http://www.atcgroups.com/

https://www.google.com/maps

AIRTAC ENTERPRISES PHILS. CO. LTD. CORP

MAIN OFFICE: UNIT 57 & 58 CENTURY COMMERCIAL COMPLEX V PALIPARAN ROAD SALAWAG DASMARIÑAS, CAVITE

TELPHONE NO. : (046)430-0027 (046)430-0034 (046)430-0080 (046)884-6468 (046)884-6252 (046)884-1155 (046)884-1166 (046)884-6296 (046)686-2217 (046)686-2204 (028) 463-1269 (028)463-1270 (028)463-1279

EMAIL ADDRESS: AIRTAC.ATCGROUP@YAHOO.COM

MANILA BRANCH: 527-A, Valenzuela, 1440 Metro Manila
TELEPHONE NO.: 0945-522-8595 / 0962-589-0686

CEBU BRANCH: Mandawe City Cebu
TELEPHONE NO. 0954-197-9213 / 0961-745-6005

BACOLOD BRANCH: Bacolod, negros Occidental
TELEPHONE NO. 0905-441-5695 / 0962-742-4187

CAGAYAN DE ORO BRANCH: Cagayan de Oro, Misamis Oriental
TELEPHONE NO. 0961-641-1927

Feature.

More accurate pressure, position and synchronous control, and the repetition accuracy of the system is up to 5 μ m

Faster performance

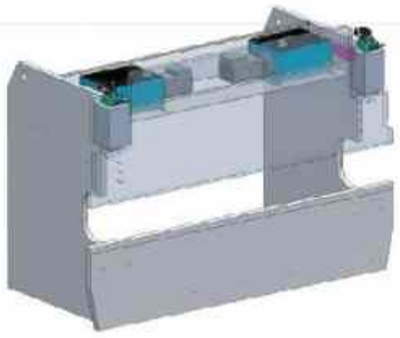
Closed hydraulic system, tank volume reduced by 75%

Hydraulic system with high stability and long service life

High efficiency and energy saving, realize energy supply on demand, and significantly reduce electricity expenditure

Effectively reduce the noise at work. The motor does not rotate during standby ,almost

reaching zero noise.



GROUPS ATC // THE BEST INDUSTRIAL EQUIPMENT

Hybrid Electric Double Servo Pumps Control Hydraulic System

- Output according to actual tonnage, start when the motor is running, saving energy and electricitybills.
- The oil volume is small and there is no need to change the oil later. It is environmentally friendly,saves costs and has low noise.
- Increase efficiency by 30% and increase output.
- High precision.
- The actual tonnage output makes the machine body more durable and does not damage the toolmold.
- The servo pump control motor has good software and hardware compatibility, the system isstable, and the machine does not stop all day long.

Hydraulic System

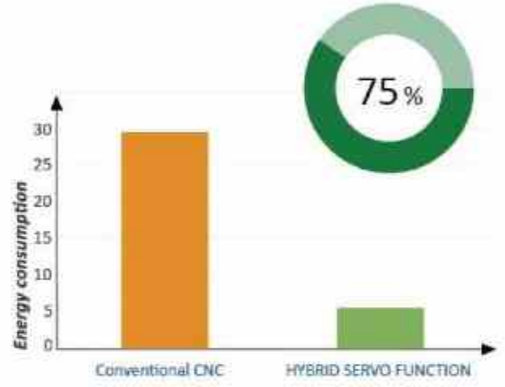
- Germany's new electric servo drive system is an intelligent, pipeless, fully enclosed electric servodrive system that is highly efficient and energysaving.
- The fuel tank capacity is reduced by 70%, the performance is improved quickly, the working cyclis reduced by 10%, and the efficiency is increased by 50% compared with the traditional system3 The positioning accuracy of up to 5MM is integrated with the servo pump system, which reduce noise during operation.The intearated pressure filter ensures hiah stability and service life of theequipment

Maximum stamina!
↗ Ultra-long service life

Reduced cooling time!
Quality ↗ Higher Operation Speed ↗

Faster & more efficient!
Speed ↗ more than 40% Oil Saving ↗

More faster!
Save time and costs ... ↗



ESVP (Hydraulic system V3.0)

50%

The highly flexible all-round CNC press brake DP-Hydrid Servo is the latestdevelopment of the company. Includes new technical innovations in combinationwith the already well proven technology and know-how from many years ofexperience and passion coming from DURMAPRESS. A highly dynamic hybrid servodrive system and the user-friendly control are only two of the outstanding propertiesof our new DP-Hydrid Servo.

- High efficiency and energy saving, oil tank capacity reduced by 70%.
- Fast-performance and duty cycle reduction 10%
- Compared with the traditional system,energy efficiency 50% up
- The positioning accuracy of precision-up to 5um Integrated servo pump
- Lower noise at work integrated pressure filters ensures high stability and long service life

HAWE HYDRAULIK

Feature.

Main motor servo motor, which realizes on-demand functions and significantly reduces

electricity expense

The servo pump system only rotates when needed, and the comprehensive noise is reduced by 30%

The control mode of torque limit and analog speed is adopted to eliminate the closure and overflow of the valve and greatly reduce the oil temperature

Extend service life and reduce maintenance costs

SVP-(-Hydraulic-system-V2.1-)

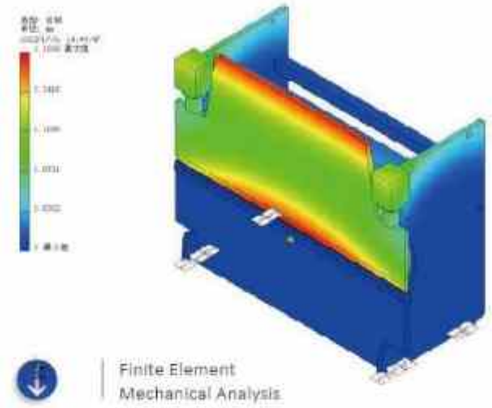
Using servo motor as the main power source of hydraulic pump can save about 40% energy

The overall efficiency of the slider increases by about 7-20%

Oil temperature can be reduced by about 10-20 °C

GROUPS ATC // THE BEST INDUSTRIAL EQUIPMENT

Rigid Frame



Finite Element
Mechanical Analysis

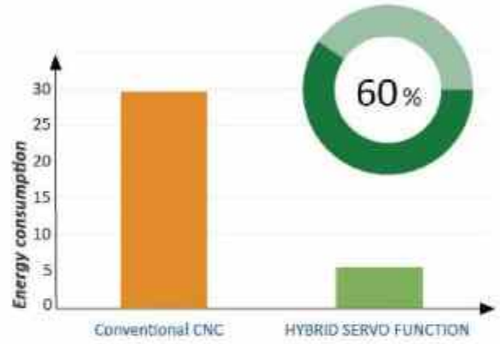
Adopt all steel welding frame and assembly workbench structure, with high precision and good rigidity; UG\ANSYS\CAD 3D finite element analysis and optimization design are adopted for the main components to ensure the overall stability of the rack.

Maximum stamina!
↗ Ultra-long service life

Reduced cooling time!
Quality ↗ Higher Operation Speed ↗

Faster & more efficient!
Speed ↗ more than 40% Oil Saving ↗

More faster!
Save time and costs ... ↗



BGA-4 CNC Back Gauge System(Optional)

DURMAPRESS® Press Brake are provided and equipped with BGA-4 CNC backgauge constituted by a solid structure in order to assure the best accuracy and high precisionin axes positioning.

DURMAPRESS® BGA-4 for CNC BackGauge:
Stroke X = 1000 mm
Max. Speed X = 450 mm/s
Stroke R = 250 mm
Max. Speed Z = 550 mm/s

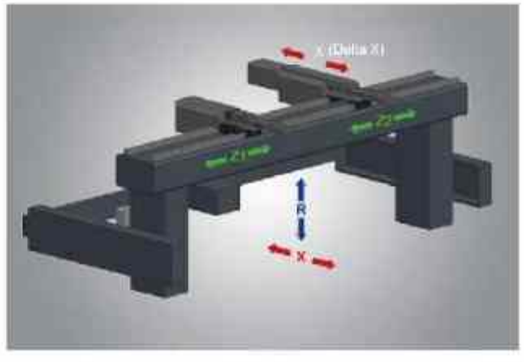
Advantages:
- X ,R-Axis with HIWIN linear guide and Ball Screw.
- CNC(Manual) Z1,Z2-axis with HIWIN linear guide.
- Unprecedented positioning accuracy of±0.05 (optional ±0.01).
- To reach maximum versatility you can automate both backstops with X1-X2 axes, reaching an angle of 80°on oblique bends.

BGA-6 CNC Back Gauge System

DURMAPRESS® Press Brake are provided and equipped with BGA-6 CNC backgauge constituted by a solid structure in order to assure the best accuracy and high precision in axes positioning.

DURMAPRESS® BGA-6 for CNC BackGauge:
Stroke X = 800 mm
Max.Speed X = 450 mm/s
Stroke R = 250 mm
Speed Z = 550 mm/s

Advantages:
- Fast, highly accurate safe movement
- Resistance to crash.
- Maintenance free.
- Adjustment availability at every point.



