



TRIO MACHINERIES
Boost your success with us

High Precision Press Brake & Shearing Machines



**One Stop Solution for
Sheet Metal Industrial Needs**



NC HYDRAULIC PRESS BRAKE MACHINE



CNC/NC HYDRAULIC SHEARING MACHINE

TRIO

PRESS BRAKE AND SHEARING MACHINES

The TRIO Series of Press Brake and Shearing Machines uses the latest technologies to offer high quality, precision, and excellent performance consistently.

They comply with the steadily increasing customer demand on efficiency. The TRIO Series offers you an affordable machine with quality components that are easy to work with and understand.



CNC HYDRAULIC PRESS BRAKE MACHINE

SERVO CNC HYDRAULIC PRESS BRAKE MACHINE



SPECIFICATIONS

MODEL	Normal Force	Bending Length	Poles Distance	Throat/ Depth	Stroke	Max. Opening	Main Power	X-travel	Dimension
	(KN)	(mm)	(mm)	(mm)	(mm)	(mm)	(KW)	(mm)	LxWxH(mm)
63T2500	630	2500	2000	400	150	380	5.5	500	3100x1450x2300
100T3200	1000	3200	2700	400	200	450	7.5	500	3500x1580x2500
100T4000	1000	4000	3500	400	200	450	7.5	500	4500x1600x2500
125T3200	1250	3200	2700	400	200	450	11	500	3500x1580x2500
125T4000	1250	4000	3500	400	200	450	11	500	4500x1700x2800
160T3200	1600	3200	2700	400	200	450	11	500	3500x1650x2600
160T4000	1600	4000	3500	400	200	450	11	500	4500x1700x2800
200T3200	2000	3200	2700	400	200	450	15	500	3500x1680x2700
200T4000	2000	4000	3500	400	200	450	15	500	4500x1700x2800
250T3200	2500	3200	2700	400	200	450	15	500	3500x1700x2760
250T4000	2500	4000	3500	400	200	450	15	500	4500x1800x2800
300T3200	3000	3200	2700	400	300	500	22	500	3500x1800x2900
300T4000	3000	4000	3500	400	300	500	22	500	4500x2100x3000

CONTROLLERS

Delem D53T



Delem D58T



Delem D66T



Cyb Touch 12ps

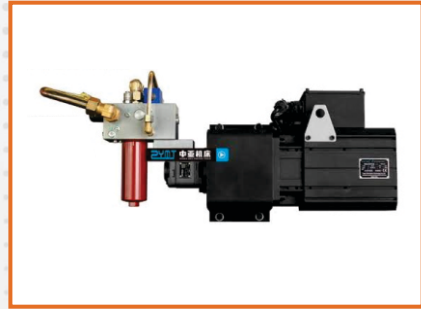


MAIN FEATURES

- Overall welded and processed structure.
- Closed loop control mode composed of electric-hydraulic servo valve and measure ruler.
- Ensures highest control precision and highest levels of press brake accuracy and repositioning accuracy.
- Integrated hydraulic system decreases the pipe connections, oil leakage, and increases the stability and overall beautifies.
- TRIO Backgauge mechanism can be multi-axes controlled.
- Worktable equipped with hydraulic and mechanical compensation to avoid the deformed upper beam from affecting the quality of the work piece, it is automatically adjusted by the CNC controller with convenience and accuracy.
- CNC press brake machine's controller normally uses Holland DELEM, Italy ESA, Swiss CYBELEC, all with multi-languages.

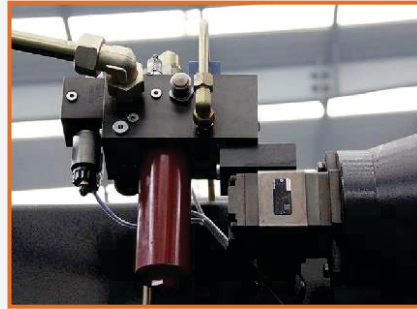
■ STANDARD CONFIGURATION

Main Motor



- Higher productivity & lesser cycle time by High speed beam movements.
- Energy Efficient : Reduce power consumption by up to 40 percent
- Very low noise level, silent & smooth machine operation

Hydraulic System



- Using valves and pumps manufactured by Germany's Bosch Rexroth improves dependability and minimizes maintenance.
- It also ensures low sensitivity to oil pollution and increases durability.

