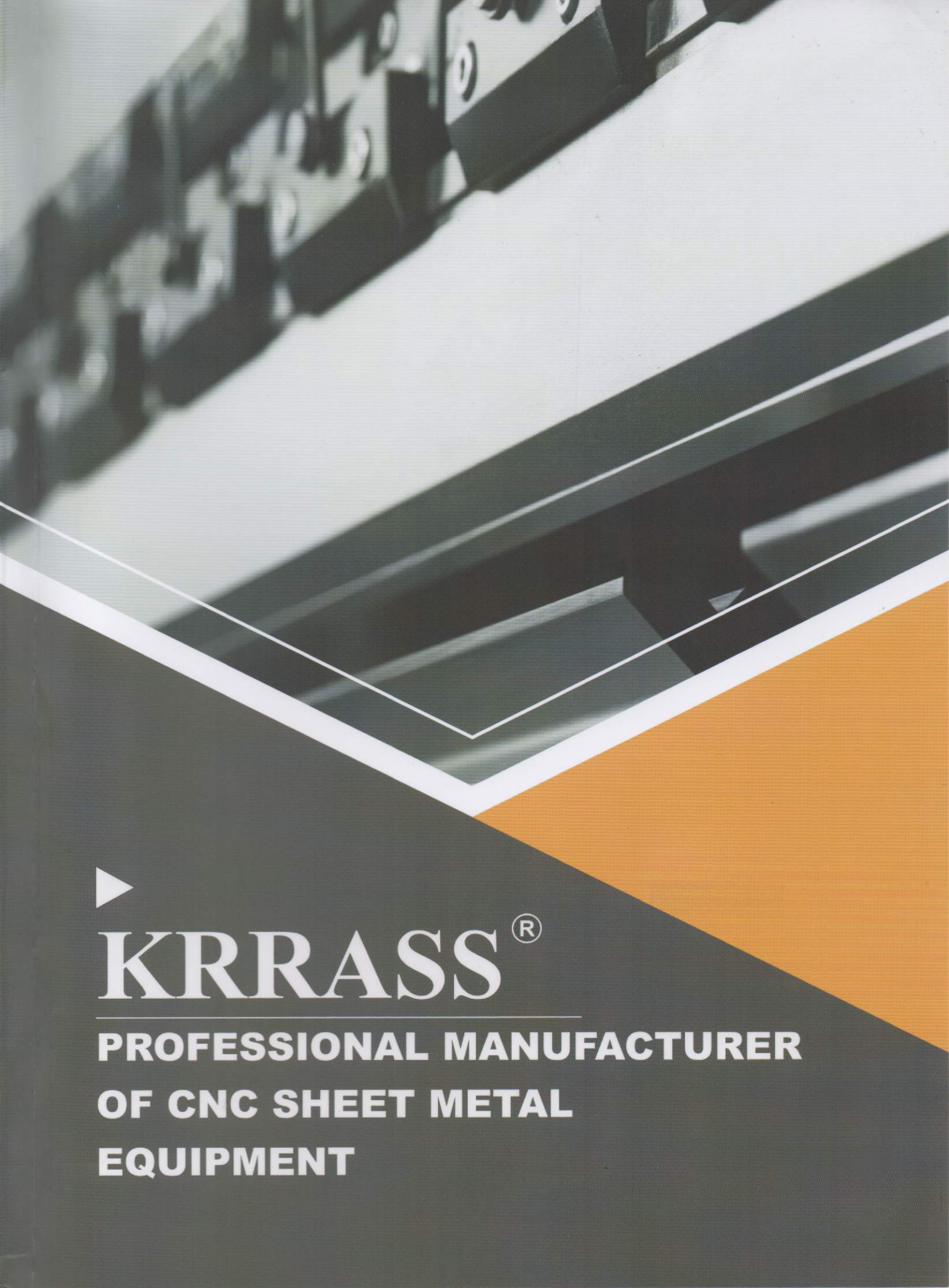


A close-up, high-angle photograph of industrial machinery, likely a CNC sheet metal fabricator. The image shows complex metal structures, including what appears to be a punch or die assembly, with various components and fasteners. A large, white, geometric shape, resembling a stylized 'K' or a large triangle, is superimposed over the lower half of the image, creating a modern, industrial aesthetic. The background is a mix of metallic grays and a solid orange color in the bottom right corner.