A variety of back gauge are available,higher configuration, more powerful functions and easier operation

DP-Hybrid Euro

Fast Bending

2 Years Guarantee

DP-Hybrid Euro Servo
CNC Press Brake

Feature.

- Imported configuration, stable and reliable
- High strength frame with thick plate and sufficient material
- High precision rear retaining system
- Standard 4+1Axis (X,Y1,Y2,R+W)
- Closed loop control and worktable auto mechanical deflection compensation

Main motor servo

Using servo motor as the main power source of hydraulic pump can save about 40% energy.
The overall efficiency of the slider increases by about 7-20%
Oil temperature can be reduced by about 10-20 °C

GROUPS ATC // THE BEST INDUSTRIAL EQUIPMENT

Advantages of servo motors

- High energy-saving potential
- Decreased operating costs
- Clearly reduced cooling effort
- System safety
- Future-oriented technology
- Remarkable noise reduction
- Fewer secondary measures
- Compliance with EU CE Directives
- Decrease in the number of expensive machine failures

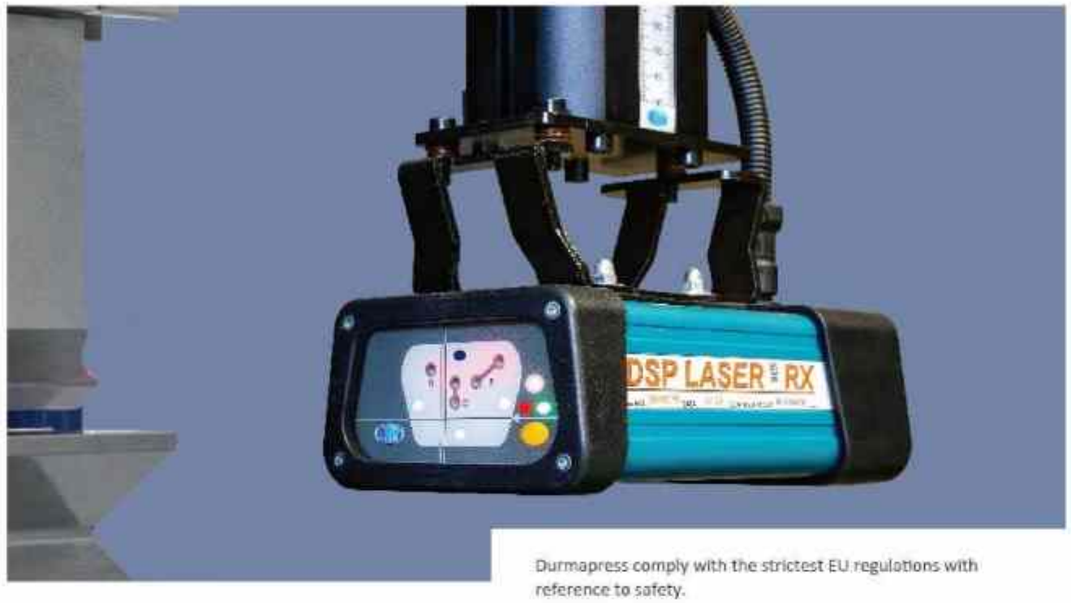
Energy saving comparison of DP-ECO Series SVP One-way Servo Pump Control CNC Press Brake

Energy saving comparison	DP-ECO series	SVP One-way Servo Pump
Press Brake 170T Working Hours 8h	 2xSynchronization 1xPower Unit Three Phase Motor Oil Supply	 2xSychronization 1xPwer Unit Servo Mfotor Oil Supply On Demand
Power Dissipation	41.7kw.h	-47% 19.8kw.h
Hydraulic Tank Capacity	280L	-42% 2X60L
Noise Level Peak/Average/Free	87.6/74.6/67.0dB(A)	-11 dB(A) 76.5/67.6/-dB(A)

Relative proportional Valve System

In motor power 15kw, for example, working eight hours a day can save energy 56 kWh, 30 days of energy-aving 1680 kWh per month,365 days saving 20,440 kWh per year.

Laser Safety Protection



Durmapress comply with the strictest EU regulations with reference to safety.

The devices installed guarantee thorough safety of the operator without reducing the pace of work.

- The most advanced laser systems
- Safety PLCs able to manage and monitor the action of the proportional valves
- Visible dual beam linked to the upper tool: when interrupted, the movement of the press brake is immediately interrupted
- Easy adjustment by means of a grading scale
- Constant monitoring of parameters related to safety

Holland Wila Upper Tool Clamping Systems

The upper die is hydraulically clamped, and the clamping and loosening action is automatically controlled by electricity. The clamping force is large and reliable, and the die change is easy and efficient.

Holland WILA Lower Tool Holders

Lower die hydraulic clamping device; clamping and loosening action is automatically controlled by electricity, and die change is easier and more efficient.

GROUPS ATC // THE BEST INDUSTRIAL EQUIPMENT

Quickly Clamping

It is convenient to quickly clamp the upper die, reduce labor intensity and improve production efficiency. The utility model has the advantages of high precision, easy clamping, no loosening, no tool dropping, etc.

Moveable Front Support System

Moveable front support, moving along the linear guide rail, can be parked at any position,with rotation and height adjustment functions to help you to bend.

Grating Ruler(Fagor-France)

Exact measured distortion and feedback compensation,to ensure the precision of the bending,effctively prevent non-standard workpiece collision linear scales.

FAGOR

Crowning System(DZDY)

The compensation amount is automatically calculated and set by the CNC system to ensure the consistency of the full-length bending angle.

Follower Supports

When the workpiece is bent, the supporting plate can realize the function of turning to follow. The following Angle and speed are automatically calculated and controlled by the control system of the car. The mobile car can be designed.

Laser Check Angle Measurement

The use of laser angle measurement system can ensure a stable workpiece bending angle and improve the efficiency and stability of automatic machining.

Controls

Delem

	DA-53TX	DA-58TX	DA-66T	DA-69T	DA-66S	DA-69S
Axes	4	4	> 8	> 8	> 8	> 8
Screen	15"	18.5"	17"	17"	24"	24"
2D graphic/programming	●	●	●	●	●	●
3D graphic view	-	-	○	●	○	●
3D programming	-	-	-	●	-	●
Auto tooling selection	-	-	●	●	●	●
2D DXF import	-	-	○	●	○	●
3D IGES/STEP import	-	-	-	● (profile-T3D)	-	● (profile-S3D)
Export DXF 2D FP	-	- ○	(profile-T2D)	● (profile-T3D)	○ (profile-S2D)	● (profile-T3D)
2D Aut. bend. sequence	●	●	●	●	●	●
3D Aut. bend. sequence	-	-	-	●	-	●
Angle control (eyeV)	-	-	●	●	●	●
Barcode reading	-	-	○	○	○	○
Production monitor 4.0	-	-	○	○	○	○
Remote assist. (network)	○	○	●	●	●	●
LedBar	-	-	○	○	○	○
Offline software	Profile-TL	Profile-TL	Profile-TL	Profile-T3D	Profile-SL	Profile-S3D

● Standard ○ Optional

esa AUTOMOTION — CYBELEC

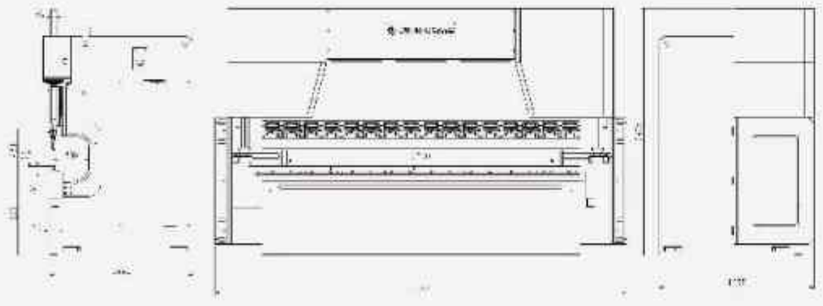
	VIS 650	VIS 860 W	VIS 875 W	CYBTOUCH 15PS	VISITOUCH PAC MX
	8	> 8	> 8	6	> 8
	15"	18"	21"	15"	19"
	●	●	●	●	●
	-	○	●	-	●
	-	○	○	-	●
	-	-	●	-	●
	-	○	●	-	●
	-	○	●	-	○
	-	○	○	-	○
	●	●	●	●	●
	-	○	●	-	○
	-	●	●	-	●
	-	●	●	-	○
	○	○	○	○	○
	●	●	●	○	●
	○	○	○	-	○
	ESA 2D	ESA 2D	ESABEND 3D	○	○

