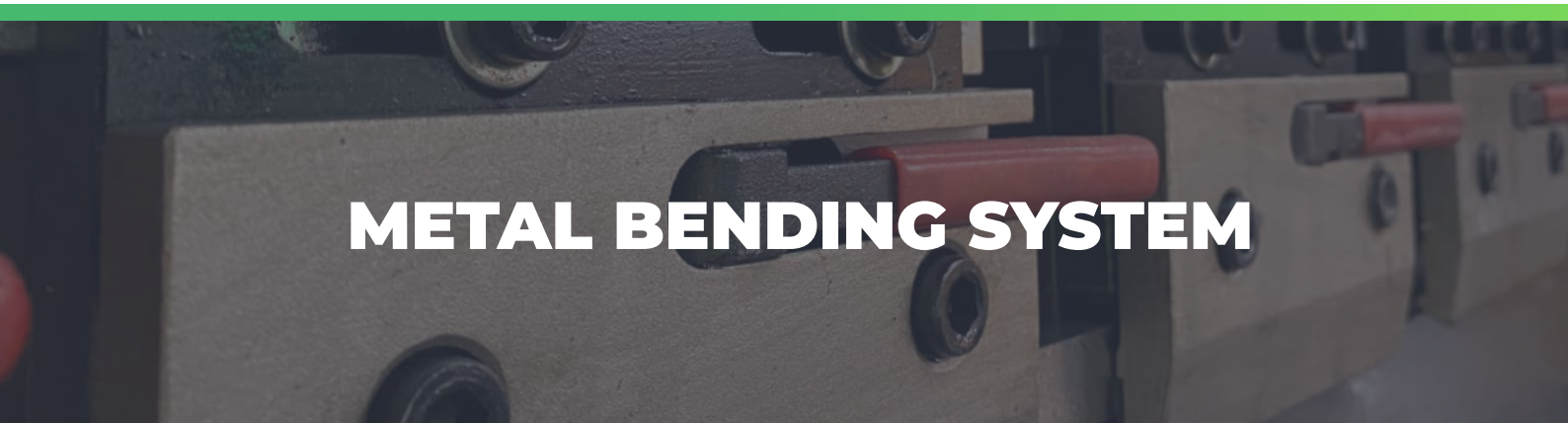
MAN TECH
Manufacturing Technology

PRESS BRAKES

INDUSTRIAL MACHINERY

Affordable Premium Press Brakes



METAL BENDING SYSTEM

Affordable Premium Press Brakes

PRESS BRAKES

Machine Overview

Mantech Premium Press Brakes have been in development for many years, now coupled with unrivalled affordability and performance.

The whole machine is made in sheet plate Mono Block welded structure, to provide high strength and good rigidity and ensuring minimum deflection under load. Double hydraulic oil cylinder is applied for upper transmission and synchronous torsion bar, typical for stable and reliable operation, as well as high precision.

Ball screw and linear guide rails are used for rear end stop, to ensure the positioning precision of the rear back stop. Our press brakes are perfect for working within the sheet metal industry, giving the ability to quickly produce parts

Aerospace | Automotive | Sign Making | Fabrication | Protoyping

A robust, high performance press brake. Available in a wide range Of configurations and capacities.