Backgauge



- The high precision backgauge device equipped with Hiwin ball screw and linear guide rail (Taiwan), adopts horizontal shell installation structure with high reliability, and single-shell double linear guide rails with high precision X-axis drive.

Electrical System



- The electrical components are manufactured by Schneider which offers greater reliability in conditions where power is unstable.
- These electrical components can be readily replaced anywhere in the globe.

Punch & Die/Fast clamping



- Standard double-V lower dies offer a wide range of slot sizes and shapes to choose from, easy die exchange, normal plate Press Brake capability, and an excellent price-to-performance ratio.
- 42CrMo steel dies, with a hardness of 42 degrees after heat treatment, guarantees longer life.
- A fast clamp will make it easy to change the top punch swiftly and easily.

■ ADVANCE NC HYDRAULIC PRESS BRAKE MACHINE



■ CONTROLLERS

E300P



TP10S



SPECIFICATIONS

Model	Normal Force	Bending Length	Poles Distance	Throat/ Depth	Stroke	Max. Opening	Main Power	Dimension
	(KN)	(mm)	(mm)	(mm)	(mm)	(mm)	(KW)	LxWxH(mm)
40T2500	400	2500	1850	220	100	320	5.5	2500x1200x1910
63T2500	630	2500	1900	260	120	320	5.5	2500x1300x2210
63T3200	630	3200	2560	260	120	320	5.5	3200x1300x2210
80T2500	800	2500	1990	320	120	320	7.5	2500x1400x2300
80T3200	800	3200	2560	320	120	350	7.5	3200x1500x2300
100T2500	1000	2500	2020	320	150	400	7.5	2500x1600x2400
100T3200	1000	3200	2600	320	150	400	7.5	3200x1600x2600
125T2500	1250	2500	2020	320	150	400	11	2500x1600x2400
125T3200	1250	3200	2580	320	150	400	11	3200x1600x2600
160T3200	1600	3200	2600	320	200	460	11	3200x1700x2700
160T4000	1600	4000	3000	320	200	460	11	4000x1700x2800
200T3200	2000	3200	2500	400	200	460	11	3200x1950x2800
200T4000	2000	4000	3000	400	200	460	11	4000x1950x2800
250T3200	2500	3200	2500	400	250	530	18.5	3200x2000x3200
250T4000	2500	4000	3000	400	250	530	18.5	4000x2000x3400
300T3200	3000	3200	2530	400	250	530	22	3200x2000x3450

MAIN FEATURES

- Fully steel welded structure, with excellent rigidity and stability.
- Micro-adjustment is facilitated by the blade pedestal's placement on the worktable.
- On the worktable, a support ball facilitates rolling plate operation.
- Provided with a counting feature for shearing to reduce the amount of manual counting required.
- The NC Hydraulic Guillotine Shearing Machine has a sophisticated hydraulic integrated system with minimal pipeline connections to assure the system's dependability and security.
- International standard components.
- Front arms with ruler fixed on worktable.
- Blades gap adjustment by hand wheel.
- Motorised back gauge, reduce speed through gear.
- Compatible NC controllers: Estun E21S / E200S, Delem DAC310, DAC360, Maper HT071, Elgo P40 ect.

