

## ULTRA SERIES

### 4 AXIS CNC HYDRAULIC PRESS BRAKES

#### GENERAL SPECIFICATIONS

Hydraulic operation with two cylinders-ALBER

High performance hydraulic gear pump - REXROTH

High pressure filter ( with clogging detector and bypass) placed before all components

Air removal filter in the reservoir

Fast descent by gravity, bending phase and return of the ram are controlled electronically via a proportional flow valves - REXROTH

Bending force controlled by proportional pressure valves - REXROTH

Quality oil with high viscosity index

Frame is designed and sized using analyze program

Hydraulic components from leading companies worldwide (REXROTH)

Connectors and system tube sizing according to din regulations

Flanged connectors and hoses according to sae regulations

Construction of cylinders with high quality materials, hardening and very accurate finishing for the sliding surfaces

Choice of seals and sizing of the housings is a result of many years of experience

Preventive system flushing and thorough testing

We only use welded steel with high tensile strength and stiffness

ALBER

High Capacity

Strong and Rigid Body

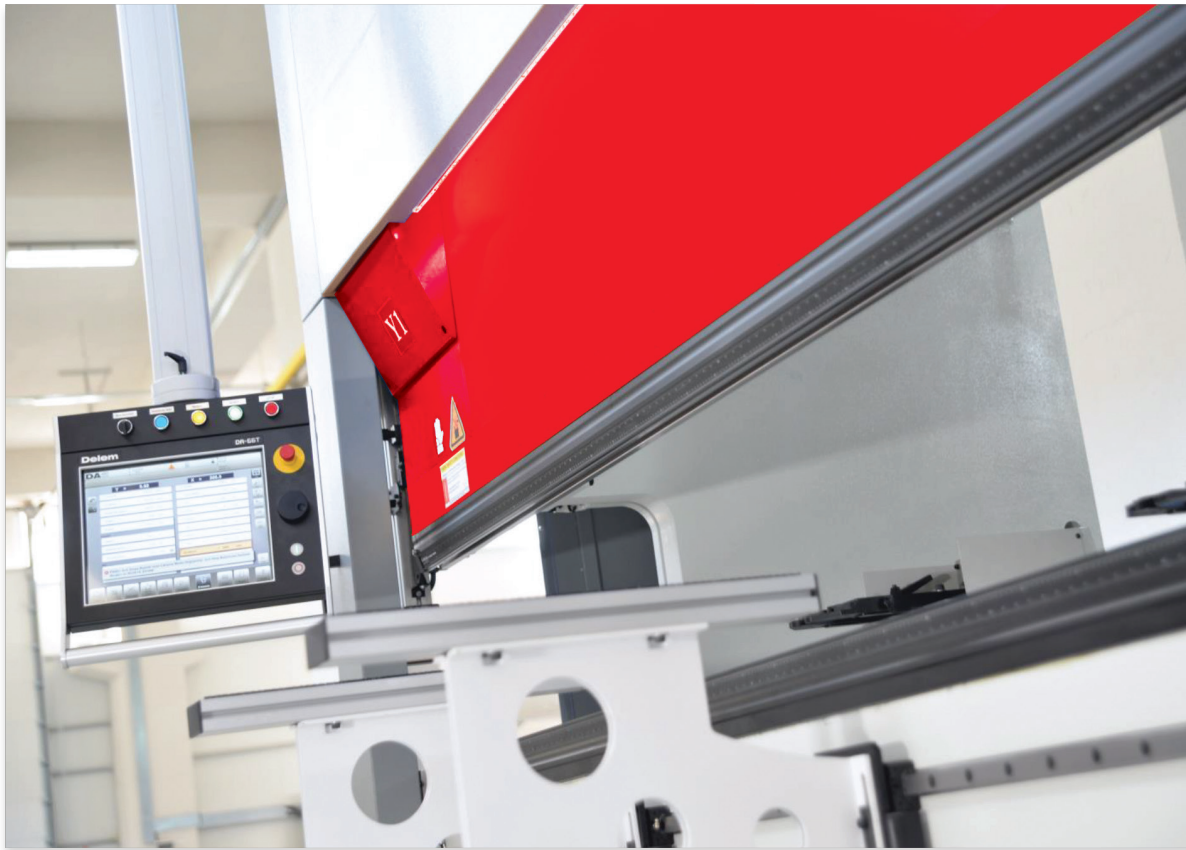
Low Service Cost

Fast and Precise Bending

Reliability



## Features of Ultra Series



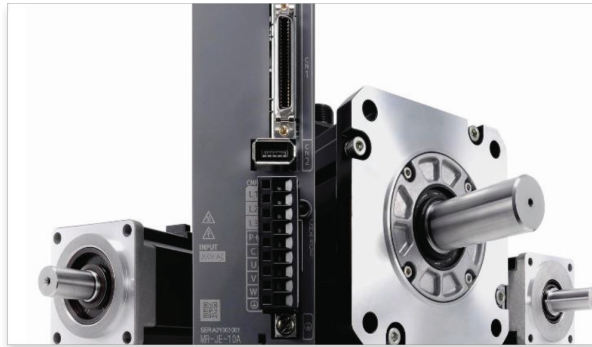
Standard 2 axis back guage  
Fast and high accuracy servo motors  
Resistance to crash  
Maintenance free