PRESS BRAKES

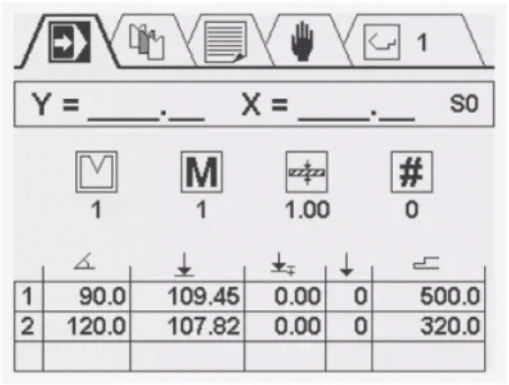
Specification

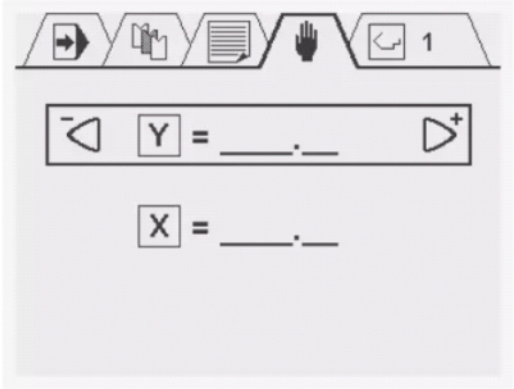
Standard Features & Equipment	
Build	All steel welded mono-block construction, ensuring minimum deflection under operational load. Anti deflection tables are standard on models that are 160 ton and above.
Safety systems	CE certified - includes light curtain safety barriers, side and rear mechanical safety guards with interlock switches.
Adjustable CAMs	Mechanical CAMs can be adjusted – set the upper position & work speed change point.
Motorised RAM stroke control	Incorporates precision mechanical depth stops and adjustment.
Top and bottom tool	Goose neck top tool and multi V bottom tool.
Back gauge	Motorised back gauge including 2 off tiltable finger stops.
Tonnage settings	Gauge and adjustable pressure switch, allowing for simple control of tonnage settings.
Depth stops control	Motorised setting of mechanical depth stops incorporated above the cylinders
Support arms	X2 front support arms with tilting stops
Selector control	For single or auto cycle operation of beam
Foot pedal	Moveable foot pedal control tower
Pendant Control Panel	Conveniently placed on the right side of the unit in immediate reach of the operator. All controlled via the Delem DA-41 CNC Control.
Full top Euro tooling	With additional 800 mm section for segmenting
Manuals	Instructions and maintenance manual.
Commissioning / Warranty	On-site commissioning and with a 12 months parts and labour warranty
Extras	Service kit.

PRESS BRAKES

Delem DA-41 Control Features

Bright LCD Display
Beam Stop Control
Back gauge Control
Angle Programming
Retract Function
Save Up to 100 Programs
Up to 25 Bends Per Programme
Panel Based Housing
Servo Control / Unipolar / AC Two Speed Control





The DA-41 control provides a complete solution for conventional press brake applications for 2 axes. Including the axes control for the press beam and back gauge and flexible I/O configuration, the **state-of-the-art electronics** offers a versatile solution. The axes control supports servo control, two-speed AC control as well as unipolair control. Depending on the application you can select either two side positioning as well as single side positioning with **spindle fault elimination**.

With its bright LCD display a clear and easy control is offered. The numerical programming, having **angle and tool parameters**, can be done in a direct table overview.
The bend parameters can be selected via a user-friendly cursor manipulation.