NC HYDRAULIC SWING BEAM SHEARING MACHINE



SPECIFICATIONS

MODEL	Cutting thickness	Cutting length	Cutting angle	Material Intension	Back-gauge travel	Cutting times	Main power	Overall Dimension
	(mm)	(mm)	(°)	(KN/CM)	(mm)	(T/min)	(KW)	LxWxH(mm)
4x2500	4	2500	1°30′	≤450	20-600	16	5.5	3040x1610x1620
4x3200	4	3200	1°30′	≤450	20-600	14	5.5	3840x1610x1620
6x2500	6	2500	1°30′	≤450	20-600	14	7.5	3040x1610x1620
6x3200	6	3200	1°30′	≤450	20-600	12	7.5	3840x1610x1620
8x2500	8	2500	1°30′	≤450	20-600	10	11	3040x1700x1700
8x3200	8	3200	1°30′	≤450	20-600	8	11	3860x1700x1700
10x2500	10	2500	2°	≤450	20-600	9	11	3040x1700x1700
10X3200	10	3200	2°	≤450	20-600	9	11	3860x1700x1700
10X4000	10	4000	2°	≤450	20-600	8	11	4650x2100x2000
12x2500	12	2500	2°	≤450	20-600	9	18.5	3140x2150x2000
12x3200	12	3200	2°	≤450	20-600	9	18.5	3880x2150x2000
12x4000	12	4000	2°	≤450	20-1000	8	18.5	4680x2150x2000
16x2500	16	2500	2°30′	≤450	20-600	9	22	3140x2150x2000
16x3200	16	3200	2°30′	≤450	20-600	8	22	3880x2150x2000
16x4000	16	4000	2°30′	≤450	20-1000	8	22	4650x2150x2200

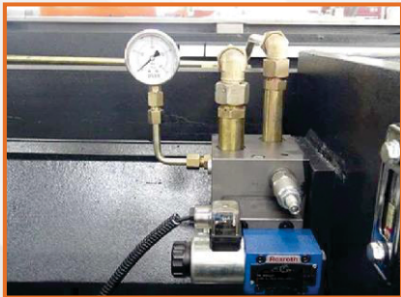
STANDARD CONFIGURATION

Main Motor



- The machine's motor is manufactured by the renowned German firm, Siemens.
- This motor makes the machine more durable and quieter.

Hydraulic System



- Using valves and pumps manufactured by Germany's Bosch Rexroth improves dependability and minimizes maintenance.
- It also ensures low sensitivity to oil pollution and increases durability.

Electrical System



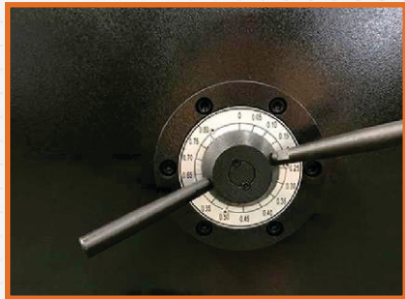
- The electrical components are manufactured by Schneider which offers greater reliability in conditions where power is unstable.
- These electrical components can be readily replaced anywhere in the globe.

Front Table



- Transfer balls on table can reduce surface scratches on the sheet.
- The machine is equipped with front support arms with ruler for easy feeding.

Ball Clearance Adjustment



- Adjusts the spacing between the cutting blades based on the thickness of the metal sheet to improve cutting performance.

Ball Screw



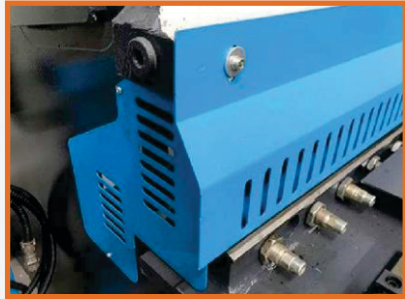
- Backgauge system with Hiwin ball screw and slick rod for high precision.

Blade



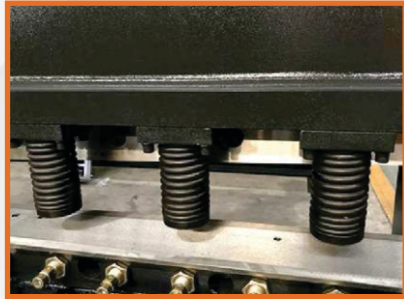
- Equipped with Top blade with 2 cutting edges and bottom blade with 4 cutting edges to increase durability and reduce downtime
- High tensile 6CrW2Si blades for cutting carbon steel and stainless steel.

