MAN TECH
Manufacturing Technology

DURMA

DURMA AD-S Series

Hydraulic System

Top Beam
LED Illumination

Linear Guided
Front Support
Arms

CE Safety System

Sky 22
Control Unit

Back Gauge System
System

Crowning
System

Why DURMA Press Brakes

- Better and faster bending
- Stronger and rigid body structure
- High sensitivity and repeatability
- High tegchnology excellent equipment
- Low service cost
- Reliability

Perfect components for precision

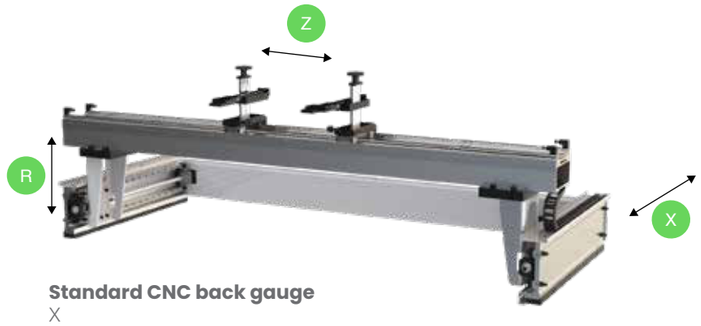
With it's easy to use control unit, stabile body structure, perfect design, low operating cost, different tool usage options, maximum safety standards, DURMA press brakes are purpose built to provide impressive performance.

Precise

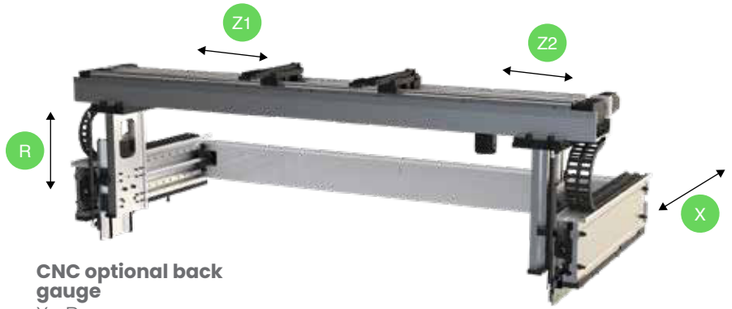
Reliable

Strong

- Fast and high accuracy
- Safe movement
- Resistance to crashes
- Virtually maintenance free
- Adjustment availability at every point



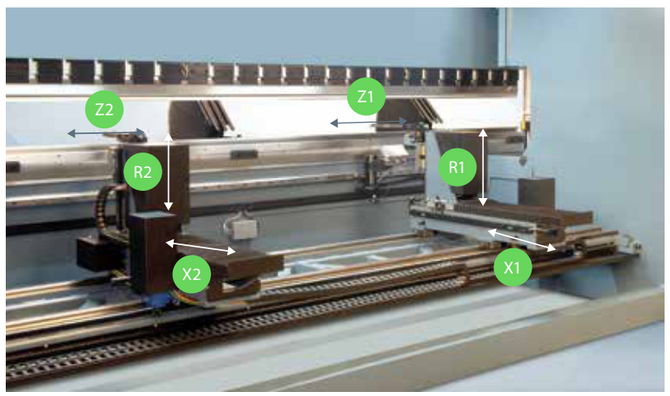
Standard CNC back gauge
X
R
Z manual



CNC optional back gauge
X - R
X - R - Z1, Z2
X - R - Z1, Z2, Delta X

General Specifications

- High sensitivity, Stress relieved steel construction body, long life Mono Block Frame
- Automatic calibration upon first startup
- DURMA designed and copyrighted guiding system
- Ball Screw and linear guide integrated back gauge system
- Durable, long life and accurate bending with special hardened top tools
- Suitable for segmented tools with a fast tool holding system
- Accurate bending solution on long and deep bending
- High accuracy linear scales
- CE safety standards
- Best in quality and world wide accepted hydraulic/electric components



CNC optional back gauge
X1 - X2, R1 - R2, Z1 - Z2

Fast

Precise

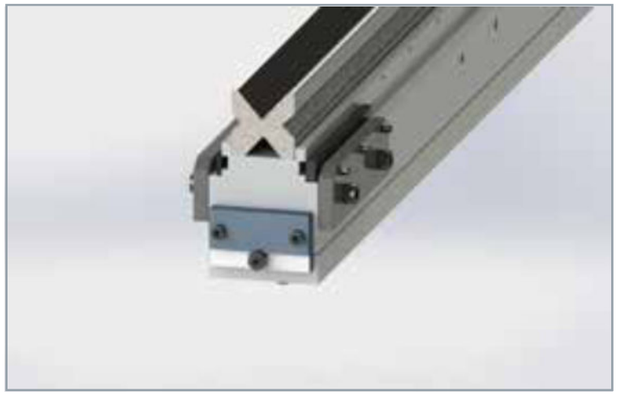
Perfect Bending

Tool Holders and Tools

Bending performance is increased by using high quality European clamping system and easiness to use. Narrow table designed for European style tool holder and Z bending.

