
	Storage Temperature (°C)	-10~60	

PRECISE CNC PLASMA FLAME CUTTING MACHINE PS SERIES



STANDARD COMPONENTS

- Make up of gas decompression valve and pressure gauge.Clear to check the whole machine pressure.
- Adopt U71 heavy-duty rail by fine machining.
- According to user's requirement,assemble CNC flame single torch,power-spray scribe torch,stamping unit,plasma mechanical torch or linear triple cutting torch,and also fit auto igniter and auto height controller.
- To ensure the beam won't deform,it is designed in welded square structure,tempered to eliminate mechanical stress,and then processed by precision machinery.It has high mechanical strength and good rigidity.High-precision and fine-grinded guide rail,gear wheel and gear rack in high steel quality are assembled on top of the beam.Therefore,the accuracy of latrcal movement can be guaranteed.The transverse track is bolted on the beam for the convenience of replacement and adjustment.
- Used in the tracheal cable transmission of numerical control cutting torch,it can work continuously without generating mechanical fatigue.
- To achieve synchronous motion of two supporting plate by steel strip.
- The primary master drive is equipped with horizontal oriented wheel to keep stable guidance in operation.There are scraping crumbs on both sides of the driving shelf.They can clear the guide rail.

MAIN FEATURES

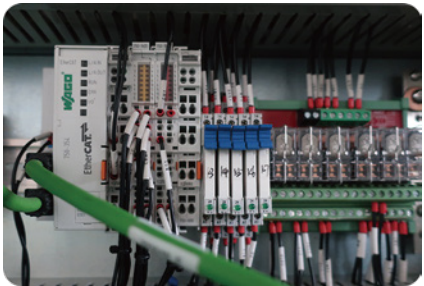
- Beam adopts Q345B welded square steel tube structure with stress release by tempering,it has high intensity and rigidity.
- After precision machining of the surface,the crossbeam has good rigidity and high precision and excellent heat dissipation.
- The product is suitable for equipment with any kinds of CNC systems.



Drilling Head



Shimpo Reducer (made in Japan)



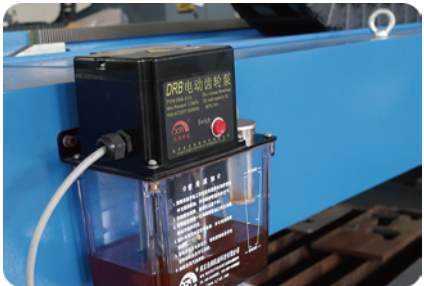
Driven System



Hypertherm XPR-170



EDGE® Connect System



Automatic Lubrication Device

SPECIFCATIONS

ITEM	UM	PARAMETER
Track span	mm	Less than 4000 using single driver
Track length	mm	According to customers'requirement
Transverse effective cutting	mm	800 shorter than track span
Longitudinal effectice cutting	mm	3000 shorter than track length
Longitudinal rails	m	2m per rail.It may be increased or reduced in accordance with users'requirement
No of torches	set	According to customers'requirement
Cutting speed	mm/min	0-6000
Traveling speed	mm/min	0-12000
Torch lifting range	mm	200
Plasma cutting thickness	mm	Depending on plasma power supply
Flame cutting thickness	mm	6-350

Type	Cutting Table mm	Machine Width min-1	Machine Length mm	Machine Height mm	Table Height mm	Table Width mm	Table Length mm	X Axis Stroke mm	Y Axis Stroke mm	Weight kg
PS 2012	2200 x 12800	4250	14200	2200	750	2200	11200	2800	10200	11000
PS 2016	2200 x 16800	4250	18200	2200	750	2200	14400	2800	16200	13000
PS 2020	2200 x 20800	4250	22200	2200	750	2200	19200	2800	20200	17000
PS 2024	2200 x 24800	4250	26200	2200	750	2200	22400	2800	24200	21000
PS 2028	2200 x 28800	4250	30200	2200	750	2200	27200	2800	28200	25000
PS 2512	2700 x 12800	4750	14200	2200	750	2700	11200	3300	10200	29000
PS 2516	2700 x 16800	4750	18200	2200	750	2700	14400	3300	16200	14000
PS 2520	2700 x 20800	4750	22200	2200	750	2700	19200	3300	20200	18000
PS 2524	2700 x 24800	4750	26200	2200	750	2700	22400	3300	24200	22000
PS 2528	2700 x 28800	4750	30200	2200	750	2700	27200	3300	28200	26000
PS 3012	3200 x 12800	5250	14200	2200	750	3200	11200	3800	10200	30000
PS 3016	3200 x 16800	5250	18200	2200	750	3200	14400	3800	16200	15000
PS 3020	3200 x 20800	5250	22200	2200	750	3200	19200	3800	20200	19000
PS 3024	3200 x 24800	5250	26200	2200	750	3200	22400	3800	24200	23000
PS 3028	3200 x 28800	5250	30200	2200	750	3200	27200	3800	28200	27000
PS 3512	3700 x 12800	5750	14200	2200	750	3700	11200	4300	10200	31000
PS 3516	3700 x 16800	5750	18200	2200	750	3700	14400	4300	16200	20000
PS 3520	3700 x 20800	5750	22200	2200	750	3700	19200	4300	20200	24000
PS 3524	3700 x 24800	5750	26200	2200	750	3700	22400	4300	24200	28000
PS 3528	3700 x 28800	5750	30200	2200	750	3700	27200	4300	28200	32000
PS 4012	4200 x 12800	6250	14200	2200	750	4200	11200	4800	10200	17000
PS 4016	4200 x 16800	6250	18200	2200	750	4200	14400	4800	16200	21000
PS 4020	4200 x 20800	6250	22200	2200	750	4200	19200	4800	20200	25000
PS 4024	4200 x 24800	6250	26200	2200	750	4200	22400	4800	24200	29000
PS 4028	4200 x 28800	6250	30200	2200	750	4200	27200	4800	28200	33000

SERVO CNC TURRET PUNCH PRESS ES-NT SERIES

ACCURL ES-NT Series CNC Punch Press is the newly developed Multi Index Tools Turret Punch Press equipped with advanced Servo System, introduced by AccurlUSA's professional R&D and production teams who have been dedicated to machineries for decades. With Accurl 30 or 50 tons high speed servo hydraulic punching head, sheet dimensions 2500 x 1300 mm and rotation axis for all tools, the ES-NT is the perfect CNC turret punching machine. The large fully-brushed sheet support tables and the standard repositioning cylinders, allow for standard sheet sizes to be processed easily.



QUALITY ENGINEERING

All frame configurations are field tested and engineered to last using FEA.

