

MAXIMA SERIES

3 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



Easy to Use

Ergonomic

Budget Friendly

Fast and Productive

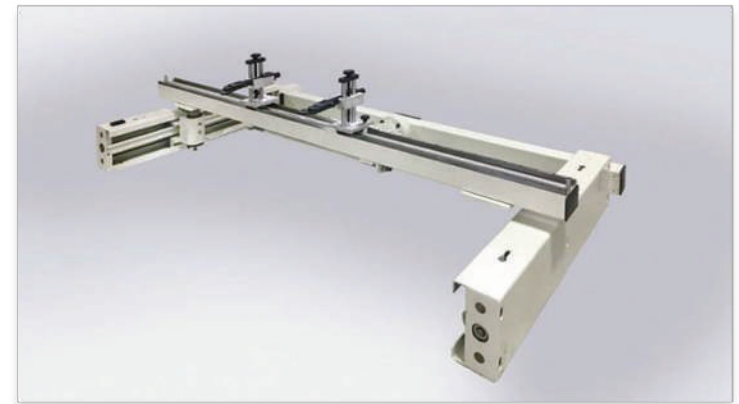
Minimum Setting Time



Features of Maxima Series



Standard manual height adjustable fingers



Precise and robust back gauge system



Top and bottom damping system
Quick release damping



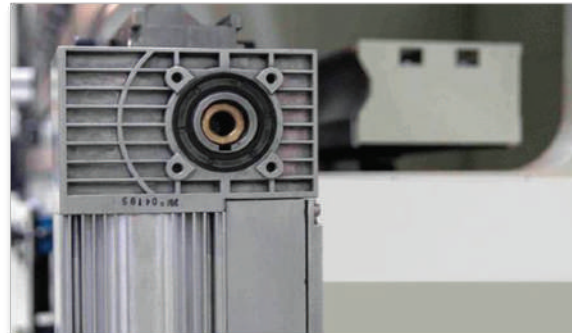
European Type Bottom Tool (4V Die)



Front support arms with brushes are mounted
on a linear guide rail system



Manual Crowning system - Standard



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

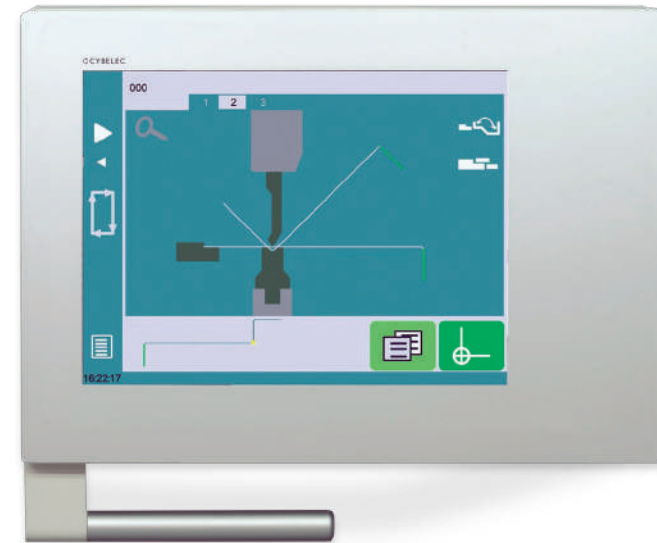
Maxima Series Control Units



Cybelec Cybtouch 12 (standard)

Customer Benefits

- Open to any operator thanks to the simple and intuitive full touch
- Screen programming
- Modern and efficient hand drawing part profile programming
- Very fast solution provided by 20 graphic display and automatic
- Bending sequence



Cybelec Modeva 15

Customer Benefits

- I, 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



Delem 58 T

Customer Benefits

The DA-SST is a state of the art complete 20 graphical control solution for Synchronized press brakes. Offering easiest CNC programming based on the Delem

Graphical touch screen userInterface Including automatic bend sequence calculation and collision detection.

Its 15" high resolution colour TFT, with industrial grade multi touch screen technology, gives access to the proven Delem user-interface. it enables direct navigation between product programming and actual production.

Functions are directly located where needed, offering optimised ergonomics throughout the entire application.