DURMA is your solution partner with various tool options.

European Clamping System



European Type Bottom Tool (4V Die)

***DURMA* Top Tool Clamping System & Tool**

Quick Release Clamping

DURMA Hydraulic Clamping System

***DURMA* Bottom Tool Multi V**

Press Brake Control Options

DT 15

- Ergonomic panel design
- 19" color touchscreen
- Manual profiling on the touchscreen
- Diagnostic mode
- Easy programming mode
- Automatic bend sorting
- Multi-language option
- Tool programming and library
- D-Bend offline software
- Tandem compatible
- Internet service facility

SKY 22

- 21.5 '' TFT color touch screen with USB port and backup
- Automatic bending order
- Perfect control of electrical servo systems
- Archiving user bendings
- 2D/3D color graphics display and multi-simulation
- Windows 10 operating system
- D-Bend offline software
- Tandem applications
- Network interface
- X1-X2-R1-R2-Z1-Z2 and AP3-AP4 part support system
- DURMA laser angle measurement system compatible
- 2D / 3D part & tool import

DA-66T

- 2D graphical touch screen programming mode
- 3D visualisation in simulation and production
- 17" high resolution colour TFT
- Full Windows application suite
- Delem modusys compatibility
- USB, peripheral interfacing
- User specific application support within the controllers multitasking environment
- Sensor bending & correction interface
- Profile - TL - software

DA-69S

- 24" TFT screen, 1920 x3080 pixels, 32 bit colour,
- Real-time Linux embedded OS
- Full touch screen control
- Storage capacity 2 GB
- Network connectivity
- Delem modusys compitable
- Tandem operation
- 2D/3D real-scale product programming and visualision
- Automatic bending calculation 2D/ 3D
- DXF part & tool import support

Safe and Accurate Bends with Top Quality Equipment

Crowning System

Manual or CNC-controlled motorised crowning system simplifies bending by adjusting each point of the bending parts to acquire straight bends. The need for shimming is eliminated.

Linear Guide Front Sheet Supports

Rugged support arms with tilting stops are mounted on a linear guide rail system. This allows “finger-tip” Lateral adjustment as required by the bend length of the part.

They are also equipped with side gauges for the fast, easy, and accurate feeding of parts small or large.

Linear Guide Front Sheet Supports

CE Safety Systems

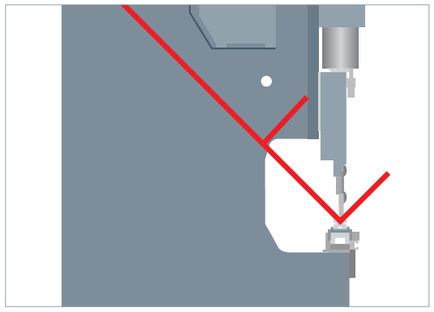
Our machines are designed in accordance with Ce-Norms to ensure your safety with hydraulic, electric, appropriate height covers and laser light curtains.

CE safety in tandem machines are also provided with light barriers.

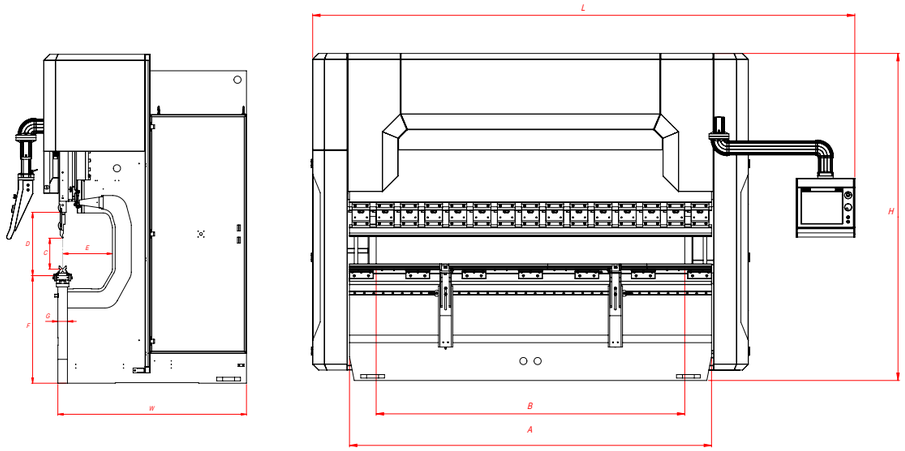
CE Laser Safety System

Stable Top Beam Movement

By using long and planar guiding surfaces, all the disadvantages of point guiding are eliminated 100%. Free bending space: guiding system that eliminates bending between frame has been moved to the out-side of the frame.