PRESS BRAKES

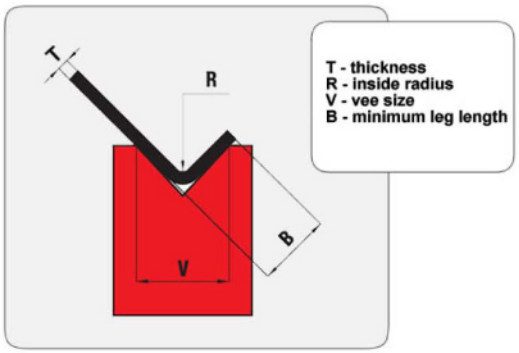
Models and operational data

Model numbers and corresponding data

Model	Nominal Force (kN)	Worktable length (mm)	Vertical column distance (mm)	Throat depth (mm)	Stroke (mm)	Max open height (mm)	Stroke adjustment (kg)	Motor power (kW)	Net weight (kg)	Dimensios (L*W*H) (mm)
W67Y-30/1320	300	1320	1140	200	80	320	60	3	2000	1950*1420*2100
W67Y-30/1600	300	1600	1420	200	80	320	60	3	2300	2280*1500*2100
W67Y-40/1320	400	1320	1120	200	100	340	80	4	2200	1950*1420*2100
W67Y-40/1600	400	1600	1400	200	100	340	80	4	3100	2150*1500*2100
W67Y-40/2000	400	2000	1800	200	100	340	80	4	3300	2550*1500*2200
W67Y-40/2500	400	2500	2300	200	100	340	80	4	3600	3100*1500*2200
W67Y-63/2500	630	2500	2260	250	100	355	80	5.5	4800	3100*1600*2280
W67Y-63/3200	630	3200	2960	250	100	355	80	5.5	5600	3800*1650*2280
W67Y-80/2500	800	2500	2240	250	100	355	80	7.5	5900	3100*1650*2300
W67Y-80/3200	800	3200	2940	250	100	355	80	7.5	6600	3900*1700*2300
W67Y-80/4000	800	4000	3470	250	100	355	80	7.5	7800	4700*1600*2300
W67Y-100/2500	1000	2500	2210	320	120	415	100	7.5	7300	3200*1700*2560
W67Y-100/3200	1000	3200	2910	320	120	415	100	7.5	8100	3900*1800*2560
W67Y-100/4000	1000	4000	3710	320	120	415	100	7.5	9200	4700*1900*2560
W67Y-125/250	1250	2500	2210	320	120	415	100	7.5	6500	3200*1700*2560
W67Y-125/3200	1250	3200	2910	320	120	415	100	7.5	8150	3900*1800*2560
W67Y-125/4000	1250	4000	3710	320	120	415	100	7.5	9800	4700*1900*2560
W67Y-160/3200	1600	3200	2830	320	200	455	160	11	12000	3900*2180*2700
W67Y-160/4000	1600	4000	3640	320	200	455	160	11	14000	4700*2200*2580
W67Y-160/6000	1600	6000	5630	320	200	455	160	11	19500	6700*2200*2900
W67Y-200/3200	2000	3200	2800	320	200	455	160	15	14500	3900*220*2850
W67Y-200/4000	2000	4000	3600	320	200	455	160	15	15400	4800*2180*3000
W67Y-200/6000	2000	6000	5600	320	200	455	160	15	24600	6800*2200*3000
W67Y-250/3200	2500	3200	2850	400	250	560	200	18.5	16000	3900*2280*2900
W67Y-250/4000	2500	4000	3650	400	250	560	200	18.5	18800	4400*2280*3000
W67Y-250/6000	2500	6000	5650	400	250	560	200	22	28800	6800*2200*3200
W67Y-300/3200	3000	3200	2720	400	250	560	200	22	22800	3800*2200*3200
W67Y-300/4000	3000	4000	3520	400	250	560	200	22	24900	4600*2200*3200
W67Y-300/6000	3000	6000	5520	400	250	560	200	30	32000	6800*2200*3600
W67Y-400/3200	4000	3200	2800	400	320	630	270	30	24000	3800*2500*3450
W67Y-400/4000	4000	4000	3600	400	320	630	270	30	30000	4500*2500*3450

PRESS BRAKES

Press Brake Bending Chart



T	6	8	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	V
	4	5.5	7	8.5	11	14	17.5	22	28	35	45	55	71	89	113	140	175	226	350	B
	1	1.3	1.6	2	2.6	3.3	4	5	6.5	8	10	13	16	20	26	22	41	53	83	R
0.8	7	5	4																	F=T/m
1	11	8	7	6																
1.2	16	12	10	8	6															
1.5		17	15	13	9	8														
2			27	22	17	13	11													
2.5				35	26	21	17	13												
3					38	30	24	19	15											
4						54	42	34	27	21										
5							67	52	42	33	26									
6								75	60	48	38	30								
7										66	52	41	34							
8										86	69	53	43							
9											86	68	54	44						
10											105	85	67	53						
12												120	95	76	60					
15													150	120	95	75				
18														174	137	110	88			
20															170	135	108	85		
25																210	170	130	105	

For Aluminium Multiply answer by 0.6
For Stainless steel Multiply answer by 1.6