GROUPS ATC // THE BEST INDUSTRIAL EQUIPMENT

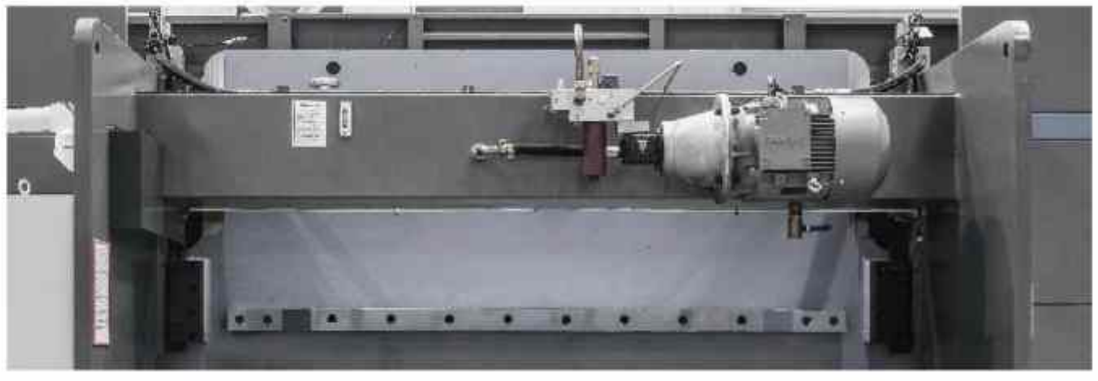
DP-ES. Technical parameter

Model	Bending Capacity(Ton)	Bending Length(mm)	Bending Speed(mm/s)	Throat Depth(mm)	Main Motor (KW)	Pump	Pole Distance(mm)	Dimesions(mm)
50T1600	50	1600	10	320	5.5	13	1200	2600*1550*2250
63T2500	63	2500	10	320	5.5	13	2000	3500*1650*2250
63T3200	63	3200	10	320	5.5	13	2700	4200*1650*2250
80T2500	80	2500	10	320	7.5	16	2000	3500*1650*2350
80T3200	80	3200	10	320	7.5	16	2700	4200*1650*2350
110T2500	110	2500	10	340	7.5	16	2000	3500*1650*2550
110T3200	110	3200	10	340	7.5	16	2700	4200*1650*2550
110T4000	110	4000	10	340	11	20	3300	5000*1650*2550
135T3200	135	3200	10	340	11	20	2700	4200*1650*2550
135T4000	135	4000	10	340	11	20	3300	5000*1650*2550
175T3200	175	3200	10	400	15	20	2700	4200*1750*2780
175T4000	175	4000	10	400	15	20	3100	5000*1750*2780
210T3200	210	3200	10	400	18.5	32	2700	4200*1850*2880
210T4000	210	4000	10	400	18.5	32	3100	5000*1850*2880
210T6000	210	6000	10	400	18.5	32	4800	7000*1850*2880
275T3200	275	3200	10	450	22	32	2700	4200*1950*2950
275T4000	275	4000	10	450	22	32	3300	5000*1950*2950
275T6000	275	6000	10	450	22	32	4800	7000*1950*2950
310T3200	310	3200	10	450	22	40	2700	4200*2050*3150
310T4000	310	4000	10	450	22	40	3300	5000*2050*3150
310T6000	310	6000	10	450	22	40	4800	7000*2050*3150

*Above data is only for reference,to prevail in kind



These dimensions may differ on customized machines. Dimensions for transport may differ.



Model	Bending Pressure	Bending Length	Column Distance	Throat Depth	Slide Stroke	Max. Opening Height	Main Motor Power	Average Power	X-axis Max. Distance	R-axis Max. Distance	Maximum Speed			Dimension			Weight
											Unload	Bending	Return	Length	Width	Height	
	(kn)	(mm)	(mm)	(mm)	(mm)	(mm)	(kw)	(kw)	(mm)	(mm)	(mm/s)	(mm/s)	(mm/s)	(mm)	(mm)	(mm)	(kg)
DP-EP-30/1250	300	1250	900	200	180	450	15.5	1.1	450	140	200	0-10	200	1850	1450	2810	3500
DP-EP-40/1300	400	1300	900	300	200	470	2×15.7	1.5	450	140	200	0-10	200	1880	1610	2490	4400
DP-EP-52/1650	500	1650	1200	300	200	470	2×19.3	1.8	450	140	200	0-10	200	2180	1610	2490	4800
DP-EP-60/2050	600	2050	1700	300	200	470	2×24.1	2.0	450	200	200	0-10	200	2680	1610	2560	5400
DP-EP-70/2500	700	2500	2000	500	300	470	2×24.1	2.7	450	200	200	0-10	200	2990	1610	2545	6800
DP-EP-110/2500	1100	2500	2000	400	250	525	4×19.3	2.7	600	200	200	0-10	200	3000	1860	3035	10200
DP-EP-110/3200	1100	3200	2700	400	250	525	4×19.3	2.7	600	200	200	0-10	200	3900	1860	3035	11900
DP-EP-110/4000	1100	4000	3500	550	250	540	4×19.3	2.7	600	200	200	0-10	200	4800	2010	3050	13500
DP-EP-130/2500	1300	2500	2000	400	250	525	4×24.1	2.8	600	200	200	0-10	200	3000	1860	3035	10300
DP-EP-130/3200	1300	3200	2700	400	250	525	4×24.1	2.8	600	200	200	0-10	200	3900	1860	3035	11700
DP-EP-130/4000	1300	4000	3500	550	250	540	4×24.1	2.8	600	200	200	0-10	200	4800	2010	3050	13900
DP-EP-130/5000	1300	5100	4500	550	250	540	4×24.1	2.8	600	200	200	0-10	200	5800	2010	3050	17000
DP-EP-130/6000	1300	6100	5500	550	250	540	4×24.1	2.8	600	200	200	0-10	200	6800	2010	3120	19300
DP-EP-160/2500	1600	2500	2000	400	250	525	4×24.1	2.8	600	200	150	0-10	150	3000	1860	3150	11800
DP-EP-160/3200	1600	3200	2700	400	250	525	4×24.1	2.8	600	200	150	0-10	150	3900	2000	3150	13200
DP-EP-160/4000	1600	4000	3500	400	250	525	4×24.1	2.8	600	200	150	0-10	150	4800	2000	3150	15500
DP-EP-160/5000	1600	5100	4500	400	250	525	4×24.1	2.8	600	200	150	0-10	150	5800	2010	3200	19000
DP-EP-160/6000	1600	6100	5500	400	250	525	4×24.1	2.8	600	200	150	0-10	150	6800	2010	3250	21000

*The displayed parameters are for reference only, the actual parameter information is subject to the actual product

Machine Advantages

Energy Conservation

- One month's electricity consumption is 1/4 of that of a regular hydraulic bending machine.

Environmental Protection

- No hydraulic oil is used, so there is no oil leakage, which makes the workshop clean, tidy, and environmentally friendly.

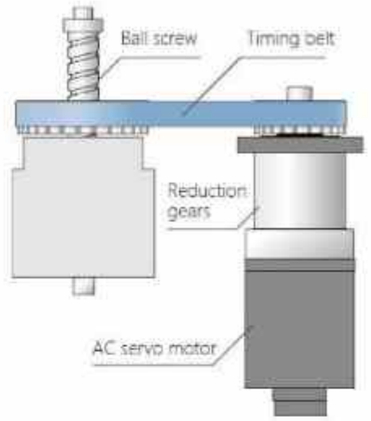
Accurate

- By using a servo motor and high-precision screw to rotate, the slider moves up and down, allowing for long-term positioning while maintaining precision.

High Efficiency

- By using servo motors and screw control, the efficiency of the entire cycle is doubled compared to hydraulic bending machines.

Ball Screw Drive Mechanism



- High-speed movement by the ball screw drive
- Stable high repeating accuracy by the ball screw drive
- Environmental performance
(oil less and noise reduction by the reducer)
- More strokes per hour than competitive machines
- Fastest ram response time in its class (2.1sec)

Servo Motor

- Using servo motor as the main power source of hydraulic pump can save about 40% energy
- The overall efficiency of the slider increases by about 7-20%
- Oil temperature can be reduced by about 10-20 ℃

Time cycle comparison

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

100t Hydraulic
75 mm/s

100t Hydraulic Servo
110 mm/s

EP-Servo
200 mm/s

GROUPS ATC // THE BEST INDUSTRIAL EQUIPMENT

Feature.

The bending machine frame is integrally processed by a large floor boring and milling machine.

The forged material shaft body has good rigidity and elasticity, and has a fine adjustment device, which is weak against the partial load.

The user can customize the mold segments 10, 15, 20, 30, 50, 100, 300 (cm).

Use ESTUN or DELEM brand CNC system for users to choose.

In the system, the plate thickness and length parameters are input, and the system will automatically perform deflection compensation.

It adopts ball screw and linear guide, which is driven by servo motor, and the back gauge is positioned quickly and accurately.

The height of the finger is designed from the overall adjustment, and the height of the finger can be adjusted manually.

Improve the replacement mold speed and improve work efficiency.

Torque Synchronous Control System

Adopt steel torsion bar synchronization system, the structure is very simple, but the accuracy is very high. At the two ends of the ram, there are two synchronizing devices so that the ram movement is always parallel to the worktable. This structure highlights the effect of balancing motion during operation.