▶ **KRRASS[®]**

**PROFESSIONAL MANUFACTURER
OF CNC SHEET METAL
EQUIPMENT**

MB8 SERIES ELECTROHYDRAULIC SERVO PRESS BRAKE

- > Siemens Motor
- > Bosch Rexroth Oil Pump
- > PARKER/NOK Sealing Ring
- > Germany EMB Tube

- > Left/Right Safety Guard

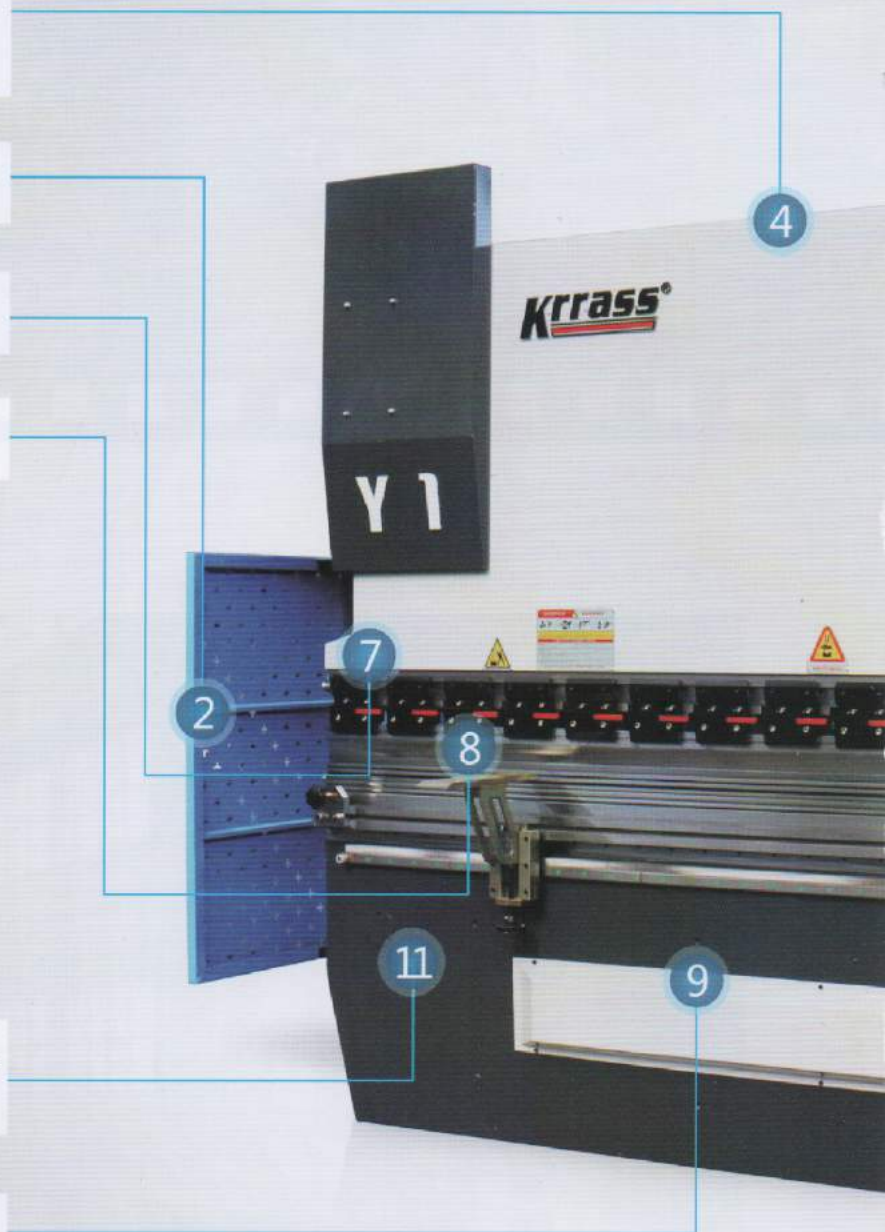
- > Quick Clamps

- > Front Support Arms

- > Overall Front Workbench & Machine Body Welding

- > V-axis Hydraulic Crowning

- > - Taiwan HIWIN Ball Screw
- > - Servo Motor Control X-axis
- > - Manually Adjust Z, R Axis
- > - Back Safety Guard