SERVO DRIVE SYSTEM

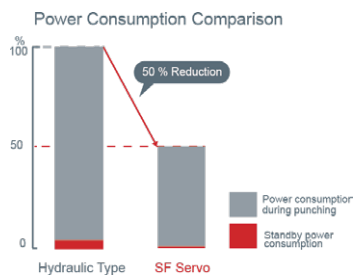
The punch serve utilizes a direct drive gearbox that supplies power and speed. This servo allows the user to sleeplessly adjust the punch stroke and accommodate any pressure curve requirements.

PROGRAMMABLE RAM

The AC punch servo motor can be programmed for various applications.

- 1.High speed applications
- 2.Low noise applications
- 3.Forming applications.

“EXCEED YOUR EXPECTATIONS”



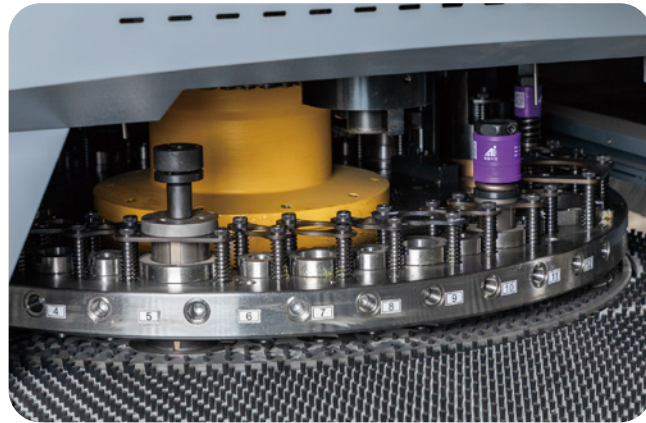
TURRET STRUCTURE

- The ACCURL has a thick turret to provide improved accuracy and longevity of the tools.
- The turret itself is made of s50C and undergoes rigorous testing.
- The turret comes with 4 main layouts from 32 stations to 42 up to 4 auto indexing stations.
- Permanently engaged auto index drive system reduces errors and avoids downtime.
- The auto indexable stations have a dual lead worm structure.The worms are custom machined in pairs and are highly accurate.The worm gear's side clearance can be controlled under 0.0008 " and can be adjusted for wear.

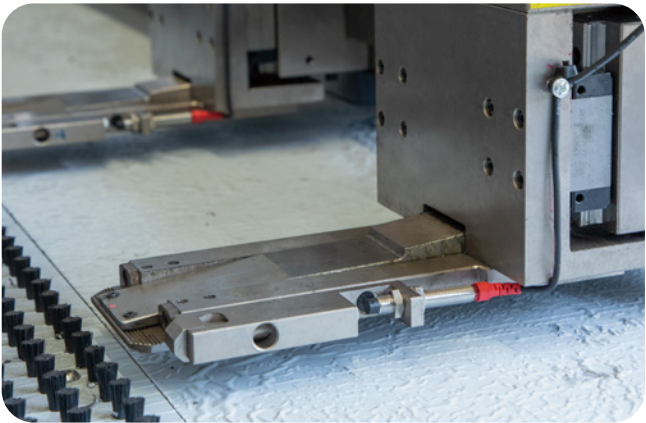


FANUC CNC CONTROLLER

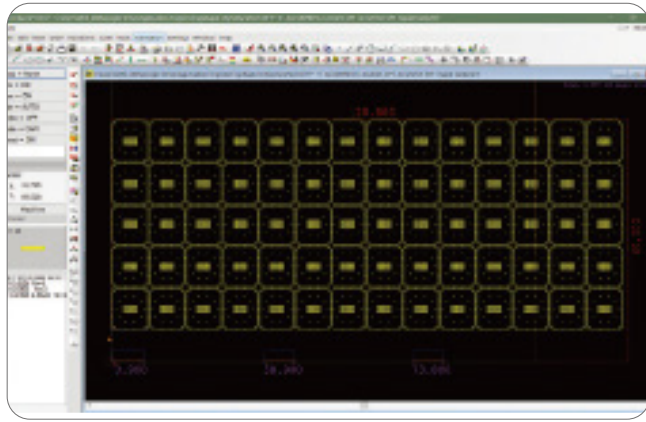
The ACCURL turret punch comes with a FANUC Oi-PF LCD mounted controller. The setup includes an ACCURL operator panel and FUNUC MDI panel. The FUNUC controller allows for precise and reliable machine control, as well as providing a way to monitor secondary systems and keep track of maintenance tasks.



Sheet jam protectors automatically detects deformed or buckled sheets and automatically stops the machine when triggered.

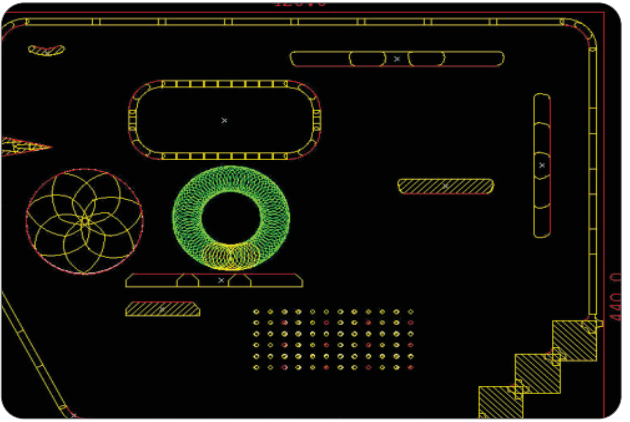


Automatic clamp positioning reduces setup time and errors, and provides machine run-time flexibility and productivity.



CAD/CAM NESTING SOFTWARE

The G-code for the Oi-PD controller can be generated from nesting software.The operator may nest multiple parts,maximize sheet utiliza tion and streamline their workflow to ensure their turret punch is working in peak condition.



SERVO CNC TURRET PUNCH PRESS ES-NT SERIES



OPTIONAL FEATURES

The ACCURL can be equipped with a variety of productivity enhancing features.

- Auto clamp repositioning
- Auto part-drop table and work chute
- Auto-feed Conveyor and parts bin
- ACCURL ultra package,reduce part processing time by up to 40%.

TURRET CONFIGURATIONS

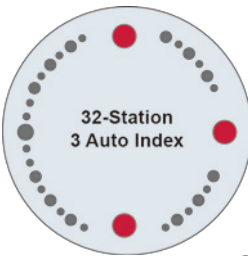
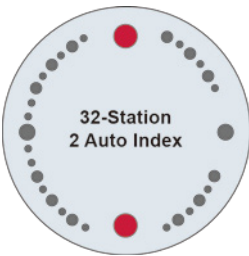
32 Stations 2 Auto index: Our entry level turret offers a full set of tooling with two auto indexing stations.