ESTUN E21

Positioning control of back gauge
Intelligent positioning control
Unilateral and bidirectional positioning which eliminates spindel clerance effectively
Retract functions
Automatic reference seraching
One-key parameter backup and restore
Fast position indexing
40 programs storage space, each program has 25 step
Power-off protechtion

ESTUN E310P

4 axes are supported, viz, X-axis, Y-axis, R-axis and C-axis
The back gauge can be controlled in a high-accuracy since the servo systems control X-axis and R-axis
Automatic calculation of the block position, according to the bending angle, material, thickness and mold parameters.
The back gauge can be controlled in a high-accuracy since the servo systems control X-axis and R-axis
Optional hydraulic or mechanical to control the C-axis.
Program in absolute value or angle.
Materials and die informations are programable.
Language setting and unit setting

DELEM DA41T/42T

Panel based housing
Bright LCD screen
Beam stop control (Y)
Backgauge control (X)
Retract functionality
Manual movement of all axes
Backgauge control (R) (DA-42T)
Crowning function (DA-42T)
Pressure control (DA 42T)

Type	30T/1600	35T/2000	40T/2200	40T/2500	50T/2500	63T/2500	63T/3200	80T/2500	80T/3200	80T/4000	100T/2500	100T/3200	100T/4000	125T/3200	125T/4000
Nominal Force(kN)	300	350	400	400	500	630	630	800	800	800	1000	1000	1000	1250	1250
Worktable Length(mm)	1600	2000	2200	2500	2500	2500	3200	2500	3200	4000	2500	3200	4000	3200	4000
Poles Distance(mm)	1280	1480	1850	1850	1850	1900	2500	1900	2500	3000	1900	2500	3000	2500	3000
Throat Depth(mm)	200	200	250	250	250	250	250	300	320	320	320	320	320	320	320
Stroke(mm)	80	80	100	100	100	120	120	120	120	120	160	160	160	160	160
Max Open Height(mm)	285	285	320	320	320	320	320	320	350	350	320	370	370	370	370
Power(kW)	3	4	5.5	5.5	5.5	5.5	5.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Weight (KGS)	1350	1600	2750	3000	3400	4000	4800	3700	6020	7000	6000	6800	8400	7200	8900
Dimension L*W*H(mm)	1600x1000 x1800	2000x1100 x1900	2200x1200 x1910	2500x1200 x1910	2500x1200 x2000	2500x1300 x2210	3200x1300 x2210	2500x1400 x2300	3200x1500 x2300	4000x1500 x2400	2500x1600 x2400	3200x1600 x2600	4000x1600 x2700	3200x1600 x2600	4000x1600 x2700

Type	160T/3200	160T/4000	160T/5000	160T/6000	200T/3200	200T/4000	200T/5000	200T/6000	250T/3200	250T/4000	250T/5000	250T/6000	300T/3200	300T/4000	300T/5000	300T/6000
Nominal Force(kN)	1600	1600	1600	1600	2000	2000	2000	2000	2500	2500	2500	2500	3000	3000	3000	3000
Worktable Length(mm)	3200	4000	5000	6000	3200	4000	5000	6000	3200	4000	5000	6000	3200	4000	5000	6000
Poles Distance(mm)	2500	3000	4000	4840	2500	3000	4000	5000	2500	3000	4000	5000	2600	3200	5800	4530
Throat Depth(mm)	320	320	320	320	320	320	320	320	400	400	400	400	400	400	400	400
Stroke(mm)	200	200	200	200	200	200	200	200	250	250	250	250	250	250	250	250
Max Open Height(mm)	460	460	460	460	460	460	460	460	590	590	590	590	590	590	590	590
Power(kW)	11	11	11	11	11	11	11	11	18.5	18.5	18.5	18.5	22	22	22	22
Weight (KGS)	10500	11500	14000	19500	10250	13600	14500	21000	19000	20200	21500	27500	20500	22500	25000	30000
Dimension L*W*H(mm)	3200x1700 x2700	4000x1700 x2800	5000x1900 x3100	6000x1900 x3300	3200x1950 x2800	4000x1950 x2800	5000x1950 x3000	6000x1950 x3300	3200x2000 x3300	4000x2000 x3400	5000x2000 x3400	6100x2230 x3400	3200x2000 x3450	4000x2000 x3450	5000x2000 x3450	6000x2000 x3450

*Above data is only for reference,to prevail in kind

Feature.

Adopt advanced servo control system to achieve precise control of the bending process.

High-speed, high-precision servo drive ensures consistency and accuracy every time you bend.

Increased throat depth, stroke, and daylight for enhanced performance.

Experience a stronger and faster machine with reduced operational noise through innovative design.

Efficient tooling change and alignment for quicker operations.

Lower production costs for improved cost-effectiveness.

Utilize components sourced from globally recognized and reliable brands.

Simplify maintenance and repair processes for user convenience.

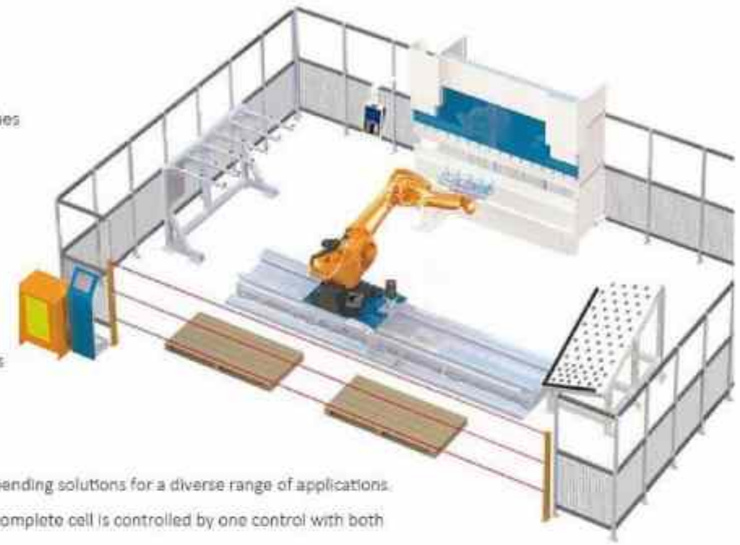
GROUPS ATC // THE BEST INDUSTRIAL EQUIPMENT

Tandem Servo CNC Press Brake

Standard Equipement

- CNC DELEM DA66T with 2D colour graphics
- Durmapress BGA-4 for X=600mm X,R,Z1,Z2-Axis
- Durmapress Hybrid Servo ECO Function
- Tool kit: 4 V die (V=16-22-35-50) series of 835mm punches with a fractioned one
- Durmapress Pro CNC wave crowning system
- GIVI optical scales
- Lazersafe Systems LZS-XL Laser with tandem solution
- Hoerbiger (HAWE) hydraulic system
- High efficiency motor – class IE3
- DELEM® Profile TL Offline Software
- Electrical cabinet with Schneider & Siemens components

Robot Bending Standardized cells



Durmapress offers standard as well as customised robot bending solutions for a diverse range of applications.

Being a pioneer in this field, we offer systems where the complete cell is controlled by one control with both

in-house hardware and software technology.

Our standard robot bending cells feature press brake specifications from 35" x 24 Ton up to 157" x 220 Ton and part

specifications from 11,8" x 11,8" x 6,5 kgs up to 140" x 15" x 150 lbs.

Customised systems can be offered for press brake and part specifications well outside the standard ones.

Depending on the characteristics of the application, the robot is selected from reputed manufacturers such as Yaskawa, Stäubli, Fanuc and others.

Robot supported bending has become cost effective even for small and medium size batches as CAM and Simulation Software have become very powerful and user-friendly, reducing considerably programming and set-up times and offering full off-line automatic work preparation avoiding standstill of the bendingcell.

Automatic Panel Bender

Type	Unit	PBE-1200	PBE-1500	PBE-2500
Bending Length	mm	1200	1500	2500
Plate Length	mm	1250	1600	2600
Plate Width	mm	1000	1250	1600
Bending Height	mm	150	170/300	180/300
Min Forming Size (Four sides)	mm	100x100	150x100	200x400
Min Forming Size (One side)	mm	120	160	280
Min Radius	mm	1.2	1.2	1.2
Bending Speed	s	0.3 per stroke	0.3 per stroke	0.3 per stroke
Opening Height	mm	120	170	180
Angle	°	0°360°	0°360°	0°360°
Material Thickness	mm	Aluminum: 2.0	Aluminum: 3.0	Aluminum: 3.0
Mild Steel	mm	1.5	2	1.5
Stainless Steel	mm	0.8	1	1.5
Numerical System		Star500-LGx	Star500-LGx	Star500-LGx
Operating System	OS	Win7 + OS + Press Arm	Win7 + OS + Press Arm	Win7 + OS + Press Arm
Axis	axis	13 (15&18 optional)	13 (15&18 optional)	13 (15&18 optional)
Machine Dimension (LxWxH)	mm	3800x1730x2200	3700x1600x2500	3700x3000x2800
Machine Weight	kg	6500	10500	21000

GROUPS ATC // THE BEST INDUSTRIAL EQUIPMENT

Machine Components

Part Name	Manufacture
Machine Frame	Durmapress-Steel plate welding, whole machine tempering
Mold Clamping	42CrMo-52HRC
Control System	NLXER
Servo Motor	VEICHI
Servo Driver	VEICHI
Guide Rail	SHAC
Ball Screw	TBI
Miniature Relay	Schneider
AC Contactor	Schneider
Button	Schneider
Electrical Components	Schneider
Reducer	3F FAMED

Feature.