90 Degree Endless Bend



AD-S Series	Bending Force	Bending Length	Distance Between Columns	Stroke	Daylight	Throat Depth	Table Height	Table Width (Narrow / Wide)	Working Speed		Y Return Speed	Y Axis Precision	X Axis Working Speed
									Y Rapid Speed	Y Working Speed			
	Ton	mm	mm	mm	mm	mm	mm	mm	mm/sec.	mm/sec.	mm/sec.	mm	mm/sec.
		A	B	C	D	E	F	G					
AD-S 1260	60	1250	1050	160	400	350	900	104	200	10	110	0,01	500
AD-S 2060	60	2050	1700	265	530	450	900	104	200	10	110	0,01	500
AD-S 25100	100	2550	2200	265	530	450	900	104	180	10	120	0,01	500
AD-S 30100	100	3050	2600	265	530	450	900	104/180	180	10	120	0,01	500
AD-S 30135	135	3050	2600	265	530	450	900	104/180	160	10	120	0,01	500
AD-S 30175	175	3050	2600	265	530	450	900	104/240	160	10	100	0,01	500
AD-S 30220	220	3050	2600	265	530	450	900	104/240	140	10	140	0,01	500
AD-S 30320	320	3050	2600	365	630	450	900	154/300	160	10	140	0,01	500
AD-S 37175	175	3700	3100	265	530	450	900	104/240	140	10	100	0,01	500
AD-S 37220	220	3700	3100	265	530	450	900	104/240	160	10	120	0,01	500
AD-S 40175	175	4050	3600	265	530	450	900	104/240	160	10	140	0,01	500
AD-S 40220	220	4050	3600	265	530	450	900	104/240	160	10	140	0,01	500
AD-S 40320	320	4050	3600	365	630	450	900	154/300	160	10	140	0,01	500
AD-S 40400	400	4050	3400	365	630	510	1050	154/300	140	8	120	0,01	350
AD-S 60220	220	6050	5100	265	530	450	1050	154/300	140	10	120	0,01	350
AD-S 60400	400	6050	5100	365	630	510	1220	154/300	120	8	100	0,01	350

X Axis Precision	X Axis Distances			R Axis Working Speed	R Axis Working Distance	R Axis Precision	Z Axis Working Speed	Z Axis Working Distance	Motor Power	Oil Tank Capacity	Length	Width	Height	Weight Approx.
	650	750	1000											
mm	mm	mm	mm	mm/sec.	mm	mm	mm/sec.	mm	kW	lt	mm	mm	mm	kg
											L	W	H	
0,05	S	-	O	350	250	0,1	1000	490	7,5	100	2300	1550	2350	4700
0,05	S	-	O	350	250	0,1	1000	1100	7,5	100	3200	1550	2850	5600
0,05	S	-	O	350	250	0,1	1000	1580	11	100	3800	1670	2850	7800
0,05	S	-	O	350	250	0,1	1000	1990	11	100	4200	1670	2850	8500
0,05	S	-	O	350	250	0,1	1000	1990	15	150	4200	1680	2850	9580
0,05	S	-	O	350	250	0,1	1000	1990	18,5	250	4250	1700	2850	10900
0,05	S	-	O	350	250	0,1	1000	1990	22	250	4250	1770	3000	12600
0,05	S	-	O	350	250	0,1	1000	1990	37	250	4300	1820	3330	17100
0,05	S	-	O	350	250	0,1	1000	2375	18,5	250	4950	1700	3000	11750
0,05	S	-	O	350	250	0,1	1000	2375	22	250	4950	1770	3000	14440
0,05	S	-	O	350	250	0,1	1000	2910	18,5	250	5250	1700	2850	12780
0,05	S	-	O	350	250	0,1	1000	2910	22	250	5250	1770	3000	14750
0,05	S	-	O	350	250	0,1	1000	2910	37	250	5300	1910	3330	20000
0,05	-	S	O	300	250	0,1	1000	2670	37	500	5750	2110	3640	27760
0,05	-	S	O	300	250	0,1	1000	4400	22	250	7500	1770	3350	20800
0,05	-	S	O	300	250	0,1	1000	4400	37	250	7500	2110	3810	34600

Machines set according to optimum values.

S : Standard

O : Optional