32 Stations 3 Auto index: With one flex station, the 32 station turret can be upgraded with an additional auto index D station.

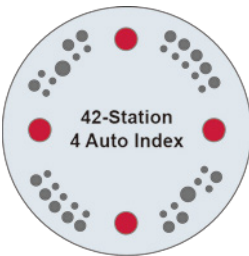
42 Stations 4 Auto index: Our most flexible design comes with four auto indexing stations to offer the most advanced material processing capabilities.

TABLE SIZES & FLOOR PLAN		
X-Y Travel	X	Y
5×4	110"(2810mm)	219"(5550mm)
5×8	209"(5310mm)	219"(5550mm)
5×10	252"(6410mm)	219"(5550mm)
6.5×4	110"(2810mm)	266"(6750mm)
6.5×8	209"(5310mm)	266"(6750mm)
6.5×10	252"(6410mm)	266"(6750mm)

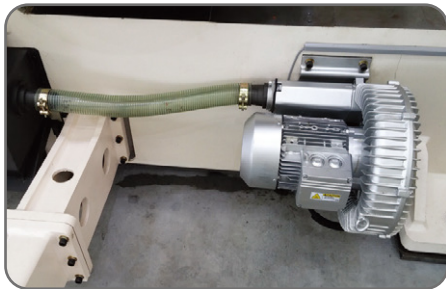
TURRET CONFIGURATIONS					
Turre Configuration	A	B	C	D	B-AI
32 Station-2 Auto Index	18	8	2	2	2
32 Station-3 Auto Index	16	12	1	0	3
42 Station-4 Auto Index	20	16	2	2	4



 OPTIONAL

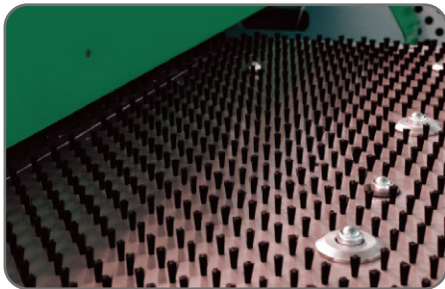


 OPTIONAL



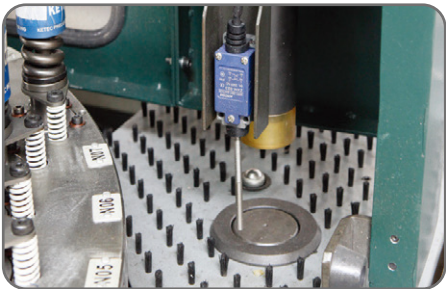
VACUUM ASSIST SYSTEM

The optional Vacuum Assist System increases machine reliability by reducing slug pulls and improves material processing.



MIXED BALL AND BRUSH TABLE

The standard configuration features a mixed ball and brush table that comes with an integrated pneumatic ball transfer table to ease loading and unloading.



SHEET JAM PROTECTORS

Sheet Jam Protectors automatically detects deformed or buckled sheets and automatically stops the machine when triggered.

SPECIFCATIONS

Item	Unit	ES-NT-30T
Punching Capacity	Ton	30
X Traverse Length	mm	2500±10
Y Traverse Length	mm	1250±10
Max Sheet Size	mm	1250x5000
Max Sheet Thickness	mm	6.35
Max Sheet Weight	kg	110
X Axis Traverse Speed	m/min	120
Y Axis Traverse Speed	m/min	105
Max Traverse Speed	m/min	128
Punching Speed at 25mm Pitch	Hist/min	450
Nibbling Speed	Hist/min	1200
Tools Type		Thick Turret
Max Punching Diameter	mm	88.9
Number of Tool Stations		32 / 42
Number of Auto Index Stations	Pcs(type)	4(2B+2C) / 3(2B+1C) / 2(2B)
Turret Rotating Speed	rpm	33
Auto Index Rotationg Speed	rpm	100
Ram Stroke Distance	mm	0~31
Working Tables Size		Brush + Supporting Ball Set
Number of Sheet Clamps	Pcs	3
Air Supply	NL/min	250
Air Pressure	bar	6
Size of Control Cabinet	mm	1350x700x2185
CNC Controller		FANUC Oi-PF
Number of Controllable Axes	Axis	4
RAM Memory	KB	512
Serial Interface		RS232/RJ45/PCMCIA
Punching Precision	mm	±0.1
Machine Dimension (L x W x H)	mm	5940x5220x2420
Net Weight (approx.)	kgf	13,500

CNC WATERJET CUTTING MAX BP-C-3015

The ACCURL® abrasive waterjet machine is a high-pressure waterjet machine that utilizes straight water cutting or abrasive waterjet cutting to cut several types of material. The ACCURL® Water-Jet is a heavy-duty precision, ground ball screw designed system for maximum precision and rigidity.



WEIHONG 17”SCREEN CNC CONTROL SYSTEM:

- Customized shape cutting control
- Electrical system assembled in a metal and cooledcabinet with fan system. Command circuits and power are absolutely protected bygalvanic separation.
 - Industrial PC with multitouch screen.
 - This device wilhave installed communication system with the machine, and also WINDOWS7ENTERPRISE as OS.



As main characteristics of CNC:

- Digital smart regulation control of machine's axis with optimized interpolation
- Position software limiter
- Absolute position registration
- Current value output of absolute incremental position.
- Integrated retention brake control.
- Automatic adaptation of parameters.
- Adjustable error reaction.
- Motor feedback for absolute position registration.
- Absolute incremental position.

IGEMS CAM-SOFTWARE

The IGEMS is a modular CAD, CAM and nesting software designed especially for waterjet cutting purposes. Thousands of people around the world use it to make anything they want.