The multilateral bending center does not need to change the mold, the working stroke is short, and the feed is fast.

Comprehensive efficiency is 3 to 4 times that of manual bending machine.

According to the bending process, it can be automatically folded up and down, so as to realize the bending of arcs, dead edges, and various angles.

Highly intelligent operation control system, which can efficiently bend different workpieces.

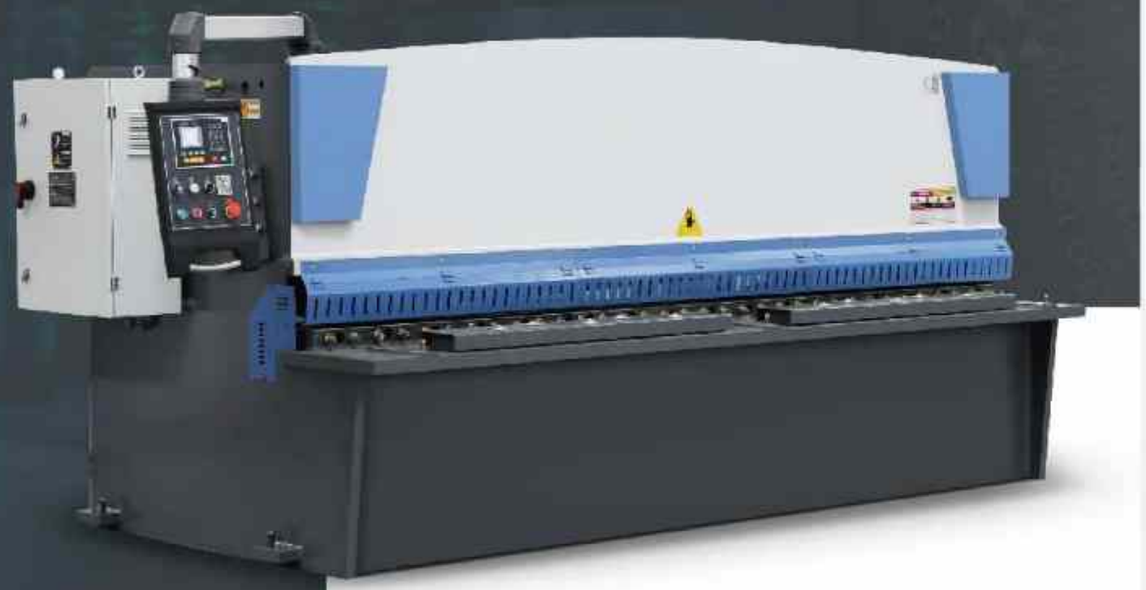
Energy saving and consumption reduction, reducing labor and mold costs.

Casting Body

The core frame of the equipment adopts high grade QT500-7 and HT300 castings.

The frame is subjected to precise finite element force analysis and adopts implicit triangular interconnection design, which greatly ensures the stability of high tonnage impact force.

QC12K Series



High Precision

2 Years Guarantee

Hydraulic Swing Beam Shearing Machine

Feature.

The host adopts the QC12Y series model, with the economical special numerical control system;

The post - block position is displayed in real time;

Multi-step programming function, after the automatic operation and continuous positioning of the material, the automatic accurate adjustment of the post - block position;

The shearing count function shows the shear number in real time;

The rear block adopts the inlet ball screw to ensure the positioning accuracy of the rear retaining material, and the machining precision is higher.

East Cutting

Vertical cut machines consist in a system which the blade holder is supported on bearing along its entire length.

This system enables the user to change the corresponding angle as a function of plate thickness, performance unavailable when using swing beam cut machines provided with fixed angle.

Durmapress shears are a certainty of dimensionally accurate cuts with no burr, no helix, no bow and no twisting in any thickness and in any type of plate. The design is based on the vertical cutting principle with angle variation and a robust structure in which the blade beam is supported on adjustable bearings along its entire length. This technology, developed over decades of experience, allows to adjust the best suited cutting angle according to the characteristics of the plate and therefore the cut is smooth and balanced throughout its length.

Control System

E21S(ESTUN)

Backgauge control
Control ordinary motors or inverters
Intelligent positioning
Dual programmable digital output
Workpiece count
Unilateral positioning
Yield function
One-key backup and restore of parameters
40 program storage, each program has 25 steps
Metric system

DAC310T(DELEM)

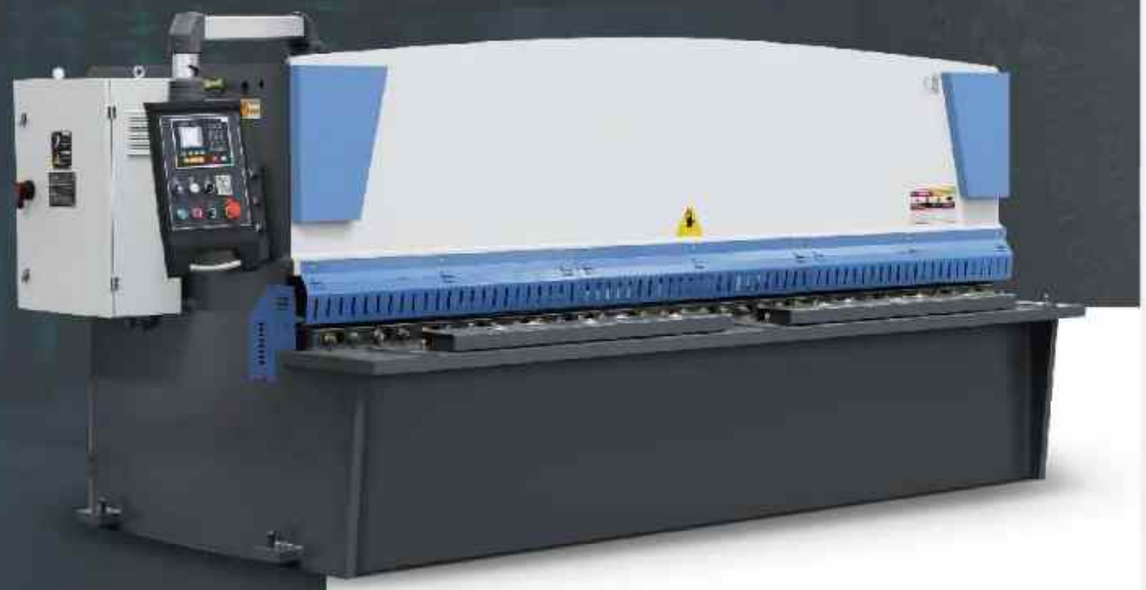
Panel based housing
Bright LCD screen
Back gauge control
Retract function
Cutting angle or gap control
Stroke length limitation
Manual movement of axes
Stock count

Name		unit	4x1500	4x1600	4x2500	4x3200	4x4000	4x6000	6x2500	6x3200	6x4000	6x6000
Max. Cutting Thickness		mm	4	4	4	4	4	4	6	6	6	6
Max.Cutting Length		mm	1500	1600	2500	3200	4000	6000	2500	3200	4000	6000
Strength of sheared plate		N/mm²	450	450	450	450	450	450	450	450	450	450
Cutting Angle			1°30	1°30	1°30	1°30	1°30	1°30	1°30	1°30	1°30	1°30
Number of strokes		min/min	44483	44483	8-14	8-14	8-14	8-14	8-14	8-12	10	14
Length of Cutter Blade(A)		mm	1600	1600	2600	3300	4100	6100	2600	3300	4010	6240
Height of working table above the ground(E)		mm	800	800	800	800	800	800	10-700	10-700	10-700	10-700
Backgauge Range of X Axis		mm	550	550	550	550	550	550	550	550	550	550
Main Motor	Type		Y132S-4/(B35)	Y132S-4/(B35)	Y132S-4/(B35)	Y132S-4/(B35)	Y132S-4/(B35)	Y132S-4/(B35)	Y132M-4/(B35)	Y132M-4/(B35)	Y132M-4/(B35)	Y132M-4/(B35)
	Power	kw	5.5	5.5	5.5	5.5	5.5	5.5	7.5	7.5	7.5	7.5
	Rotate Speed	R/min	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440
Gear Pump	Type		CP0-10-10R	CP0-10-10R	CP0-10-10R	CP0-10-10R	CP0-10-10R	CP0-10-10R	CP1-25-10R	CP1-25-10R	CP1-25-10R	CP1-25-10R
	Nominal Flow	L/min	10	10	10	10	10	10	25	25	25	25
	Nominal Pressure	Mpa	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
Back-gauge Motor	Type		YS7134	YS7134	YS7134	YS7134	YS7134	YS7134	YS-7134	YS-7134	YS-7134	YS-7134
	Power	kw	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
	Rotate Speed	R/min	1400	1400	1400	1400	1400	1400	1440	1440	1440	1440
Dimensions L x W x H		mm	2320x1420x1500	2320x1420x1500	3830x1520x1850	3588x1610x1900	4630x1850x1700	6630x1850x1700	3030x1700x1020	3730x1700x1020	4800x1850x1700	6430x2150x1800
Machine Weight		kg	2800	2800	5000	4800	6600	8400	4600	5600	7600	14500