Precise and Robust Back Gauge system



Quick release damping



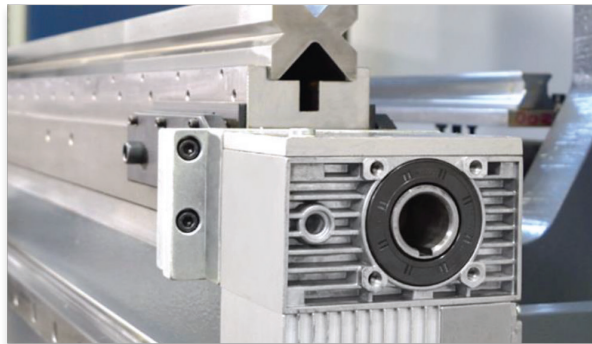
Mitsubishi Serva Motors



Front support arms with broshes are mounted on a linear guide rail ayatem



Linear encoder - Opkon/GIVI



CNC controlled motorized crowning system - Option



CE Safety system

Our machines are designed in accordance with Ce-Norms to ensure your safety with hydraulic, electric, appropriate height covers and laser light curtains. CE safety in tandem machines are also provided with light barriers



## Ultra Series Control Units



Cybelec Cybtouch 15 (standard)

### Customer Benefits

- Y1, Y2, X and R axes, the optional Z1 and Z2 axes, And motorized crowning are supported
- 15" capacitive touchscreen with glass surface Collision detection
- Bending sequence computation



Cybelec Modeva 19 T

### Customer Benefits

- Large touchscreen with a customizable area
- Comfort and power with a flat and modern design
- Direct import from most CAD/CAM systems



## Delem 66 T

### Customer Benefits

- 20 Graphical touchscreen programming mode
- 17" high resolution colour TFT
- Sensor bending and correction interface



## Delem 69 T

### Customer Benefits

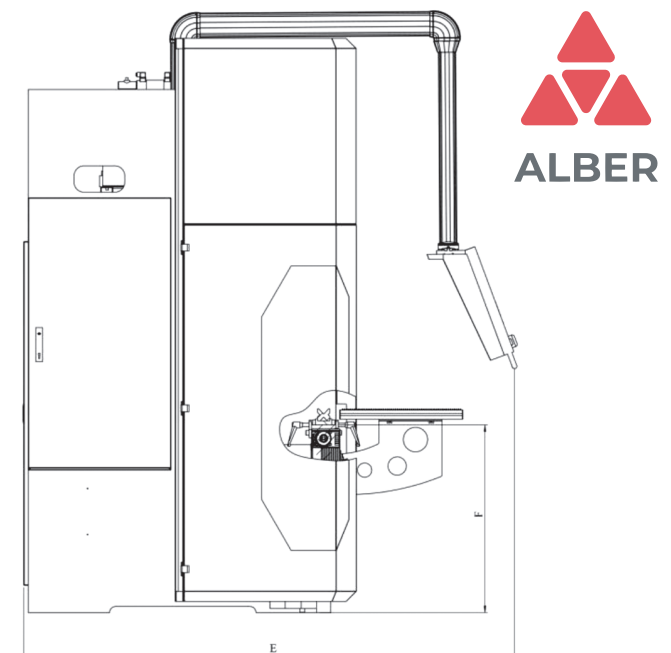
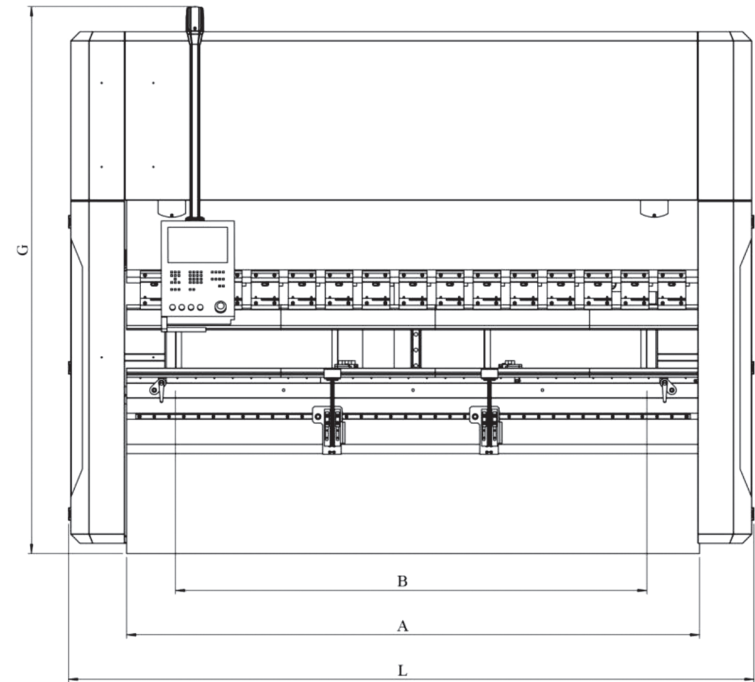
- 3D and 2D graphical touchscreen programming mode
- 3D visualisation in simulation and production
- Profile - T 3D offline software