MB8 Series

Hydraulic CNC Press Brake

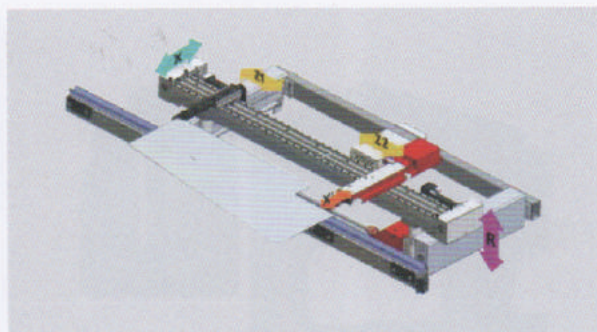
Y1, Y2, X+R (MANUAL)
AFFORDABLE, PRODUCTIVE



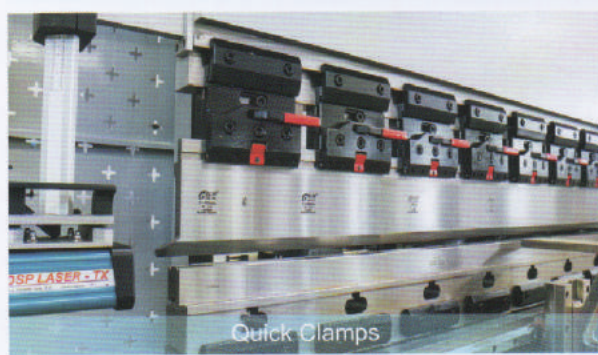
Standard Components:

- Schneider Electric – France
- Siemens Motor - Germany
- Servo Motor and Servo Drive - Estun
- KACON Foot Switch – South Korea
- MERKEL Sealing Ring - Germany
- HEIDENHAIN Grating Ruler– Germany
- FAGOR Grating Ruler- Spain
- Quick Clamps
- EMB Casing Tube - Germany
- Bosch Rexroth Valve Block
- Bosch Rexroth Oil Pump - Germany
- HIWIN Ball Screw, Linear Guide Rail, Back Stopper - Taiwan

4Axis Backgauge With Servo Motor(O)
 2Axis(X+R)
 3Axis(X1+X2+R)
 4Axis(X +R+Z1+Z2)
 5Axis(X1+X2+R+Z1+Z2)
 6Axis(X1+X2+R1+R2+Z1+Z2)
 Rapid and precise back gauge with servo motor
 improve the productivity and quality



STANDARD COMPONENTS



Quick Clamps



Movable Front Supports



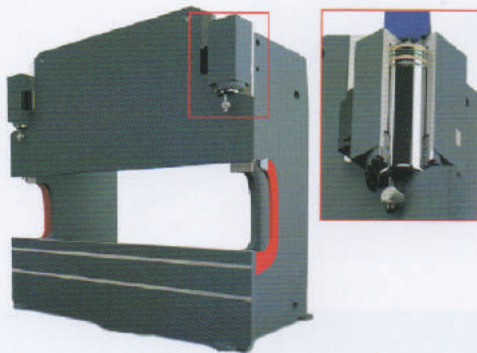
Servo Drive



Rexroth Oil Pump

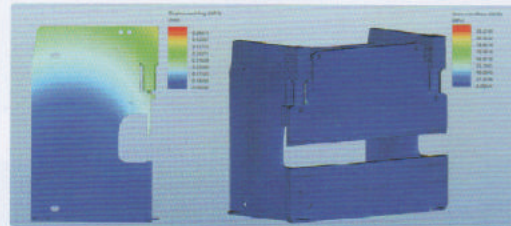


Taiwan HIWIN Ball Screw & Linear Guide Rail



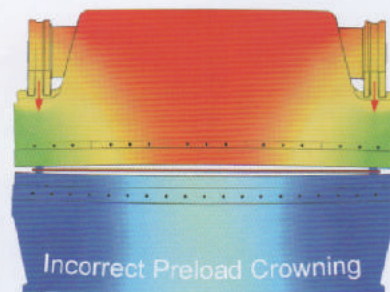
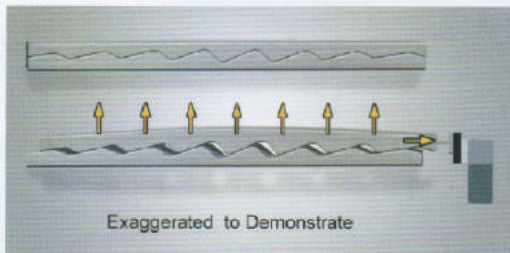
MAIN FEATURES