Name		unit	8x2500	8x3200	8x4000	8x6000	10x2500	10x3200	10x4000
Max. Cutting Thickness		mm	8	8	8	8	10	10	10
Max.Cutting Length		mm	2500	3200	4000	6000	2500	3200	4000
Strength of sheared plate		N/mm²	450	450	450	450	450	450	450
Cutting Angle			1°30	1°30	1°30	1°30	1°40	1°40	1°40
Number of strokes		min/min	14	14	14	10	14	14	14
Length of Cutter Blade(A)		mm	2600	3300	4100	6100	2600	3300	4100
Height of working table above the ground(E)		mm	700	700	700	700	700	700	700
Backgauge Range of X Axis		mm	550	550	550	550	550	550	550
Main Motor	Type		132M-4/(B35)	132M-4/(B35)	132M-4/(B35)	132M-4/(B35)	Y180M-4/(B35)	Y180M-4/(B35)	Y180M-4/(B35)
	Power	kw	7.5	7.5	7.5	7.5	11	11	11
	Rotate Speed	R/min	1440	1440	1440	1440	1440	1440	1440
Gear Pump	Type		NB2-G25F	NB2-G25F	NB2-G25F	NB2-G25F	CP1-32-P-10R	CP1-32-P-10R	CP1-32-P-10R
	Nominal Flow	L/min	25	25	25	25	32	32	32
	Nominal Pressure	Mpa	31.5	31.5	31.5	31.5	31.5	31.5	31.5
Back-gauge Motor	Type		YS-7134	YS-7134	YS-7134	YS-7134	YS-7134	YS-7134	YS-7134
	Power	kw	0.55	0.55	0.55	0.55	0.55	0.55	0.55
	Rotate Speed	R/min	1440	1440	1440	1440	1440	1440	1440
Dimensions L x W x H		mm	3050x1700x1020	3730x1700x1020	4530x1700x1020	6630x1850x1700	2830x1950x1850	3630x1950x1850	4630x1950x1850
Machine Weight		kg	5000	6300	8200	19000	7100	7800	9200

*Above data is only for reference,to prevail in kind

QC12K Series



High Precision

2 Years Guarantee

Hydraulic Swing Beam Shearing Machine

Feature.

The host adopts the QC12Y series model, with the economical special numerical control system;

The post - block position is displayed in real time;

Multi-step programming function, after the automatic operation and continuous positioning of the material, the automatic accurate adjustment of the post - block position;

The shearing count function shows the shear number in real time;

The rear block adopts the inlet ball screw to ensure the positioning accuracy of the rear retaining material, and the machining precision is higher.

East Cutting

Vertical cut machines consist in a system which the blade holder is supported on bearing along its entire length.

This system enables the user to change the corresponding angle as a function of plate thickness, performance unavailable when using swing beam cut machines provided with fixed angle.

Durmapress shears are a certainty of dimensionally accurate cuts with no burr, no helix, no bow and no twisting in any thickness and in any type of plate. The design is based on the vertical cutting principle with angle variation and a robust structure in which the blade beam is supported on adjustable bearings along its entire length. This technology, developed over decades of experience, allows to adjust the best suited cutting angle according to the characteristics of the plate and therefore the cut is smooth and balanced throughout its length.

Control System

E21S(ESTUN)

Backgauge control
Control ordinary motors or inverters
Intelligent positioning
Dual programmable digital output
Workpiece count
Unilateral positioning
Yield function
One-key backup and restore of parameters
40 program storage, each program has 25 steps
Metric system

DAC310T(DELEM)

Panel based housing
Bright LCD screen
Back gauge control
Retract function
Cutting angle or gap control
Stroke length limitation
Manual movement of axes
Stock count

Name		unit	4x1500	4x1600	4x2500	4x3200	4x4000	4x6000	6x2500	6x3200	6x4000	6x6000
Max. Cutting Thickness		mm	4	4	4	4	4	4	6	6	6	6
Max.Cutting Length		mm	1500	1600	2500	3200	4000	6000	2500	3200	4000	6000
Strength of sheared plate		N/mm²	450	450	450	450	450	450	450	450	450	450
Cutting Angle			1°30	1°30	1°30	1°30	1°30	1°30	1°30	1°30	1°30	1°30
Number of strokes		min/min	44483	44483	8-14	8-14	8-14	8-14	8-14	8-12	10	14
Length of Cutter Blade(A)		mm	1600	1600	2600	3300	4100	6100	2600	3300	4010	6240
Height of working table above the ground(E)		mm	800	800	800	800	800	800	10-700	10-700	10-700	10-700
Backgauge Range of X Axis		mm	550	550	550	550	550	550	550	550	550	550
Main Motor	Type		Y132S-4/(B35)	Y132S-4/(B35)	Y132S-4/(B35)	Y132S-4/(B35)	Y132S-4/(B35)	Y132S-4/(B35)	Y132M-4/(B35)	Y132M-4/(B35)	Y132M-4/(B35)	Y132M-4/(B35)
	Power	kw	5.5	5.5	5.5	5.5	5.5	5.5	7.5	7.5	7.5	7.5
	Rotate Speed	R/min	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440
Gear Pump	Type		CP0-10-10R	CP0-10-10R	CP0-10-10R	CP0-10-10R	CP0-10-10R	CP0-10-10R	CP1-25-10R	CP1-25-10R	CP1-25-10R	CP1-25-10R
	Nominal Flow	L/min	10	10	10	10	10	10	25	25	25	25
	Nominal Pressure	Mpa	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
Back-gauge Motor	Type		YS7134	YS7134	YS7134	YS7134	YS7134	YS7134	YS-7134	YS-7134	YS-7134	YS-7134
	Power	kw	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
	Rotate Speed	R/min	1400	1400	1400	1400	1400	1400	1440	1440	1440	1440
Dimensions L x W x H		mm	2320x1420x1500	2320x1420x1500	3830x1520x1850	3588x1610x1900	4630x1850x1700	6630x1850x1700	3030x1700x1020	3730x1700x1020	4800x1850x1700	6430x2150x1800
Machine Weight		kg	2800	2800	5000	4800	6600	8400	4600	5600	7600	14500

Name		unit	8x2500	8x3200	8x4000	8x6000	10x2500	10x3200	10x4000
Max. Cutting Thickness		mm	8	8	8	8	10	10	10
Max.Cutting Length		mm	2500	3200	4000	6000	2500	3200	4000
Strength of sheared plate		N/mm²	450	450	450	450	450	450	450
Cutting Angle			1°30	1°30	1°30	1°30	1°40	1°40	1°40
Number of strokes		min/min	14	14	14	10	14	14	14
Length of Cutter Blade(A)		mm	2600	3300	4100	6100	2600	3300	4100
Height of working table above the ground(E)		mm	700	700	700	700	700	700	700
Backgauge Range of X Axis		mm	550	550	550	550	550	550	550
Main Motor	Type		132M-4/(B35)	132M-4/(B35)	132M-4/(B35)	132M-4/(B35)	Y180M-4/(B35)	Y180M-4/(B35)	Y180M-4/(B35)
	Power	kw	7.5	7.5	7.5	7.5	11	11	11
	Rotate Speed	R/min	1440	1440	1440	1440	1440	1440	1440
Gear Pump	Type		NB2-G25F	NB2-G25F	NB2-G25F	NB2-G25F	CP1-32-P-10R	CP1-32-P-10R	CP1-32-P-10R
	Nominal Flow	L/min	25	25	25	25	32	32	32
	Nominal Pressure	Mpa	31.5	31.5	31.5	31.5	31.5	31.5	31.5
Back-gauge Motor	Type		YS-7134	YS-7134	YS-7134	YS-7134	YS-7134	YS-7134	YS-7134
	Power	kw	0.55	0.55	0.55	0.55	0.55	0.55	0.55
	Rotate Speed	R/min	1440	1440	1440	1440	1440	1440	1440
Dimensions L x W x H		mm	3050x1700x1020	3730x1700x1020	4530x1700x1020	6630x1850x1700	2830x1950x1850	3630x1950x1850	4630x1950x1850
Machine Weight		kg	5000	6300	8200	19000	7100	7800	9200

*Above data is only for reference,to prevail in kind

QC11K Series

High Precision

2 Years Guarantee

Hydraulic Guillotine Shearing Machine

Feature.

The rolling guide structure is supported by three points;

The shear Angle of the tool holder can be adjusted in the range;

Shear travel can be adjusted arbitrarily;

Manual lifting of the retaining function;

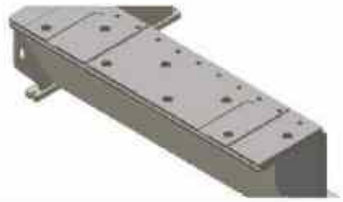
The inside of the wallboard is equipped with a lubricating oil pump;

The standard E21S numerical control system controls the cut count and the post-block;

A variety of numerical control systems such as DAC360 can be selected.