CAD/LAM

- The main 2D CAD functionality similar to AutoCAD
- Support for multiple file formats (DWG, DXF, WMF, CNC, TTF)
- Special commands for drawing completion and optimization
- Support for TTF font formats, CXF and SHX
- Transfer images from raster to vector format
- Parametric parts (elements) Library

NESTING

- Useful manual nesting tools with collision control
- Automatic nesting to fill sheets efficiently



HIGH SAVING OF TIME AND MONEY
THANKS TO THE SOLUTIONS OF NESTING
AND AUTOMATIC CUTTING

MAXIMUM PRODUCTIVITY
WITH MINIMUM SCRAP

STANDARD EQUIPEMENT

- WEIHONG® 17" Multi-Touch Displays Control System
- YASKAWA® Highly dynamic EtherCAT servo drive
- HYPERTHERM® High Pressure Pump 50 HP/4200 bar
- ACCURL® Abrasive backstop system CUT CONTROL 3.0
- ACCURL® Abrasive regulation-ABRASIVE 3.0
- Automatic Abrasive feeder with 200L capacity
- ACCURL® Collision Protection 2.0
- Declaration of conformity and CE marking

OPTIONAL EQUIPEMENT

- MAX 3D 5-Axis Bevel Cutting Head 2.0
- Water Jet Soften Treatment
- Auto Sludge Removal System
- IGEMS 3-Axis CAM Minmum 3X Nesting Software
- IGEMS 5-Axis CAM Normal 3D-5XB Nesting Software
- HYPERTHERM® HyPrecision® 75S Pump of 75 HP
- ITALY ESA S600W Series CNC Control system

SPECIFICATIONS

MACHINE DIMENSION AND WEIGHT		
MACHINE MODEL	[um]	3015
Length	[mm]	4250
Width	[mm]	2260
Height	[mm]	1900
Weight	[kg]	2850

WORKING AREA			
MACHINE MODEL	[um]	3015	4020
X axis	[mm]	3060	4060
Y axis	[mm]	1540	2050
Z axis	[mm]	100	100
Max.sheet weight	[kg]	1100	1800

1)Approximate values.The exact parameters are specified in the installation plan.

SYSTEM SPECIFICATIONS COMPARISON

Our advanced Hypertherm pump technology provides 30% more nozzle horsepower than intensifier pumps.This added power means you can produce parts faster and at lower costs.



		HyPrecision™ 50S		HyPrecision™ 60S		HyPrecision™ 75S		HyPrecision™ 100D		HyPrecision™ 150D	
		50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
GENERAL	Maximum output flow	3.79 lpm	4.16 lpm	4.54 lpm	4.92 lpm	5.68 lpm	6.06 lpm	7.95 lpm	8.33 lpm	11.36 lpm	12.11 lpm
	Maximun orifice	0.356 mm	0.38 mm	0.406 mm		0.432 mm	0.457 mm	0.508 mm	0.533 mm	0.610 mm	0.635 mm
	Continuous output pressure	Adjustable to 60,000 psi (4137 bar)						Adjustable to 60,000 psi (4137 bar)			
	Intensifier configuration	Single						Dual			
	Pressure control	Panel-mounted Dual Manual						Electronic Proportional			
	Bleed-down valve	Hydraulic						Hydraulic			

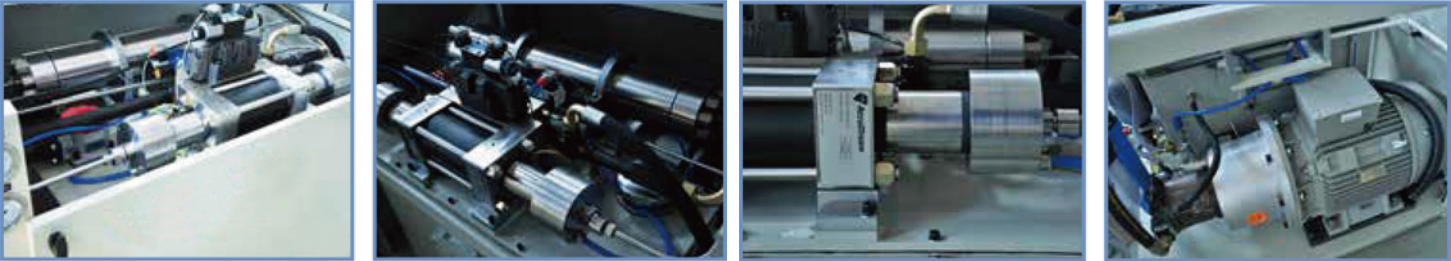
PUMP POWER	Motor power	37.3 kW		44.7 kW		56 kW		74.6 kW		111.9 kW	
	Voltage	400 V	208-230/460 V	400 V	460 V	400 V	460 V	400 V	460 V	400 V	460 V
	Full load	73 A	138-125/62 A	75 A	71.1 A	103 A	87.1 A	138.8 A	117.5 A	204 A	173.4 A
	Main breaker	80 A	150/80A	100 A		125 A	100 A	150 A		225 A	
	Soft start	True Soft Start						True Soft Start			

PHYSICAL	Overall width * length * height	1016 * 1930 * 1422 mm			1143 * 2184 * 1422 mm		1397 * 2057 * 1422 mm	
	Approximate operating weight	1406 kg		1497 kg		1882 kg		2767 kg

OPTIONS	External air-over-oil cooling		External air-over-oil cooling	
	Chiller for oil cooling		Chiller for oil cooling	
	Redundancy		Water isolation valves	Water and hydraulic isolation valves
	Redundancy ready		-	
	Electronic proportional pressure control		-	



	YCG-3038	YCG-3742S	YCG-7542S
Max Pressure	380Mpa/55.000Psi	420Mpa/60.000Psi	420Mpa/60.000Psi
Max Water Flow	3.7L/min	3.7L/min	7.4L/min
Max Orifice	0.28mm/0.011"	0.33mm/0.013"	0.40mm/0.016"
Max Nozzle	0.76/0.03"	1.02/0.04"	1.27/0.05"
Power	30Kw/40Hp	37Kw/50Hp	75Kw/100Hp



THE MAX 3D 5-AXIS CUTTING HEAD 2.0

• The 3D cutter head has five axes, 3 linear and 2 rotating. It has been designed for both pure 3D cut and 2D 1/2 cut (flat cut with bevel), without losing 2D (flat) cut functionality. Its design features offer great work possibilities. Especially its infinite rotation in the C axis, which avoids the need to rewind with a consequent reduction in working times and a lower risk of reducing the cut quality. On the rotating frame of the C-axis, it is possible to connect the height adjustment and anti-collision control module.



5-Axis Cutting Head

C axis	
Effective range	Infinite
Max positioning speed	300 min-1
A axis	
Effective range	± 60°
Max positioning speed	500 min-1



L-SERIEES INTEGRAL GANTRY TYPE

Lathe bed and water tank are non-detachable, After the heating-treatment of whole machine table (to eliminate the stress of 95%), it is much better than the VSR(to eliminate the stress is 35%), It can, ensure the accuracy and stability in long time.