20 graphical touch screen programming 15" high resolution colour TFT

Bend sequence calculation

Crowning control

Servo and frequency Inverter control

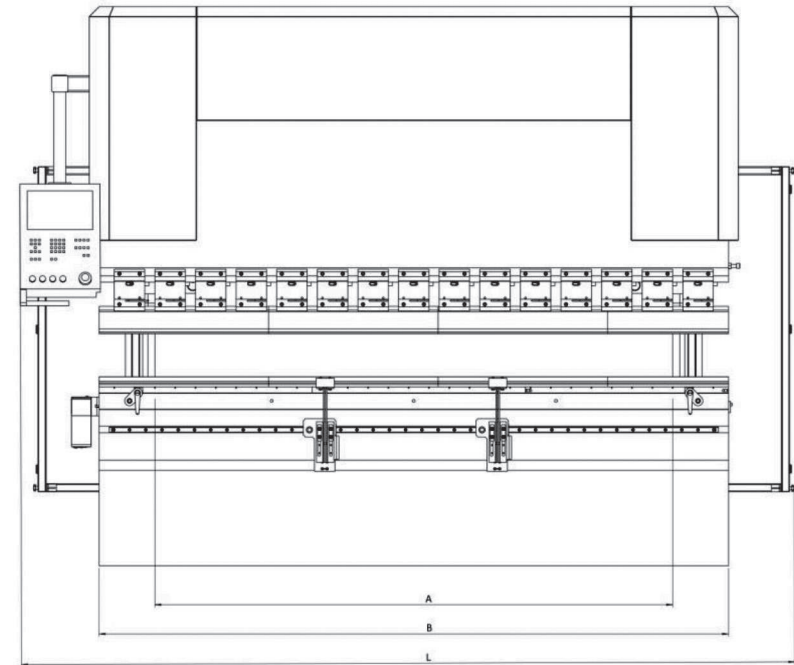
Advanced Y-axis control algorithms for closed-loop as well as open-loop valves

USB, peripheral interfacing



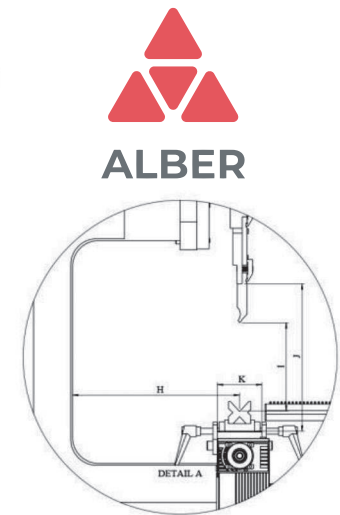
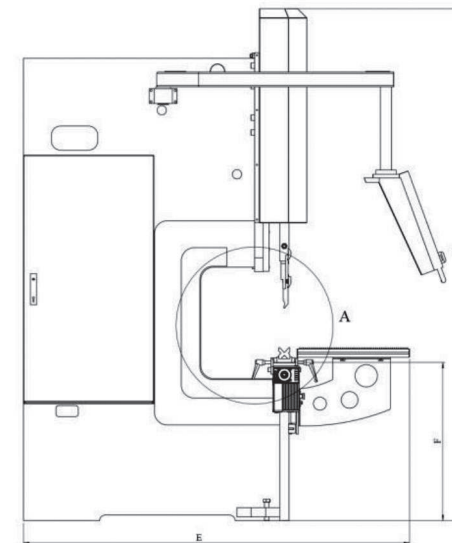
Standard Equipments

(Y1, Y2, X) 3 axis Synchro Press Brake Manual Crowning
Control unit - CNC Cybelec CybTouch 12 Graphic Control
Non CE with manual F .AKAS FPBS (for top beam)
European Quick Release Clamping system
60mm. Die holder
Back gauge : motorised and ballscrew system
Back gauge fingers : manual height adjustable
Back gauge motors : AC motors
Sliding front arms with full length linear guide and brushes
Safety covers