Safety Fence



- Protective guards on each side can protect the user during operation.

Hydraulic Hold Down Pads



- The lower end of the press cylinder is made of non-metal material, which has certain elasticity and large friction coefficient. When cutting the sheet, the press pad can be in close contact with the material plate to provide sufficient friction to effectively prevent the plate from being shaken during the shearing process.

OPTIONAL CONFIGURATION

Pneumatic Support



- Pneumatic rear sheet support is optional

CNC/NC HYDRAULIC GUILLOTINE SHEARING MACHINE



SPECIFICATIONS

Model	Cutting thickness	Cutting length	Backgauge stroke	Overall length	Overall width	Overall height	Angle
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	Range (Degree)
6x2500	6	2500	20-750	3040	1740	2040	1-3
6x3200	6	3200	20-750	3750	1770	2150	1-3
8x2500	8	2500	20-750	3140	1700	1700	1-3
8x3200	8	3200	20-750	3860	1700	1700	1-3
8x4000	8	4000	20-750	4750	1700	1700	1-3
10x2500	10	2500	20-750	3240	1800	1700	1-3
10x3200	10	3200	20-750	3850	1830	1900	1-3
10x4000	10	4000	20-750	4750	2100	2000	1-3
13x2500	12	2500	20-750	3285	1830	2390	1-3
13x3200	12	3200	20-750	3855	1830	2390	1-3
16x3200	16	3200	20-1000	4010	1940	2830	1-3
16x4000	16	4000	20-1000	5010	1980	2830	1-3

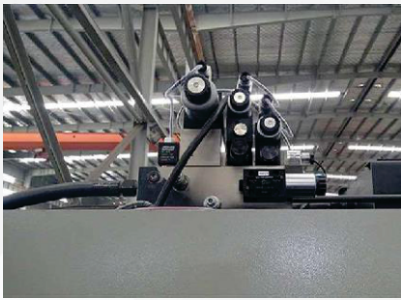
STANDARD CONFIGURATION

Main Motor



- The machine's motor is manufactured by the renowned German firm, Siemens.
- This motor makes the machine more durable and quieter.

Hydraulic System



- The machine is equipped with a first valve that is highly reliable and easier for maintenance.
- It ensures low sensitivity to oil pollution and assures longer service life.

Electrical System



- The electrical components are manufactured by Schneider which offers greater reliability in conditions where power is unstable.
- These electrical components can be readily replaced anywhere in the globe.

MAIN FEATURES

- Fully steel welded structure, with excellent rigidity and stability.
- Micro-adjustment is facilitated by the blade pedestal's placement on the worktable.
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- International standard components.
- Front arms with ruler fixed on worktable.
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Front Table



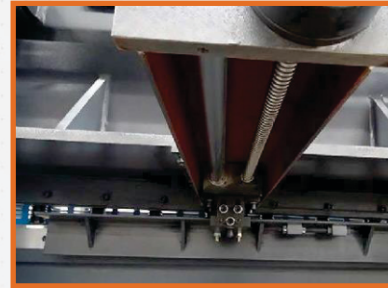
- Transfer balls on table can reduce surface scratches on the sheet.
- The machine is equipped with front support arms with ruler for easy feeding.

Ball Clearance Adjustment



- Adjusts the spacing between the cutting blades based on the thickness of the metal sheet to improve cutting performance.

Ball Screw



- Backgauge system with Hiwin ball screw and slick rod for high precision.

Blade



- A blade with four cutting edges to increase durability and reduce downtime.
- High tensile 6CrW2Si Blades for cutting carbon steel and stainless steel.

Safety Fence



- Protective guards on each side can protect the user during operation.

Hydraulic Hold- Down Pads



- The lower end of the press cylinder is made of non-metal material, which has certain elasticity and large friction coefficient. When cutting the sheet, the press pad can be in close contact with the material plate to provide sufficient friction to effectively prevent the plate from being shaken during the shearing process.

Notes



TRIO MACHINERIES

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