### Standard Equipments

Y1, Y2, X, R - 4- axis  
Control unit - Cybelec Cyb Touch 15 or Delem 58 T  
Non CE with manual F .AKAS FPBS ( for top beam )  
Mitsubishi servo motor back gauge and ball screw system ( X-R)  
CNC controlled motorized crowing system  
60mm. Die holder  
Quick Release European top damping system  
Sliding front arms with brushes  
Special cover design  
Rexroth hydraulic block and valves  
World standard electric equipments  
LED lights on front cover

### Optional Equipments

Control unit - ModEva 19 Tor Delem 66 T  
CE Manual Fiessler - FMSC-A- M and Akas LC - il - M ( safety PLC )  
DSP safety system + MCS ( safety PLC)  
Z1, Z2 axis  
X1, X2 axis R1,  
R2 axis  
Delta X axis  
X axis = 1000 mm- light barrier back protection  
Wila PRO and PREMIUM Top and Bottom damping systems AP3 -  
AP4 sheet followers  
Parking area  
Central lubrication system  
Oil cooler  
Additional back gauge finger and sliding front support arms  
Special packing for overseas shipment



# Ultra Series CNC Hydraulic Press Breakes

TYPE	Bending Length	Bending Force	Stroke	Between columns	Y axis down speed	Y axis bending speed	Y axis return speed	X axis distance	R axis distance	X axis speed	Length	Width	Height	Width	Throat Depth	Table Height	Daylight	Bottom table dimension	Motor	Oil tank	Weight	
	A		I	B							L	D	G	E	H	F	J	K				
	mm	Ton	mm	mm	mm/sec	mm/sec	mm/sec	mm	mm	mm/sec	mm	mm	mm	mm	mm	mm	mm	mm	Kw	lt	Kg	
											Machine Transport Dimension											
ULTRA-1260	1300	60	180	1000	180	10	140	650	250	350	2130	1990	2375	2400	400	850	400	120	7,5	100	3250	
ULTRA-2060	2100	60	270	1650	180	10	140	650	250	350	2830	1990	2375	2400	450	850	550	120	7,5	100	3750	
ULTRA-25100	2600	100	270	2100	180	10	140	650	250	350	3300	1700	2760	2150	450	850	550	120	11	200	6500	
ULTRA-31100	3100	100	270	2550	180	10	140	650	250	350	3760	1700	2760	2150	450	850	550	120	11	200	7800	
ULTRA-31135	3100	135	270	2550	160	10	120	650	250	350	3760	1700	2760	2150	450	850	550	120	15	200	8900	
ULTRA-31175	3100	175	270	2550	160	10	120	650	250	350	3775	1825	2920	2250	450	920	550	120	18,5	200	9800	
ULTRA-31220	3100	220	270	2550	140	10	120	650	250	350	3775	1830	2920	2270	450	920	550	120	22	200	11500	
ULTRA-31300	3100	300	370	2550	140	10	100	650	250	350	3810	2050	3100	2550	450	920	650	150	37	300	14500	
ULTRA-31400	3100	400	370	2550	100	10	100	650	250	350	3990	2250	3280	2700	550	1030	650	150	37	400	20500	
ULTRA-37175	3700	175	270	3100	140	10	120	650	250	350	4325	1825	2920	2250	450	920	550	120	17,5	200	12000	
ULTRA-37220	3700	220	270	3100	140	10	120	650	250	350	4325	1830	2960	2270	450	920	550	120	22	200	13500	
ULTRA-37300	3700	300	370	3100	140	10	100	650	250	350	4360	2110	3150	2690	450	920	650	150	37	300	15500	
ULTRA-41175	4100	175	270	3550	140	10	120	650	250	350	4675	1825	2920	2250	450	920	550	120	18,5	200	13000	
ULTRA-41220	4100	220	270	3550	140	10	100	650	250	350	4675	1830	2960	2270	450	920	550	120	22	200	14500	
ULTRA-41300	4100	300	370	3550	120	10	100	650	250	350	4710	2050	3100	2550	450	920	650	150	37	300	18000	
ULTRA-41400	4100	400	370	3550	100	10	80	650	250	350	4990	2250	3280	2700	550	1030	650	150	37	400	23000	
ULTRA-61220	6100	200	270	5100	120	10	100	650	250	350	6675	1850	2960	2250	450	1050	550	120	22	200	21000	
ULTRA-61300	6100	300	370	5100	100	10	100	650	250	350	6675	2050	3100	2250	450	920	650	150	37	300	25500	
ULTRA-61400	6100	400	370	5100	100	10	80	650	250	350	6660	2250	3280	2700	550	1030	650	150	37	400	31000	
ULTRA-61500	6100	500	370	5100	100	10	80	650	250	350	6680	2300	3350	2850	550	1070	650	150	37	400	34000	
ULTRA-61600	6100	600	370	5100	80	10	80	650	250	350	6720	2650	5100	3780	550	2230	650	150	45	500	53000	