Model		MAX-WJ -1010L	MAX-WJ -1313L	MAX-WJ -2030L	MAX-WJ -2040L	MAX-WJ -4030L	MAX-WJ -6020L	MAX-WJ -8030L	
Effective Cutting Area		mm	1000 x 1000	1300 x 1300	2000 x 3000	2000 x 4000	4000 x 3000	6000 x 2000	8000 x 3000
Axis travel	X axis	mm	1000	1300	2000	2000	4000	6000	8000
	Y axis	mm	1000	1300	3000	4000	3000	2000	3000
	Z axis	mm	150-180	150-180	150-180	150-180	150-180	150-180	150-180
Cutting accuracy		mm	+/- 0.1						
Positioning ccuracy		mm	+/- 0.02						
X,Y dry-run speed		m/min	0-15 (if need 30m/min speed,we can do as request)						
Cutting speed		m/min	as to detail material and thickness						

THE NEW SMART BEC SERIES

ACCURL has launched its new BEC SMART panel bender, designed to satisfy the most demanding market needs. With an innovative design, this is the result of more than 35 years of ACCURL's own know-how in the field of bending.



Automatic Panel Bending Solutions:

ACCURL BEC SMART Smart automatic panel bender has been designed with a modular concept, so that it may incorporate a large range of accessories and offer fully automated solutions.

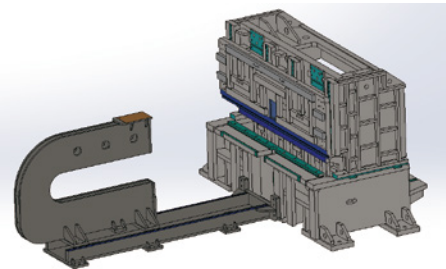
The BEC Smart bending cell is a revolutionary bending solution thanks to the “safety integrated” concept that allows the operator to focus only on value-added operations, aided by visual devices and sound signals.

Universal Tooling:

The Flexible Panel Bender bends the sheet metal with one universal tooling, able to bend various complex shapes.

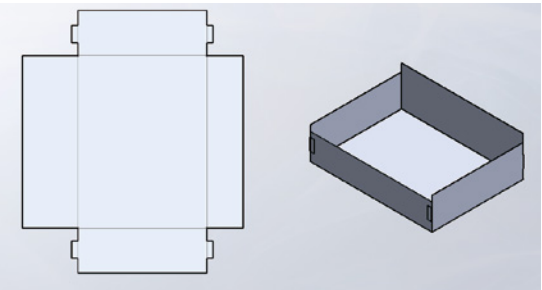
Auxiliary tool system makes the BM a highly versatile bending equipment, allowing a wide range of special bendings.

The servo motor controls the movement of the positioning L-block, which is fast and accurateMaximum comfort for the operator thanks to the lack of physical barriers and work surfaces that can be lowered to facilitate the loading of small or medium-sized parts.

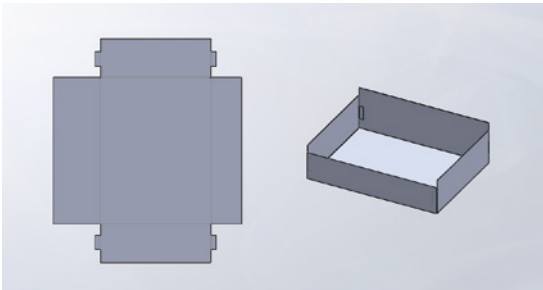


UNIVERSAL BENDING TOOLS PROIDE

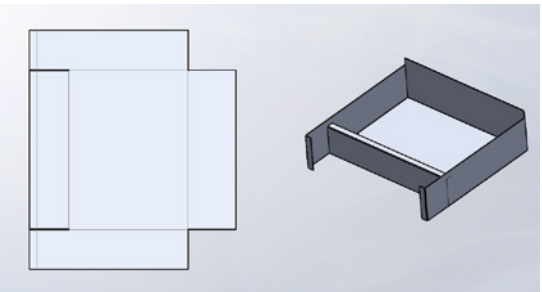
Maximum Versatility:



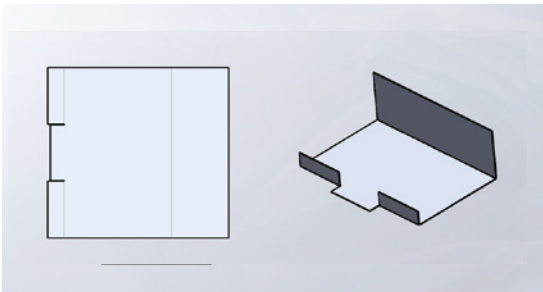
Example: Lugs on the inside of a box



Example: Lugs on the inside of a box

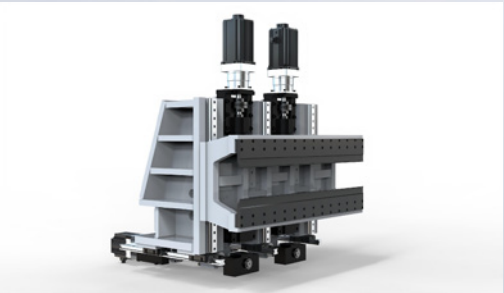


Example: Bend center section on edge of a blank



Example: Bend sections symmetrical to the centerline of the machine on edge of a blank

Sometimes for special production needs, such as panels with complex bending profiles, it is industrially necessary to use special tools such as AST.

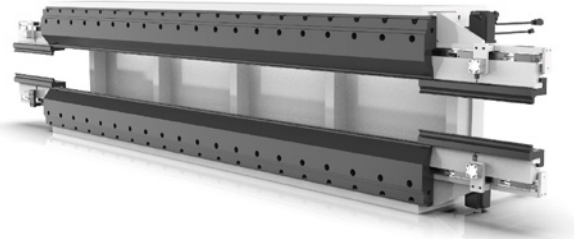


EXTRA BLACK HOLDER TOOL

With additional upper blank holders, you can also produce very narrow profiles or components with formed sections near the bending lines. If required, the machine automatically swivels in the ENW extra blank holder from above. The available standard blank holders do not need to be replaced or modified for this.

Extra Bending Tools(AST)

The extra bending tools can be set up automatically in order to bend flanges or offset bends. When necessary, the tools automatically move to the correct position from their parked position, and process the sheet without using the remaining bending tools.Auxiliarytool system makes the BM a highly versatile bending equipment, allowing a wide range of special bendings.



HPP series C Frame Hydraulic Punch Press

Standard Equipment

- The struct of the press looks like "C" and all parts are installed in the machine body which facilitate easy and safe operation.
- The press can be tailor made to meet different application requirements.
- Pressing and with drawing of shaft and sleeve.
- Straighting, forming, cutting and punching of various materials.
- External housing of laptop, air conditional and sheet metal parts.
- Bending and deep drawing of sheet metal.
- OA steel furniture drawer and rail parts.
- Applicable for compression test.



