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CNC HYDRAULIC PRESSBRAKE



HYDRAULIC
PRES BRAKE

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ABOUT US



With many years of experience, TEZSAN provides to the world a wide range of sheet metal bending and cutting machines equipped with the latest technology. TEZSAN offers faster fiber laser cutting Machines, fully electrical servo brakes, robust hydraulic press brakes, accurate shearing and plasma cutting machines. With a production facility of 30000 m², the company is located in Turkey. All TEZSAN machines are manufactured with respect of all European standards and have the ISO 9001 certification. Increase your productivity by lowering your production cost with TEZSAN.

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* Some optional equipment was used on the machine photo.

tezsan*xl*

TEZSAN XL is an economical, robust, fast and accurate press brake. TEZSAN targets small and medium size sheet metal working companies.

TEZSAN XL is a synchronized hydraulic press brake with CNC controllers. It offers simple operation, quick and easy part programming, easy setup of the machine, auto calculation of the bend angle, and back gauge correction. The 2D off line programming feature of the standard ESA 640 control gives possibility to complete bending programs on the Office PC and transfer them to the machine by LAN or USB.

TEZSAN XL has more advanced features than its competitors :

- Robust mono block welded frame
- Bigger stroke and day light
- Longer distance between side frames
- Deeper throat depth
- Faster working speeds
- More powerful and accurate bendings

Forming Challenges Simplified Solution



STANDARD EQUIPMENT



ESA S 640 Control Unit



Single (X) Axis Back Gauge



Machine tonnage < 135 ton:
Light support arm



Machine tonnage > 135 ton:
Heavy Front Support



Front and Back Side Led Light



Foot Pedal With Emergency Stop



European Type
Punch Clamping
European Type
Die Clamping



OPTIONAL EQUIPMENT

ESA S 675 W CONTROLLER (Optional)

- 3D and 2D graphics touch screen programming mode
- 3D and 2D imaging in simulation and production
- 21" high resolution colour touch screen
- Full-featured Windows application
- ESA offline software
- USB flash memory drive
- Hard disk for more than 1.000.000 part programs
- 2D and 3D automatic bending sequence calculation
- Graphical product and tool selection



DELEM DA 66T (Optional)

- 2D graphics touch screen programming mode
- 17" high resolution colour TFT screen
- Full-featured Windows application
- Delem modusys compatibility
- USB, peripheral interfacing
- User specific application support with in the controllers
- Multitasking environment
- Sensor bending & correction interface



DELEM DA 69T (Optional)

- 3D and 2D graphics touch screen programming mode
- 3D and 2D imaging in simulation and production
- 17" high resolution colour TFT screen
- Full-featured Windows application
- Profile-T3D offline software
- 1 GB memory
- Emergency stop button
- 2D and 3D automatic bending sequence calculation
- Graphical product and tool selection



Manual Crowning (optional)

Motorized Crowning (optional)

BACKGAUGES

Gauging is a main concern for press brake operators. Whether you require complex part multi station bending or single bending TEZSAN XL offers solutions with 6 different back gauge options. Depending on the geometry of the parts and their complexity, all back gauge models are particularly manufactured to reach high precision and high speeds.

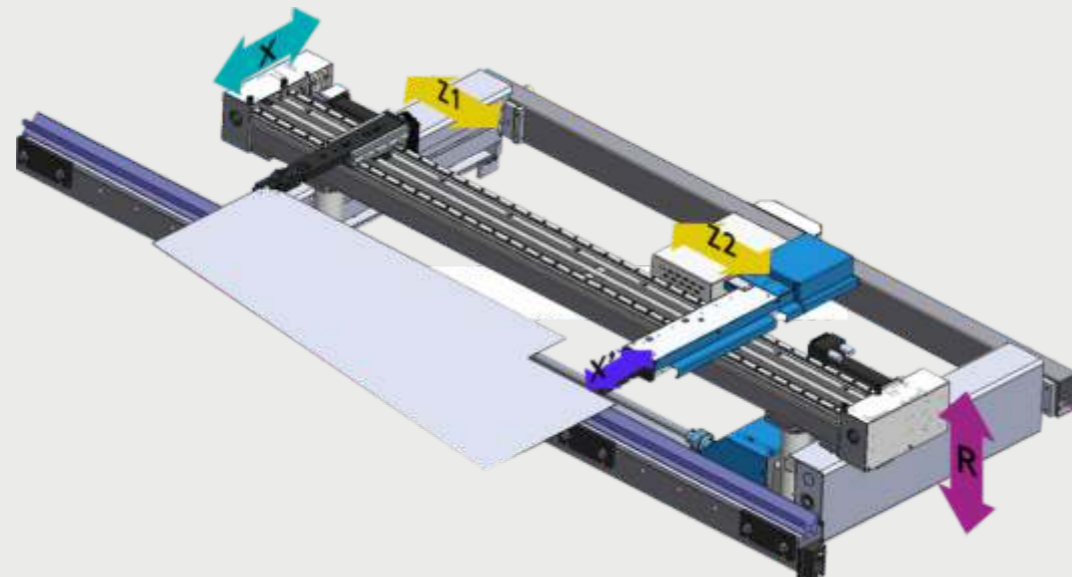


Standard Back Gauge Systems

- X CNC axis
- Ball screw driven X axis
- Linear guided with ball screw
- Higher X axis stroke
- Higher R axis stroke (manuel)
- Positioning accuracy of X axis $\pm 0.03\text{mm}$