Optional Equipments

Cybelec CybTouch 15
Delem 58T control unit
Delem 66T control unit
CE norm with DSP top beam safety with PLC included
Manual FIESSLER AKAS + FPSC (safety PLC)
R axis
CNC controlled motorised crowning system Oil coolant
Oil heater
Additional front arms
Additional back gauge fingers
Control panel on opposite side



Maxima Series 3 Axis Hydraulic Press Breaks

TYPE	Bending Length	Bending Force	Stroke	Between columns	Y axis down speed	Y axis bending speed	Y axis return speed	X axis distance	X axis speed	Length	Width	Height	Width	Throat Depth	Table Height	Daylight	Bottom table dimension	Motor	Oil tank	Weight	
	B		I	A						L	D	G	E	H	F	J	K				
	mm	Ton	mm	mm	mm/sec	mm/sec	mm/sec	mm	mm/sec	mm	mm	mm	mm	mm	mm	mm	mm	Kw	lt	Kg	
										Machine Transport Dimension											
MAXIMA-1240	1300	40	180	1000	160	10	140	650	350	2125	1950	2150	2100	300	770	345	100	5,5	100	2500	
MAXIMA-1260	1300	60	180	1000	160	10	140	650	350	2130	1990	2375	2400	400	850	400	100	5,5	100	3100	
MAXIMA-2060	2100	60	270	1650	160	10	140	650	350	2830	1990	2375	2400	450	850	550	100	5,5	100	3500	
MAXIMA-25100	2600	100	270	2100	160	10	120	650	350	3300	1700	2760	2150	450	850	550	100	7,5	200	6500	
MAXIMA-31100	3100	100	270	2550	160	10	120	650	350	3760	1700	2760	2150	450	850	550	100	7,5	200	7500	
MAXIMA-31135	3100	135	270	2550	160	10	120	650	350	3760	1700	2760	2150	450	850	550	120	11	200	8500	
MAXIMA-31175	3100	175	270	2550	160	10	120	650	350	3775	1825	2920	2250	450	920	550	120	15	200	9600	
MAXIMA-31220	3100	220	270	2550	140	10	120	650	350	3775	1830	2960	2270	450	920	550	120	18,5	200	11000	
MAXIMA-31300	3100	300	370	2550	140	10	100	650	350	3810	2050	3100	2550	450	920	650	150	30	300	13800	
MAXIMA-31400	3100	400	370	2550	100	10	100	650	350	3990	2250	3280	2700	550	1030	650	150	37	400	19500	
MAXIMA-37175	3700	175	270	3100	140	10	120	650	350	4325	1825	2920	2250	450	920	550	120	15	200	11200	
MAXIMA-37220	3700	220	270	3100	140	10	120	650	350	4325	1830	2960	2270	450	920	550	120	18,5	200	12300	
MAXIMA-37300	3700	300	370	3100	140	10	100	650	350	4360	2110	3150	2690	450	920	650	150	30	300	14800	
MAXIMA-41175	4100	175	270	3550	140	10	120	650	350	4675	1825	2920	2250	450	920	550	120	15	200	11600	
MAXIMA-41220	4100	220	270	3550	140	10	100	650	350	4675	1830	2960	2270	450	920	550	120	18,5	200	13200	
MAXIMA-41300	4100	300	370	3550	120	10	100	650	350	4710	2050	3100	2550	450	920	650	150	30	00	17000	
MAXIMA-41400	4100	400	370	3550	100	10	80	650	350	4990	2250	3280	2700	550	1030	650	150	37	400	22000	
MAXIMA-61220	6100	200	270	5100	120	10	100	650	350	6675	1850	2960	2250	450	1050	550	120	18,5	200	19800	
MAXIMA-61300	6100	300	370	5100	100	10	100	650	350	6675	2050	3100	2550	450	920	650	150	30	300	23550	
MAXIMA-61400	6100	400	370	5100	100	10	80	650	350	6660	2250	3280	2700	550	1030	650	150	37	400	30000	
MAXIMA-61500	6100	500	370	5100	100	10	80	650	350	6680	2300	3350	2850	550	1070	650	150	37	400	31500	
MAXIMA-61600	6100	600	370	5100	80	10	80	650	350	6720	2650	5100	3780	550	2230	650	150	45	500	51400	