Technical Parameters

Model		HPP-16T	HPP-25T	HPP-40T	HPP-63T	HPP-100T	HPP-160T	HPP-250T
Pressure (KN)		160	250	400	630	1000	1600	2500
Max.pressure(Mpa)		13	20	22.5	24.5	25.8	25.5	25
Max.Open height		500	550	600	630	800	1000	1000
Stroke		350	350	400	500	500	500	500
Advanced speed		125	125	120	120	120	85	85
Working speed		8-15	8-15	8-15	8-15	8-15	8-15	8-15
Return speed		110	110	100	100	90	90	90
Throat		300	300	320	350	350	350	360
Table size	F-B	500	500	550	650	650	650	660
	L-R	600	600	700	700	800	800	800
Distance from ground to table		700	700	700	700	700	700	700
Table hole size		70	70	70	80	80	100	120
Power(kw)		5.5	5.5	5.5	5.5	7.5	15	22
Over dimensions (mm)	F-B	1140	1280	1370	1520	1570	1680	1780
	L-R	740	755	900	760	840	1000	1200
	Height	1990	2200	2250	2550	2670	2800	3120
Weight(kg)		1200	2000	2500	3000	4000	6800	9600

HBP series Four Pillar Hydraulic Deep Drawing Press

Standard Equipment

- Adopt advanced Taiwan TWOWAY cartridge valve hydraulic circuit with little fault, minor reversing impact and high reliability.
- Oil cylinder is made of alloy cast steel with precision grinding, which keeps reliable performance even under high pressure condition.
- Four columns are made of high strength alloy steel with hard chromium plated surface featuring good wear-resistance.
- The main hydraulic and electric units adopt brandname parts from France, Germany, USA, Japan, Taiwan to ensure perfect performance and long life span.
- The moving table has fast speed when no load so high productive efficiency can be achieved.
- Designed with adjustable pressing speed, the press is applicable for deep drawing of various thickness and materials.
- Upper die ejector is installed on the slide, so no need air compressing.



Technical Parameters

Item		HBP-200	HBP-250	HBP-315	HBP-400	HBP-400A	HBP-500	HBP-500A	HBP-500B	HBP-630	HBP-630A
Nominalforce(KN)		2000	2500	3150	4000	4000	5000	5000	2500x2	6300	3150x2
Returnforce(KN)		240	400	600	500	500	900	900	400	850	600x2
Working pressure(Mpa)		25	25	25	25	25	25	25	25	25	25
Gushion pressure(KN)		400	400	630	1000	1000	1600	2000	1000	2500	1250x2
Daylight of side(mm)		1120	1120	1250	1250	1250	1500	1500	1500	1500	1500
Stoke (mm)	Upper side	710	710	800	800	800	900	900	900	900	900
	Cushion	250	250	300	300	300	350	350	350	350	350
Table size (mm)	L-R	900	1100	1200	1200	1750	1400	2200	2200	1600	2500
	F-B	900	1000	1200	1200	1250	1400	1600	1600	1600	1800
Cushion size (mm)	L-R	660	700	800	800	1270	970	1720	1720	1120	2020
	F-B	600	600	650	650	820	900	1120	1120	1120	1270
Speed of side (mm/s)	descent	150	130	100	130	130	120	150	150	130	140
	Pressing	5-12	7-15	5-12	4-10	4-10	7-15	7-15	7-15	5-12	5-12
	Return	95	90	60	70	70	80	90	90	85	85
Table hight above floor(mm)		700	700	600	600	600	550	550	550	500	500
Over dimensions (mm)	L-R	3100	3250	3100	3150	3700	5800	6600	6600	4150	5100
	F-B	1350	1350	2100	2300	2300	2600	2600	2600	2600	2600
Motor power(KW)		15	22	22	22	22	2x22	2x22	2x22	2x22	2x22

W11 series Mechanical 3–Roller Rolling Machine

Its upper roller can lift and two bottom rollers can move horizontally separately or synchronously. Every bottom roller-performfunctions of bottom roller and sider roller in turn, become two types non-symmetrical three roller rolling plate machine, which canfinish pre-bend and roll of thin and thick plate at the same time.It is convenient to roll taper work piece.Note: The machine that more than 25*2500 adopts discharge by hydraulic connection plate.



	Max. plate thick ness (mm)	Max. prebending thick ness (mm)	Max.plate width (mm)	Roll speed (m/min)	Min. diamter of max.plate thickness (mm)	Upper roller diameter (mm)	Bottom roller diameter (mm)	Motor power (Kw)	Dimension LxWxH (mm)
W11-6x2000	6	4	2000	5.6	380	180	170	5.5	3600x980x1300
W11-6x2500	6	4	2500	5.6	450	230	200	7.5	5600x1380x1450
W11-8x2000	8	6	2000	5.6	450	230	200	7.5	5100x1380x1450
W11-8x2500	8	6	2500	5.5	500	240	220	11	5780x1490x1540
W11-8x3200	8	6	3200	5.8	650	260	230	15	6400x1490x1540
W11-12x2000	12	8	2000	5.5	500	240	220	11	5240x1490x1540
W11-12x2500	12	8	2500	5.8	650	260	230	15	5740x1485x1600
W11-12x3000	12	8	3000	5.8	750	300	260	22	6400x1770x1700
W11-16x2000	16	12	2000	5.8	650	260	230	15	5240x1485x1600
W11-16x2500	16	12	2500	5.8	750	300	260	22	5800x1770x1700
W11-16x3200	16	12	3200	5.6	900	340	300	22	6900x1900x1750
W11-20x2000	20	16	2000	5.8	750	300	260	22	5300x1770x1770
W11-20x2500	20	16	2500	5	850	340	300	30	6140x1900x1750
W11-25x2000	25	20	2000	5	850	340	300	30	5640x1900x1750
W11-25x2500	25	20	2500	4.5	950	380	320	37	7500x1740x1930
W11-30x2000	30	25	2000	4.5	950	380	320	37	6800x1740x1930
W11-30x2500	30	25	2500	4.5	1100	420	320	45	7850x1740x2100