Optional Back Gauge Systems

- X, R
- X, R, Z1, Z2
- X, R, Z1, Z2 + X Prime
- X1, X2, R1, R2, Z1, Z2 (ATF TYPE)
- X1, X2, R, Z1, Z2



X, R Axes (Servo motorized)



X, R, Z1, Z2 Axes (Servo motorized)



X, R, Z1, Z2, X Prime Axes (Servo motorized)



ATF - X1, X2, R1, R2, Z1, Z2 Axes (Servo motorized)



X1 X2 R Z1 Z2 (Servo motorized)

OPTIONAL EQUIPMENT

DSP Laser + MCS PLC

DSP laser is delivered with MCS safety PLC.
Laser adjustment (after tool change) must be done manually by operator.



Fiessler AKAS 2M Laser + Fiessler PLC

Fiessler laser is delivered with Fiessler safety PLC.
Laser adjustment (after tool change) must be done manually by operator.



Fiessler AKAS 3M Motorized Laser + Fiessler PLC

Fiessler laser is delivered with Fiessler safety PLC.
Laser adjustment (after tool change) automatically.



Hydraulic Oil Cooling System



Electrical Cabinet Cooler



CNC Controlled Sheet Follower



Additional Back Gauge Fingers

MACHINE ADVANTAGES



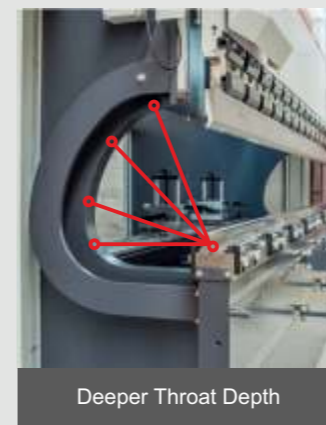
Stronger Beam Guiding



Precise and Reliable Hydraulic / Valve System



More Stroke



Deeper Throat Depth



More Daylight



Machine tonnage > 135 ton: Heavy Front Support

TECHNICAL SPECIFICATIONS



TEZSAN XL

TEZSAN XL	1540	2060	2660	26100	30100	30135	30175	30220	30320		36175	36220	36320	40175	40220	40320	40400	40600	60220	60320	60400	60600
Bending Length (mm) (A)	1550	2050	2600	2600	3020	3020	3020	3020	3020		3650	3650	3650	4050	4050	4050	4050	4050	6050	6050	6050	6050
Bending Capacity (ton)	40	60	60	100	100	135	175	220	320		175	220	320	175	220	320	400	600	220	320	400	600
Approaching Speed (mm/sn)	180	180	180	160	160	160	150	140	140		150	140	140	150	140	140	80	60	100	80	60	60
Bending Speed (mm/sn)	10	10	10	10	10	10	10	10	10		10	10	10	10	10	10	10	10	10	10	8	8
Returning Speed (mm/sn)	160	160	160	150	150	140	130	130	120		130	130	120	130	130	120	80	60	100	80	60	60
Stroke (C)	220	220	220	300	300	320	350	350	400		350	350	400	350	350	400	400	455	350	350	400	455
Daylight (D)	410	410	410	530	530	550	600	600	650		600	600	650	600	600	650	650	650	600	650	650	680
Throat Depth (E)	400	400	400	450	450	450	450	450	450		450	450	450	450	450	450	600	600	450	450	600	600
Distance Between Side Frames (B)	1250	1650	2150	2150	2555	2555	2555	2555	2555		3100	3100	3100	3550	3550	3550	3550	3550	5100	5100	5100	5100
Length (L)	2445	2845	3345	3320	3725	3745	3745	3745	3785		4290	4290	4330	4740	4740	4780	5000	5000	6775	6815	6855	7100
Width (W)	2200	2200	1930	2300	2550	2300	2550	2550	2590		2500	2500	2550	2500	2500	2500	2500	2500	2650	2500	2500	2660
Width Without Front Supports (Y)	1330	1335	1330	1695	1670	1710	1710	1710	1740		1710	1710	1740	1710	1710	1725	2310	3130	1760	1760	2270	3190
Height (H)	2390	2390	2390	2400	2770	2825	3025	3050	3100		3025	3050	3100	3025	3050	3100	3555	3755	3000	3100	3605	3755
Table Height (F)	900	900	900	900	900	900	920	920	920		920	920	920	920	920	920	1095	1095	920	920	1095	1000
Pit Depth	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	850	0	0	0	1030
Main Motor (kW)	7,5	7,5	7,5	11	11	15	22	22	30		22	22	30	22	22	30	45	45	22	30	45	45
Oil Tank (lt)	100	100	100	190	190	190	300	300	400		300	300	400	300	300	400	400	600	300	400	400	600
Approximate Weight	4150	4700	5400	7800	8400	9150	11000	11100	14250		12200	12350	15450	13100	13200	17650	24500	40500	18000	22850	31200	50000

TEZSAN HAS THE RIGHT TO MAKE MODIFICATIONS IN TECHNICAL PROPERTIES WITHOUT GIVING ANY NOTIFICATION