Dual hydraulic cylinders located on each side of the ram to provide faster approach speeds. The cylinders are synchronized to provide smooth motion to realize precise ram positions with accuracies of .0004"



CROWNING SYSTEMS

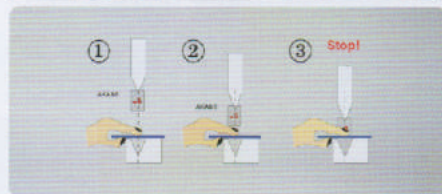
Manual and CNC crowning ensures a constant bend angle across the full length of the machine. This is achieved by preloading the machine, to offset any possible deflection under load or compensate for any tool wear, so that under load contacting surfaces are parallel to each other.



SAFETY SYSTEMS

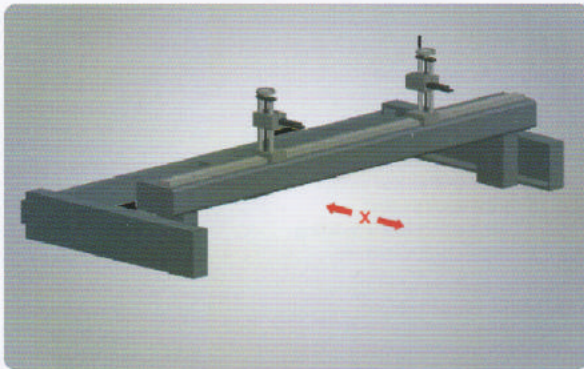
DFS1 LASER FINGER PROTECTION

The safety photoelectric device DFS LASER is a monoray barrier with visible laser emission that, integrated with a more general check system, contributes to the operator's protection.

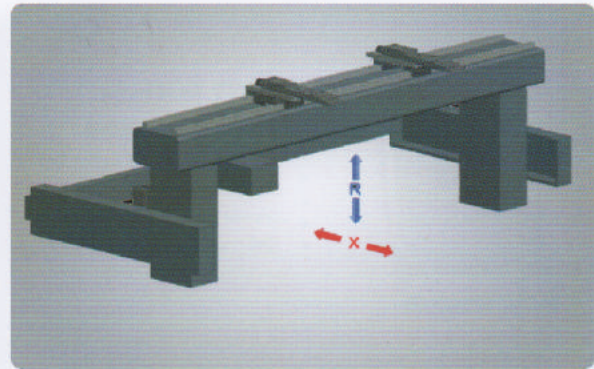


MOTORIZED F. AKAS III M

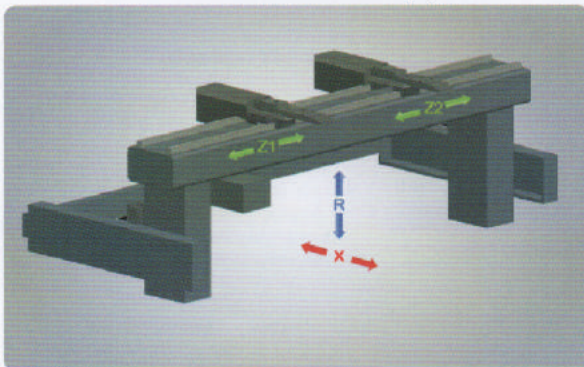
Optionally KRRASS can install an Akas motorized receiver-transmitter adjustment system. This system sets the height of the receiver and transmitter to accommodate punch changes automatically.