W12 series Hydraulic CNC 4–Roller Rolling Machine



Model	Max. Rolling Thickness (mm)	Maximum cimp width (mm)	Plate yield limit (MPa)	Rolling speed (m/min)	Precurvedplate thickness (mm)	Loaded with minimum diamter (mm)	The upper roller diameter (mm)	Roll diameter (mm)	Side of the shaft diameter (mm)	Main motor power (Kw)	Dimension LxWxH (Kw)
W12-12x2000	12	2000	245	5.45	10	700	260	260	200	18.5	5600x2000x2070
W12-12x2500	12	2500	245	5.5	10	750	300	300	220	18.5	6300x2000x1200
W12-12x4000	12	4000	245	4	10	850	410	360	280	30	7600x2000x1800
W12-16x2000	16	2000	245	5.5	12	750	300	300	220	18.5	5800x2000x1800
W12-16x2500	16	2500	245	6.5	12	850	330	330	260	22	6810x2000x1870
W12-20x2000	20	2000	245	6.5	16	850	330	330	260	22	6000x2000x1850
W12-20x2500	20	2500	245	6.5	16	1000	360	360	280	30	6850x2000x2070
W12-20x3000	20	3000	245	4.5	16	1100	410	400	320	37	7310x2100x2200
W12-25x2000	25	2000	245	6.5	22	1000	360	360	280	30	6300x2300x2070
W12-25x2500	25	2500	245	5	22	1100	410	400	320	37	8000x2600x2100
W12-25x3000	25	3000	245	5	22	1150	480	480	400	37	9000x3200x2500
W12-25X4000	25	4000	245	4	22	1200	560	520	420	45	10100x3500x2900
W12-30x2000	30	2000	245	5	25	1100	410	400	320	37	7500x2600x2500
W12-30x2500	30	2500	245	4.5	25	1150	480	480	400	37	8400x2590x2600
W12-30x3000	30	3000	245	4	25	1300	560	520	420	45	9200x3500x2900
W12-30x4000	30	4000	245	4	25	1500	650	580	480	55	10200x3500x2900
W12-40X2000	40	2000	245	4.5	36	1200	480	480	400	37	8200x3000x2500
W12-40x2500	40	2500	245	4	36	1300	560	520	420	45	8700x3500x2900
W12-40x3000	40	3000	245	4	36	1500	650	580	480	55	9200x3600x3000
W12-50X2000	50	2000	245	4	45	1500	560	460	420	55	8500x3500x3000
W12-50x2500	50	2500	245	4.5	45	1550	650	600	500	55	9000x4000x3300
W12-50X3000	50	3000	245	4	45	1800	700	650	520	55	9800x4300x3500
W12-60x2500	60	2500	245	4	50	1800	720	650	520	55	9500x4500x3700
W12-60x3000	60	3000	245	4.5	50	1800	750	710	560	75	10000x4500x3800
W12-70x3000	70	3000	245	3.5	60	2500	750	720	600	75	13000x3500x3800
W12-80x3200	80	3200	245	3	70	2500	800	780	620	75	13500x3500x3800
W12-90x4000	90	4000	245	3	80	2500	900	880	700	90	15000x3800x4200

JH21 series C–Type High Precision Power Press

Standard Equipment

- JH21 Series High Precision Presses is one of the new generation of plate process and developed by Anhui Laifu Nc Machine Co, Ltd.,The press is for cutting punching. blanking, bending and light stretching work.
- Rigid construction guarantees exact die mating,Six-side long rectangle guides of the slide with high moving precision and high accuracy, extending the service life of the die.
- Highly advanced, rigidly supported gears, operate in oil bath without any noise saves space, reduces, shaft deflection, increases gear life.
- The Press adopts the low inertia combined dry pneumatic friction clutch and brake from OMPI, Italy, Smoother press performance, easier maintenance, to ensure reliable safety and flexible action,low noise, long service life.
- Driving gear is installed into the frame and gear is immersed in oil reservoir. Customer could choose Electromagnetic governor. which is stepless speed regulation within a certain range and enlarge the area of craf.
- Use adopts dual valve from TACO, Japan, which can guarantee the safety and reliability of clutch.
- Machine is with both hands button and foot switch control: anti-tie down, non-repeat controls with ring guards; conforms to OSHA.
- Auto grease lubrication system,easy stroke adjustment mechanism increases press versatility tremendously.
- Pneumatic dual balance cylinder, which balances the slide block and punch weight to reduce noise and impact;
- The RAM is a whole cast form construction which adopts imported hydraulic overload protector from Showa, Japan with agile and reliable action. After overioad, it can reset automatically to reduce the down time and improve the availability of press.



Type		Nominal	Nominal Stroke	Slide Stroke	Slide Strokes Per Minute		Max Die Set Height	Die Height Adjustment	Throat Depth	Distance Between Uprights	Slide Bottom Size		Shank Hole Size		Bolster Size		Blanking Hole Diameter	Bolster Thickness	Bolster Surface Height	Overall Dimensions			Distance Between Foundation Bolts		Motor	Weight (Approximate)	Press Pressure
					Fixed	Variable					LxR	FxB	Dia	Depth	LxR	FxB				FxB	LxR	H	FxB	LxR	Power		
		KN	mm	mm	min ⁻¹	min ⁻¹	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kw	Kg	Mpa
JH21-25	H	250	3	50	125	75-150	265	50	210	450	360	250	40	65	720	400	150	80	780	1500	945	2120	980	690	3	2450	0.5
	S		3	80	100	60-120	250																				
JH21-45	H	450	4	70	95	65-115	295	60	225	515	410	340	50	60	825	440	150	110	800	1585	1075	2390	1075	760	5.5	3550	
	S		4	120	80	50-95	270																				
JH21-60	H	600	4	80	90	60-110	330	70	270	560	480	400	50	70	930	520	150	130	900	1540	1200	2570	1100	840	5.5	5150	
	S		4	140	70	45-85	300																				
JH21-80	H	800	5	100	80	55-95	350	80	310	610	540	460	50	65	950	600	180	140	900	1765	1200	2725	1210	920	7.5	6450	
	S		5	160	60	40-75	320																				
JH21-100	H	1000	5	100	80	55-95	365	90	330	670	620	520	70	90	1060	640	180	145	900	2000	1300	3010	1365	1020	7.5	8650	
	S		5	160	55	35-65	335																				
JH21-125	H	1250	6	110	70	50-85	385	90	350	670	620	520	70	90	1100	680	200	155	900	2040	1320	3035	1430	1040	11	9550	
	S		6	180	50	35-60	350																				
JH21-160	H	1600	6	130	60	40-70	435	100	400	736	700	580	70	100	1175	760	220	165	900	2305	1420	3215	1665	1140	15	13600	
	S		6	200	45	30-55	400																				
JH21-200	H	2000	6	150	50	35-60	485	110	430	910	880	650	70	100	1390	840	240	180	1000	2600	1540	3800	2020	1360	18.5	19200	
	S		6	220	45	30-55	450																				
JH21-250	H	2500	6.5	120	45	30-55	530	120	450	980	950	700	70	130	1500	880	260	190	1000	2660	1640	3850	2100	1460	22	23200	
	S		6.5	220	30	20-35	500																				
JH21-315	H	3150	7	120	45	30-55	530	120	450	980	950	700	70	130	1540	880	260	190	1000	2720	1680	3850	2140	1500	30	26600	
	S		7	220	30	20-35	500																				
JH21-400	H	4000	8	180	40	30-50	585	120	490	1050	1020	750	70	130	1700	950	280	210	1100	2850	1750	4140	2185	1570	37	29500	
	S		8	250	30	20-35	550																				

* The contents are subject to change without prior notice.