Ultra-heavy Frame Structure

The maximum rigidity of the unique design, combined with the massive table design, ensures constant blade clearance during the shearing cycle. Blade clearances as low as .002" can be maintained through the entire cut, producing quality shearing on light gauge material. A machined table surface provides a generous, flat work area, and features finger wells to aid in lifting sheets.



Optional System

E21S(ESTUN)

Backgauge control
Control ordinary motors or inverters
Intelligent positioning
Dual programmable digital output
Workpiece count
40 program storage, each program has 25 steps
Unilateral positioning
Yield function
One-key backup and restore of parameters
Metric system

Pneumatic Supportor

When cutting the sheet material, the steel plate is supported horizontally to improve the precision of cutting the steel plate and facilitate the sliding out of the cut sheet material.

Auto Feeder

Feeding the metal sheet automaticallycontrolled by CNC controller with highprecision and efficiency.

DAC360T(DELEM)

Panel based housing;Bright LCD screen;
Back / front gauge control;Retract function;
Cutting angle and gap control;Stroke length limitation;
Manual movement of all axes;Force control;
Sheet thickness measurement;
Return to Sender function;
Sheet support

Name		unit	6x3200	6x4000	8x2500	8x3200	8x4000	8x6000	12x2500
Max. Cutting Thickness		mm	6	6	8	8	8	8	12
Max.cutting Length		mm	3200	4000	2500	3200	4000	6000	2500
Strength of sheared plate		N/mm²	450	450	450	450	450	450	450
Cutting Angle			0.5°±2.5	0.5°±2.5	0.5°±2.5	0.5°±2.5	0.5°±2.5	0.5°±2.5	0.5°±2.5
Number of Strokes		Hit/min	6/12	6/12	6/12	6/12	6/12	5/8	6/10
Length of Cutter Blade(A)		mm	3300	4100	2600	3300	3300	6150	2600
Height of working table above foground(C)		mm	10-750	10-750	10-700	10-700	10-750	10-750	10-750
Backgauge Range of X Axis		mm	10~800	10~800	10~800	10~800	10~800	10~800	10~800
Main Motor	Type		Y132S-4/(B35)	Y132S-4/(B35)	Y132S-4/(B35)	Y132S-4/(B35)	Y132S-4/(B35)	Y132S-4/(B35)	Y180M-4/(B35)
	Power	kw	7.5	7.5	7.5	7.5	11	18.5	18.5
	Rotate Speed	R/min	1440	1440	1400	1400	1400	1400	1400
Gear Pump	Type		NB23-625F/CP1-25-P-10R	NB23-625F/CP1-25-P-10R	NB23-625F/CP1-25-P-10R	NB23-625F/CP1-25-P-10R	NB23-625F/CP1-25-P-10R	NB23-625F/CP1-25-P-10R	NB24-640F/CP1-40-P-10R
	Nominal Flow	ml/r	25	25	25	25	25	40	40
	Nominal Pressure	Mpa	31.5	31.5	31.5	31.5	31.5	31.5	31.5
Back-gauge motor	Type		YS-7134	YS-7134	YS-7134	YS-7134	YS-7134	YS-7134	YS-7134
	Power	KW	0.55	0.55	0.55	0.55	0.55	0.55	0.55
	Rotate Speed	R/min	1400	1400	1400	1400	1400	1400	1400
Dimensions L.W.H		mm	3700x1800x2000	4500x1900x2100	3000x1800x2100	3800x1800x2100	4500x1900x2100	6500x2150x2500	3100x1900x2300
Power Requirement			380V (-15%~+15%) 50Hz ,3PH						

12x3200	12x4000	12x6000	16x2500	16x3200	16x4000	16x6000	20x3200	20x6000
12	12	12	16	16	16	16	20	20
3200	4000	6000	2500	3200	4000	6000	3200	6000
450	450	450	450	450	450	450	450	450
0.5°±2.5	0.5°±2.5	0.5°±2.5	0.5°±2.5	0.5°±2.0	0.5°±2.0	0.5°±2.5	0.5°±2.5	0.5°±2.5
6/10	6/10	6/10	8/12	6/10	8/12	4/8	5/8	5/8
3100	4100	6150	2600	3300	4500	6150	6150	6150
10-750	10-750	10-750	10-750	10-750	10-750	10-750	10-750	10-750
10~800	10~800	10~800	10~800	10~800	10~800	10~800	10~800	10~800
Y180M-4/(B35)	Y180M-4/(B35)	Y180M-4/(B35)	Y180M-4/(B35)	Y200L-4/(B35)	Y180L-4/(B35)	Y180L-4/(B35)	Y180L-4/(B35)	Y225M-4/(B35)
18.5	18.5	22	22	30	22	22	30	45
1400	1400	1400	1400	1400	1440	1440	1440	1440
NB24-640F/CP1-40-P-10R	NB24-640F/CP1-40-P-10R	NB24-640F/CP1-40-P-10R	NB24-640F/CP1-40-P-10R	NB24-650F/CP1-50-P-10R	NB24-650F/CP1-50-P-10R	NB24-650F/CP1-50-P-10R	NB24-650F/CP1-50-P-10R	NB25-080F/CP1-80-P-10R
40	40	63	40	63	50	63	63	80
31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
YS-7134	YS-7134	YS-7134	YS-7134	YS-7134	YS-7134	YS-7134	YS-7134	YS-7134
0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.75
1400	1400	1400	1400	1400	1400	1400	1400	1400
3800x1900x2100	4500x1900x2300	6800x2200x2500	3100x2000x2500	3900x2000x2500	4600x2000x2400	6800x2500x2800	3900x2000x2500	6800x2550x2950
380V (-15%~+15%) 50Hz ,3PH								

BS-D Series

Ultra-high speed
Ultra-high precision

2 Years Guarantee

25% SPEED | 30% PRECISION | 35% STRENGTH | 40% FAILURE

*The above data is based on the comparison of the previous generation of products provided by the Han's Laser Cutting Research Lab

Open-Type Double-Drive
Fiber Laser Cutting Machine

Type	BS3015D	BS4020D	BS6020D	BS6025D
Machining area (Length *width)	3000*1500mm	4000*2000mm	6000*2000mm	6000*2500mm
X-axis stroke	1525mm	4020mm	2020mm	6020mm
Y-axis stroke	3005mm	2020mm	250mm	2520mm
Z-axis stroke	150mm	150mm	150mm	150mm
Positioning precision of X/Y axis	±0.02mm/m	±0.03mm/m	±0.03mm/m	±0.03mm/m
Repetitive positioning precision of X/Y axis	±0.02mm	±0.02mm	±0.02mm	±0.02mm
Maximum speed	140m/min	100m/min	120m/min	100m/min
Maximum Acceleration speed	1.5G	1.5G	1.5G	1.5G
Tool weight	5500KGS	6500KGS	7500KGS	7900KGS
Maximum load of workbench	1000KGS	1500KGS	1800KGS	2000KGS
Laser Power	1000W/1500W/2000W			
Dimension (Length * Width* Height)	4500*2350*2000mm	8100*3500*1600mm	8200*3200*2000mm	8100*4200*1600mm
Number of Phases	3	3	3	3
Rated voltage of power source	380V	380V	380V	380V
Frequency	50HZ	50HZ	50HZ	50HZ
Protection rating of main power	IP54	IP54	IP54	IP54

*Above data is only for reference,to prevail in kind

GROUPS ATC / THE BEST INDUSTRIAL EQUIPMENT

Feature.

It is a professional machine design, novel appearance and many patented technologies. It has the advantages of high speed, small slit, smooth section, easy operation, low energy consumption , suitable for continuous processing in large quantities, and highlighting cutting competitive advantages.

Machine Equipment

Standard Equipment

- Very easy to operate.
- Quick and easy installation.
- Low investment and operating costs.
- The most cost-efficient solution for every requirement.
- Flexible beam path
- High output power
- High optical quality
- Up to 300% faster cutting
- High wall plug efficiency (>%30)
- Copper, brass cutting ability
- High performance and high accuracy rack and pinion system.