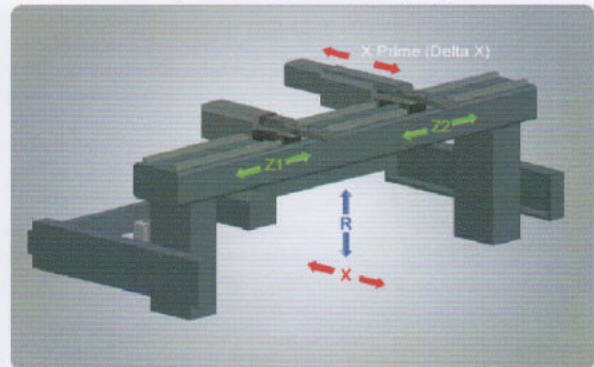
1 AXIS BACK GAUGE (X)



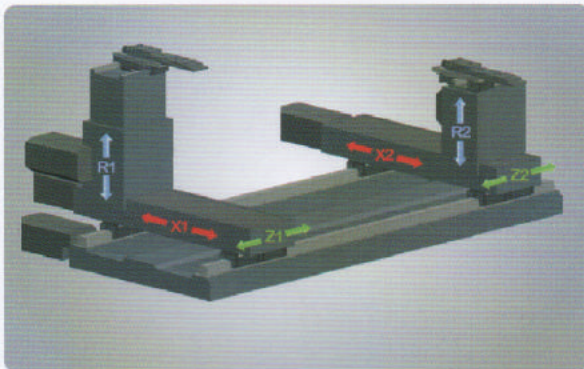
2 AXIS BACK GAUGE (X,R)



4 AXIS BACK GAUGE (X,R,Z1,Z2)



5 AXIS BACK GAUGE (X,R,Z1,Z2, X PRIME)



6 AXIS BACK GAUGE (X1,X2,R1,R2, Z1,Z2)



BACK GAUGE SYSTEMS

The correct back gauge for the application can have a substantial positive influence on production part volume and accuracy. The more intricate the parts, typically the more axes on the back gauge you should have. Volume of parts needs to be considered also. A smart, experienced brake press operator can bend, form and produce some very intricate parts without even a single axis back gauge. However, the more time it takes to form the correct part, the more costs you have in the part. So the best scenario would be to have an experienced operator with the correct back gauge system that will magnify their skills. But in today's market, smart, experienced Press Brake operators are getting hard to find. So the correct back gauge for the application will decrease costs per part by helping to make a good press operator, a great one. The less experience an operator is the more axes you should have. Also, experienced operators know the benefit of correct back gauge for applications. KRRASS is here to consult with you on your application requirements.



DA-53T features

- "Hot-key" touch navigation
- 10.1" high resolution colour TFT
- Up to 4 axes (Y1, Y2 + 2 aux. axes)
- Crowning control
- Tool / material / product library
- Servo and frequency inverter control
- Advanced Y-axis control algorithms for closed-loop as well as open-loop valves.
- TandemLink (option)
- USB memory stick interfacing
- Profile-T offline software



DA-66T features

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



DA-58T features

- 2D 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



ELGO P40 features

- Display
- LCD dot matrix 120 x 80 pixels with white background lighting
- Hardware
- 32 bit microcontroller with 1 MByte flash and 56 KByte RAM
- Program memory
- Up to 1.000 steps, more on request
- System accuracy
- ± 1 increment



Cybtouch6 features

- Large, vivid and high-contrast fully touch screen.
- Simple pages, clear display, large keys.
- Very simple single bends with EasyBend page.
- Complete programming allows efficient mass-production of parts with multiplebends.
- Online help and warning pop-ups make it a very user-friendly software.
- Available in many languages.
- Comfortable wireless software updating and data backup using PC or Notebook.



Cybtouch 12 features

- Large, vivid and high-contrast fully touchscreen.
- Simple pages, clear display, large keys.
- Intuitive user-friendly interface.
- Complete programming for efficient mass-production with multiple bends.
- Easy single bends with EasyBend page.
- On-line help and interactive warning pop-ups.
- Comfortable wireless data backup and software updating using PC or Notebook.
- Large variety of languages available.