J23 series O.B.I.Eccentric Power Press

Standard Equipment

- J23 series Open Eccentric Presses is a general-purpose presses, suitable for forming, blanking, punching, bending and other cold stamping process.
- C_frame Casting fuselage,maximum rigidity and minimum deflection for accurate parts and long tool life. body can be tilted, high rigidity and less deformation Compact. Thick plates and large columns provide you with the stable platform you need for your demanding application.
- High accuracy, high efficiency, simple and convenient operation, good performance, favorable price and best service.



item		J23-6.3	J23-10.8	J23-16	J23-25	J23-40	J23-63	K23-80	K23-100	K23-125
Nominal Pressure		6.3	10	16	25	40	63	80	100	120
Nominal Pressure Stroke		2	2	3	4	5	6	6	10	12
Side Stroke		35	50	60	70	100	120	120	130	130
Strokes per Minute		170	130	120	70	60	50	50	45	45
Max.Die Height		120	130	160	200	240	280	280	300	330
Die height Adjustment		30	35	40	55	65	80	80	100	120
Throat Depth		110	130	170	200	200	230	260	300	330
Bedster Surface Size	F.B.	200	240	300	320	430	450	480	550	650
	L.R.	310	360	480	520	650	710	780	950	1050
Bed Opening Size	F.B.	110	100	110	190	150	200	220	250	340
	L.R.	160	180	220	290	300	340	340	370	530
	Dia	140	130	150	260	200	250	260	300	450
Side Surface Size	E.B.	120	150	150	170	220	230	250	280	380
	L.R.	140	170	230	250	280	300	320	360	510
Size of the handle hole		Φ30X55	Φ30X55	Φ35X60	Φ40X60	Φ50X70	Φ50X70	Φ60X70	Φ60X80	Φ80X80
Distance between Uprights		150	180	220	260	300	350	350	380	410
Thickness of Boster		30	50	60	60	800	90	90	100	110
Indinable Angle		45	30	35	30	30	30	30	25	25
Main Motor	Model	Y90S-6	Y90L-6	Y100L-6	Y112M-6	Y132M1-6	Y132M2-6	Y132M26	Y132M-6	Y132M-4
	Power	075	1.1	1.5	2.2	4	5.5	5.5	7.5	11
Over all Dimension	E.B.	780	915	1140	1450	1500	1700	1810	1950	2150
	L.R.	570	750	905	950	1180	1330	1450	1500	1350
	Height	1500	1690	1890	2100	2300	2540	2850	2800	3350
Gross Weight		450	680	1100	1630	2850	4100	4550	7350	8750

JH25 SERIES C-FRAME TWO POINT PRESS



STANDARD EQUIPMENTS

- Wet clutch(World)
 - Hydraulic overload protecting pump
 - Auto lubrication system
 - Manual lubrication system
 - Balance cylinders for slide and upper die
 - Digital die height indicator
 - Joint for miss-feeding
 - Touch screen
- Electronic crankshaft angle indicator
 - Rotary cam controller
 - Rotary encoder
 - Movable operation panel
 - Die height adjusted motor
 - PLC: Programmable logical controller
 - Air source quick connector
 - Foundation bolts
 - Air blowing device

>> / Optional Equipments

- 1.Light curtain
- 2.Foot pedal
- 3.Die or piston cushion
- 4.Die quick change
- 5Automatic feeding the output shaft
- 6.Inverter
- 7.Absorbing pads
- 8.Knock out device

>> / Features

- 1. Adopt high torque wet type friction clutch featuring stable operation, low noise, long service life and high safety and reliability;
- 2. Ultra-large bolster machine tool, suitable for production of large area sheet and automatic progressive die, increasing the working efficiency;
- 3. High quality steel plate welded frame to considerably enhance the body strength and rigidity;
- 4. Adopt double crankshaft reverse driving to enhance the eccentric load resistance of machine tool;
- 5. Adopt 6-face rectangular guideway with favorable guidance performance and high accuracy.
- 6. Electrical adjusted mold and reading accuracy to 0.1mm;
- 7. Adopt centralized lubrication and is equipped with circulation indication device;
- 8. Be able to be equipped with various automation peripheral equipment so as to improve the production efficiency;
- 9. Adopted imported electric components to enhance the operation performance of machine tool.

>> / Specifications

Type		Nominal Capacity	Nominal Stroke	Slide Stroke	Slide Strokes Per Minute		Max Height With Mode	Die Height Adjustment	Throat Depth	Column Distance	Slide Bottom Size	Shank Hole Size	Bolster Size	Bolster Tickness	Bolster Surface Height	Motor Power	Overall Dimensions (FB×LR×H)	Weight (Approximate)	Press Pressure
					Fixed	Variable													
		KN	mm	mm	min ⁻¹	min ⁻¹	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kw	mm	Kg	Mpa
JH25-110	H	1100	5	180	50	35-65	400	90	350	1470	1400×520	3-φ60×80	1880×680	155	900	11	1820×1970×3200	14000	0.55
	S		5	110	70	45-85	435												
JH25-160	H	1600	6	200	45	35-55	450	100	390	1600	1500×580	3-φ60×85	2040×760	165	900	18.5	2080×2150×3380	19000	
	S		6	130	60	40-70	485												
JH25-200	H	2000	7	250	35	25-40	500	110	430	1920	1850×650	3-φ70×90	2420×840	170	1000	22	2370×2550×3820	26500	
	S		7	150	50	30-60	550												
JH25-250	H	2500	7	280	30	20-35	550	120	470	2190	2100×700	3-φ70×100	2700×920	180	1100	30	2700×2850×4180	35000	
	S		7	170	45	30-50	605												
JH25-315	H	3150	7	280	30	20-35	550	120	480	2170	2100×700	3-φ70×100	2800×940	190	1090	37	2730×2840×4180	36000	
	S		7	170	40	30-45	605												

* The contents are subject to change without prior notice.