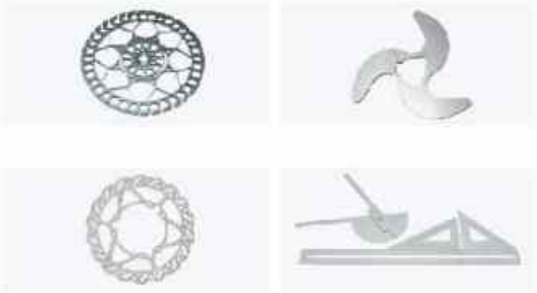
Optional Equipment

- HYPCUT Touch FSCUT8000 TwinCAT CNC System
- Shuttle Table and Clean Room
- Table size 2000x4000mm
- Pipe cutting system(220mm / 3000mm)
- Cutting Head from PRECITEC- Manual(500w-1500w)
- USA IPG
- Raycus Fiber Laser Power(500w-2kw)

Brand Laser Cutting Head

Suitable for all kinds of high power laser cutting machine.Modular design, high precision, easy to maintain.Focus collimator adjustment method, longer life

Sample



Industrial Applications

Elevator Industry

BS-H Series

Ultra-high speed
Ultra-high precision

2 Years Guarantee

25% SPEED | 30% PRECISION | 30% STRENGTH | 40% FAILURE

*The above data is based on the same type of the previous generation of products, provided by Raytools Fiber Cutting Research Lab

Exchange Worktable
Fiber Laser Cutting Machine

Type	BS3015H	BS4020H	BS6020H	BS6025H	BS8020H
Machining area (Length *width)	3000*1500mm	4000*2000mm	6000*2000mm	6000*2500mm	8000*2000mm
X-axis stroke	1525mm	4020mm	6050mm	6050mm	8020mm
Y-axis stroke	3005mm	2020mm	2050mm	2550mm	2020mm
Z-axis stroke	150mm	120mm	350mm	350mm	150mm
Positioning precision of X/Y axis	±0.02mm/m	±0.03mm/m	±0.03mm/m	±0.03mm/m	±0.03mm/m
Repetitive positioning precision of X/Y axis	±0.02mm	±0.02mm	±0.02mm	±0.02mm	±0.02mm
Maximum speed	140m/min	120m/min	140m/min	140m/min	100m/min
Maximum Acceleration speed	1.5G	1.5G	1.5G	1.5G	1.5G
Tool weight	8500KGS	3500KGS	12000KGS	12000KGS	8000KGS
Maximum load of workbench	1000KGS	2000KGS	3000KGS	3000KGS	2000KGS
Laser Power	1000W/1500W/2000W/3000W/4000W/6000W/8000W				
Dimension (Length * Width* Height)	9800*2350*2000mm	10100*3600*2400mm	15400*4500*2600mm	15400*4500*2600mm	10400*3600*2300mm
Number of Phases	3	3	3	3	3
Rated voltage of power source	380V	380V	380V	380V	380V
Frequency	50HZ	50HZ	50HZ	50HZ	50HZ
Protection rating of main power	IP54	IP54	IP54	IP54	IP54

*Above data is only for reference,to prevail in kind

GROUPS ATC // THE BEST INDUSTRIAL EQUIPMENT

Feature.

The new closed design, double table fast exchange, while processing edge cutting, fast, small slit, smooth section, easy operation, low energy consumption, suitable for large quantities of continuous processing, highlighting cutting competitive advantage.

Machine Equipment

Standard Equipment

- 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
- Raytools Auto Cutting Head
- Interlock closing system
- Class 1 laser safety windows
- Compact dust extractor

Optional Equipment

- 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

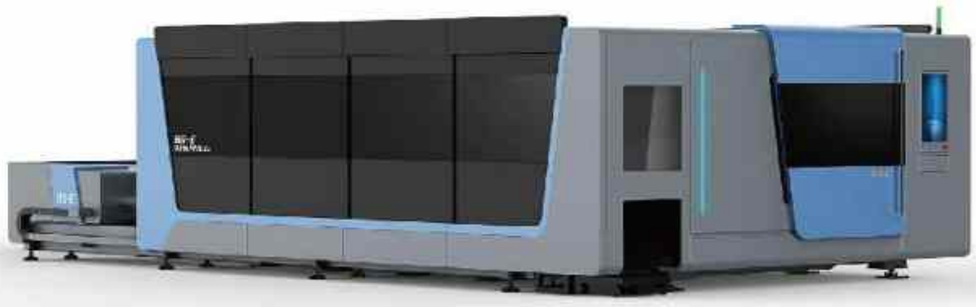
Hollow Mono-block Bed Structure

Maximally reduce risks of heat deformation of highpower and meet the requirements of ultra-high poweruse above 30KW

Hydraulic Lifting And Switching Table

Hydraulic lifting system makes every loading safe and stable

Sample



BS-G Series

Ultra-high speed
Ultra-high precision

2 Years Guarantee

25% SPEED | 20% PRECISION | 30% STRENGTH | 30% FAILURE

*The above data is based on the average rate of the service guarantee of products provided by the Han's Precise Cutting Research Lab

Sheet & Tube
Fiber Laser Cutting Machine

Type	BS3015G	BS4020G	BS6020G	BS6025G
Machining area (Length *width)	3000*1500mm	4000*2000mm	6000*2000mm	6000*2500mm
X-axis stroke	1525mm	4020mm	6020mm	6050mm
Y-axis stroke	3005mm	2020mm	2020mm	2550mm
Z-axis stroke	150mm	150mm	150mm	240mm
Positioning precision of X/Y axis	±0.02mm/m	±0.03mm/m	±0.03mm/m	±0.03mm/m
Repetitive positioning precision of X/Y axis	±0.02mm	±0.02mm	±0.02mm	±0.02mm
Maximum speed	140m/min	100m/min	120m/min	140m/min
Maximum Acceleration speed	1.5G	1.5G	1.5G	1.5G
Tool weight	5900KGS	4500KGS	5000KGS	6500KGS
Maximum load of workbench	1000KGS	1500KGS	2000KGS	2000KGS
Laser Power	1000W/1500W/2000W/3000W/4000W/6000W			
Dimension (Length * Width* Height)	4500*2350*2000mm	6100*3500*1600mm	8400*3600*2300mm	8400*4200*2600mm
Number of Phases	3	3	3	3
Rated voltage of power source	380V	380V	380V	380V
Frequency	50HZ	50HZ	50HZ	50HZ
Protection rating of main power	IP54	IP54	IP54	IP54
Tube Diameter & Length	220mm*6000mm length			

*Above data is only for reference,so prevail in kind

GROUPS ATC // THE BEST INDUSTRIAL EQUIPMENT

Feature.

Tube sheet integrated cutting, easy to exchange, can not only cut flat plate, but also meet the needs of users to cut round tube, square tube and forming box.

Machine Equipment

Standard Equipment

- 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
- Raytools Auto Cutting Head
- Interlock closing system
- Class 1 laser safety windows
- Compact dust extractor

Optional Equipment

- 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

Beam: Lightweight with high-tensile metal

The crossbeam is a box-shaped structure of aircraft extrudeda-luminum beam, with the characteristics of light weight andgood dynamic performance.

Sample

Industrial Applications

Metal Fabrication

Steel Structure Industry

BS-E Series

25% SPEED | 20% PRECISION | 30% STRENGTH | 30% FAILURE

*The above data is based on the comparison of the previous generation of products provided by the Fiber Cutting Research Lab

Ultra-high speed
Ultra-high precision

2 Years Guarantee

Exchange Worktable Tube & Sheet

Fiber Laser Cutting Machine

Type	BS3015E	BS4020E	BS6025E
Machining area (Length *width)	3000*1500mm	4000*2000mm	6000*2500mm
X-axis stroke	1525mm	4020mm	6050mm
Y-axis stroke	3005mm	2020mm	2550mm
Z-axis stroke	150mm	120mm	250mm
Positioning precision of X/Y axis	±0.02mm/m	±0.05mm/m	±0.05mm/m
Repetitive positioning precision of X/Y axis	±0.02mm	±0.02mm	±0.02mm
Maximum speed	140m/min	140m/min	120m/min
Maximum Acceleration speed	1.5G	1.5G	1.5G
Tool weight	9800KGS	7500KGS	10000KGS
Maximum load of workbench	1000KGS	2500KGS	7000KGS
Laser Power		2000W/3000/4000W/6000W	
Dimension (Length * Width* Height)	9800*2350*2000	11500mm*3500mm*2500mm	15900*3400*2100mm
Number of Phases	3	3	3
Rated voltage of power source	380V	380V	380V
Frequency	50HZ	50HZ	50HZ
Protection rating of main power	IP54	IP54	IP54
Tube Diameter & Length	220mm*6000mm length	220mm*6000mm length	220mm*6000mm length

*Above data is only for reference to prevail in kind

GROUPS ATC // THE BEST INDUSTRIAL EQUIPMENT

Feature.

Optical fiber laser cutting machine can not only be used as laser pipe cutting machine, but also carries a exchange platform on the basis of the original model of metal laser cutting machine, which greatly improves the efficiency of loading and unloading, and can realize the doubling of enterprise production capacity.

Machine Equipment

Standard Equipment

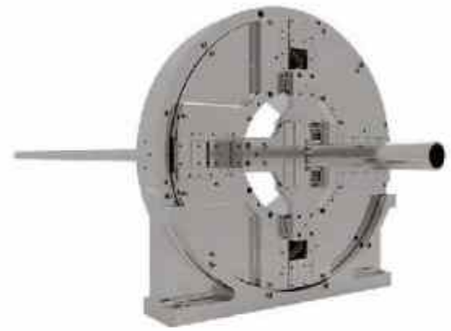
- CypCut Fscut 2000 CNC System
- Reliable laser fiber source from 1 to 6 kw
- Japan Shimpo racks & pinions
- Modern body made of composite material
- Traverse made of steel
- Pallet changer without hydraulics
- Raytools Auto Cutting Head
- Interlock closing system
- Class 1 laser safety windows
- Compact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

Optional Equipment

- 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

Pneumatic Chuck Clamping

Pneumatic chuck clamping design is adopted in the front and back, automatic adjustment of center, simple operation, processing of super large diameter pipe, fast rotation speed of chuck, which can improve the processing efficiency.



Sample

Industrial Applications

Cookware and Home Appliances