Model	Bending Pressure (kn)	Bending Length (mm)	Column Distance (mm)	Throat Depth (mm)	Slider Stroke (mm)	Max Opening Height (mm)	X-axis Max Distance (mm)	Workpiece Linearity (mm/m)	Main Motor (kw)	Length*Width*Height (mm)	Weight (T)
63T/2500	630	2500	1900	350	170	380	500	≥ 0.3	5.5	3100*1450*2050	5.8
100T/3200	1000	3200	2700	400	200	420	500	≥ 0.3	7.5	3500*1580*2400	8.5
100T/4000	1000	4000	3500	400	200	420	500	≥ 0.3	7.5	4300*1580*2400	9.5
110T/3200	1100	3200	2700	400	200	420	500	≥ 0.3	7.5	3500*1580*2400	8.8
110T/4000	1100	4000	3500	400	200	420	500	≥ 0.3	7.5	4300*1580*2400	9.8
125T/3200	1250	3200	2700	400	200	420	500	≥ 0.3	11	3500*1580*2400	9.5
125T/4000	1250	4000	3500	400	200	420	500	≥ 0.3	11	4300*1580*2400	10.5
135T/3200	1350	3200	2700	400	200	420	500	≥ 0.3	11	3500*1580*2400	9.9
135T/4000	1300	4000	3500	400	200	420	500	≥ 0.3	11	4300*1580*2400	10.9
160T/3200	1600	3200	2700	400	200	420	500	≥ 0.3	11	3500*1650*2500	11
160T/4000	1600	4000	3500	400	200	420	500	≥ 0.3	11	4300*1650*2500	12
175T/3200	1750	3200	2700	400	200	420	500	≥ 0.3	11	3500*1650*2500	11
175T/4000	1750	4000	3500	400	200	420	500	≥ 0.3	11	4300*1650*2500	12
200T/3200	2000	3200	2700	400	200	420	500	≥ 0.3	15	3500*1680*2550	14
200T/4000	2000	4000	3500	400	200	420	500	≥ 0.3	15	4300*1680*2550	15
250T/3200	2500	3200	2700	400	200	420	500	≥ 0.3	15	3500*1700*2600	15.5
250T/4000	2500	4000	3500	400	200	420	500	≥ 0.3	15	4300*1700*2600	16.5
300T/3200	3000	3200	2700	400	200	420	500	≥ 0.3	22	3500*1800*2730	16.8
300T/4000	3000	4000	3500	400	200	420	500	≥ 0.3	22	4300*1800*2730	17.8
400T/4000	4000	4000	3500	400	320	420	500	≥ 0.3	30	4500*2450*3500	31
500T/6000	5000	5000	4900	500	320	600	800	≥ 0.3	37	6500*2810*4500	53
600T/6000	6000	6000	4900	500	320	600	800	≥ 0.3	45	6500*2910*5100	68
800T/6000	8000	6000	4900	600	400	600	800	≥ 0.3	55	6500*2950*5300	90
800T/8000	8000	8000	5900	600	400	600	800	≥ 0.3	55	8500*2950*5900	120
1000T/6000	10000	6000	4900	600	400	600	800	≥ 0.3	2*37	6500*3000*5600	100
1000T/8000	10000	8000	6900	600	400	600	800	≥ 0.3	2*37	8500*3000*6100	130
1000T/10000	10000	10000	8000	600	400	600	800	≥ 0.3	2*37	10500*3000*5850	150
1200T/6000	12000	6000	4900	600	400	800	1000	≥ 0.3	2*37	6500*3100*5850	130
1200T/7000	12000	7000	5900	600	400	800	1000	≥ 0.3	2*37	8500*3100*7150	160
1600T/6000	16000	6000	4900	600	400	800	1000	≥ 0.3	2*55	6500*3300*6500	150
1600T/7000	16000	7000	5900	600	400	800	1000	≥ 0.3	2*55	7200*3300*7000	170
1600T/8000	16000	8000	6900	600	400	800	1000	≥ 0.3	2*55	8500*3300*8000	190
1600T/10000	16000	10000	8000	600	400	800	1000	≥ 0.3	2*55	10500*3300*8000	210
2000T/8000	20000	8000	6200	600	400	800	1000	≥ 0.3	2*55	8500*3500*8000	260
2000T/10000	20000	10000	8000	600	400	800	1000	≥ 0.3	2*55	10500*3500*8300	290
2000T/12000	20000	12000	9050	600	400	800	1000	≥ 0.3	2*55	12500*3500*8300	320