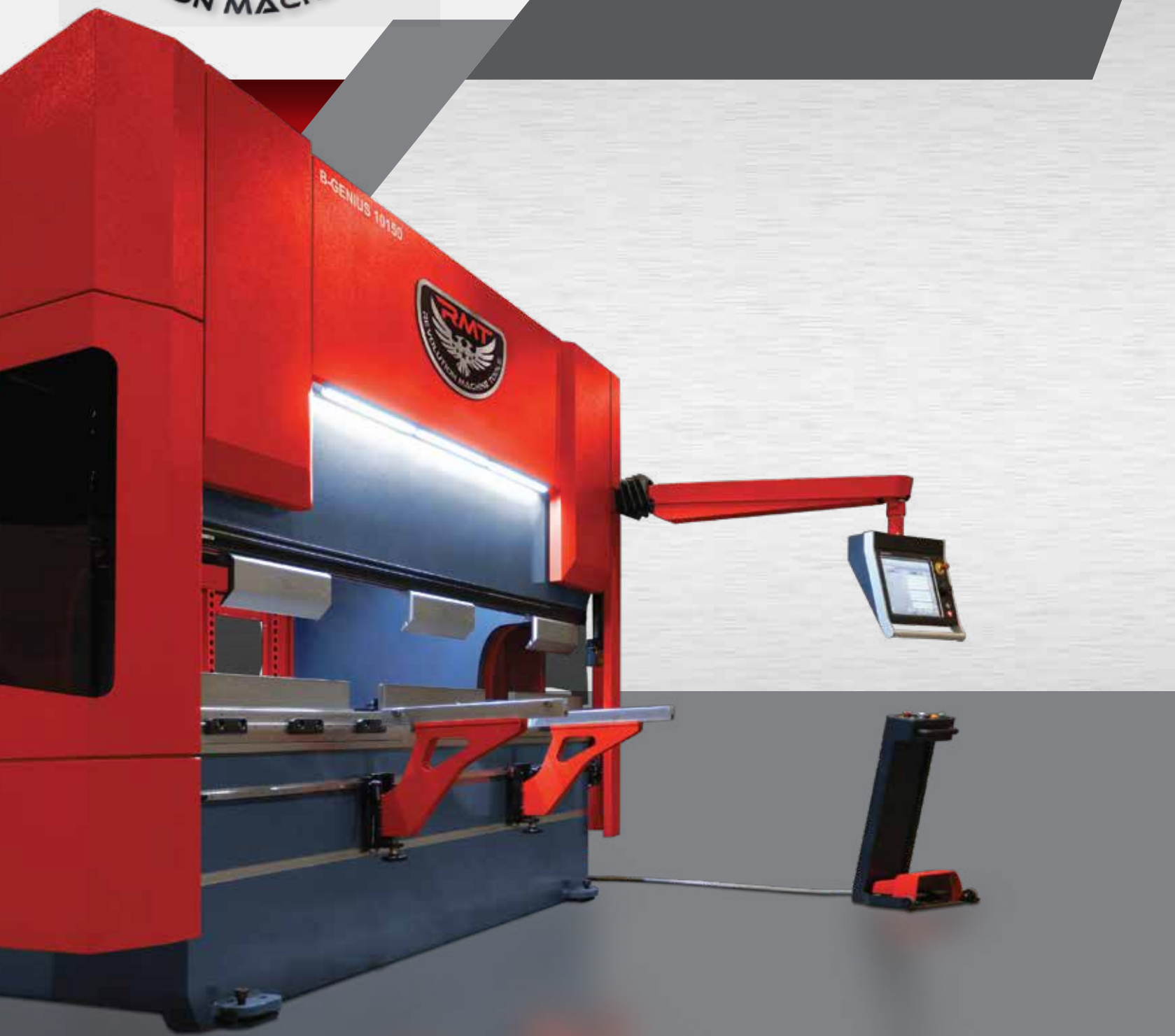
RMT
REVOLUTION MACHINE TOOLS

PRESS BRAKES



Some of the Revolution Machine Tools Team

ABOUT **REVOLUTION MACHINE TOOLS**

Revolution Machine Tools (RMT), founded by long time industry leader Kyle Jorgenson, is a metal fabrication machine tools company. RMT's design team has created the most innovative and precise tools in the North American market today. We are partners with leading manufacturers who build our designs to our stringent specifications in state of the art manufacturing facilities.

Kyle Jorgenson started in the Machine Tool industry working with his father, Roger Jorgenson, who founded Jorgenson Machine Tools in 1974. Roger taught Kyle how important relationships and customer service are, and Kyle has built his reputation on those principles. Revolution Machine Tools is supported by an ever expanding team of industry professionals, which include design, marketing, service and support, who have these same values and respect Kyle's vision. Together, they are creating a revolution in the Machine Tool industry.

RMT's main focus is in large cutting, forming, and rolling machines for the metal fabrication industry. RMT's research and development team has created the most innovative, fast, durable and accurate machines in the industry. Our machines are all backed by a strong warranty and an outstanding service team dedicated to keeping your machines operational. We understand the time value of money and how expensive downtime can be.

KYLE JORGENSON / President

RMT offers several innovative machines including Fiber Lasers, Press Brakes, Plate Rolls, Ironworkers, Angle Rolls, Shears, Structural Steel Drills, Band Saws, and much more. All RMT product designs are built for durability, precision, repeatability, and speed.

PRE-SALE CONSULTATION

RMT's commitment to service begins with our site assessment consultation. Before we even discuss purchasing equipment we make an assessment of your production area to determine whether the equipment will work well in your manufacturing environment. We look at where the equipment will be placed on the production floor, how it will be brought into the facility, and even ways to make the disposal of scrap and waste easier to remove. We will also recommend the proper installation of our equipment, or we can even come install it for you. More importantly, we can verify adequate electrical, pneumatic or hydraulic requirements and we look at the surrounding equipment to assess if there are any electro-magnetic or vibration interference issues.

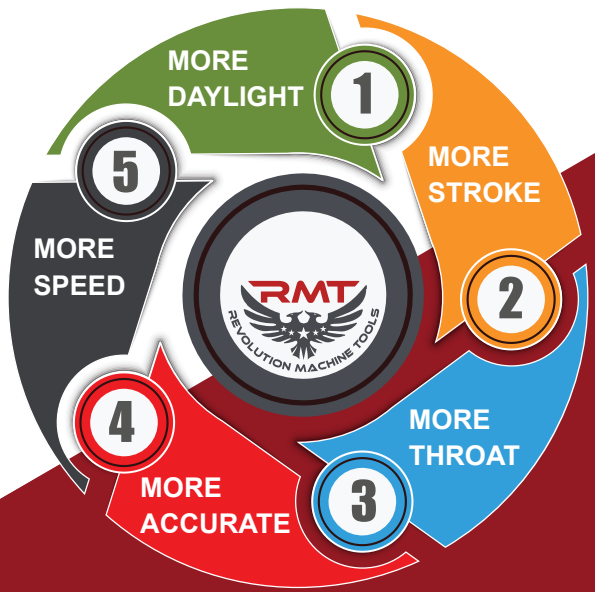
We take pleasure in helping our customers to be successful.
Many of our customers have become lifelong friends which has carried over through several generations.

BENEFITS OF **RMT PRESS BRAKES**

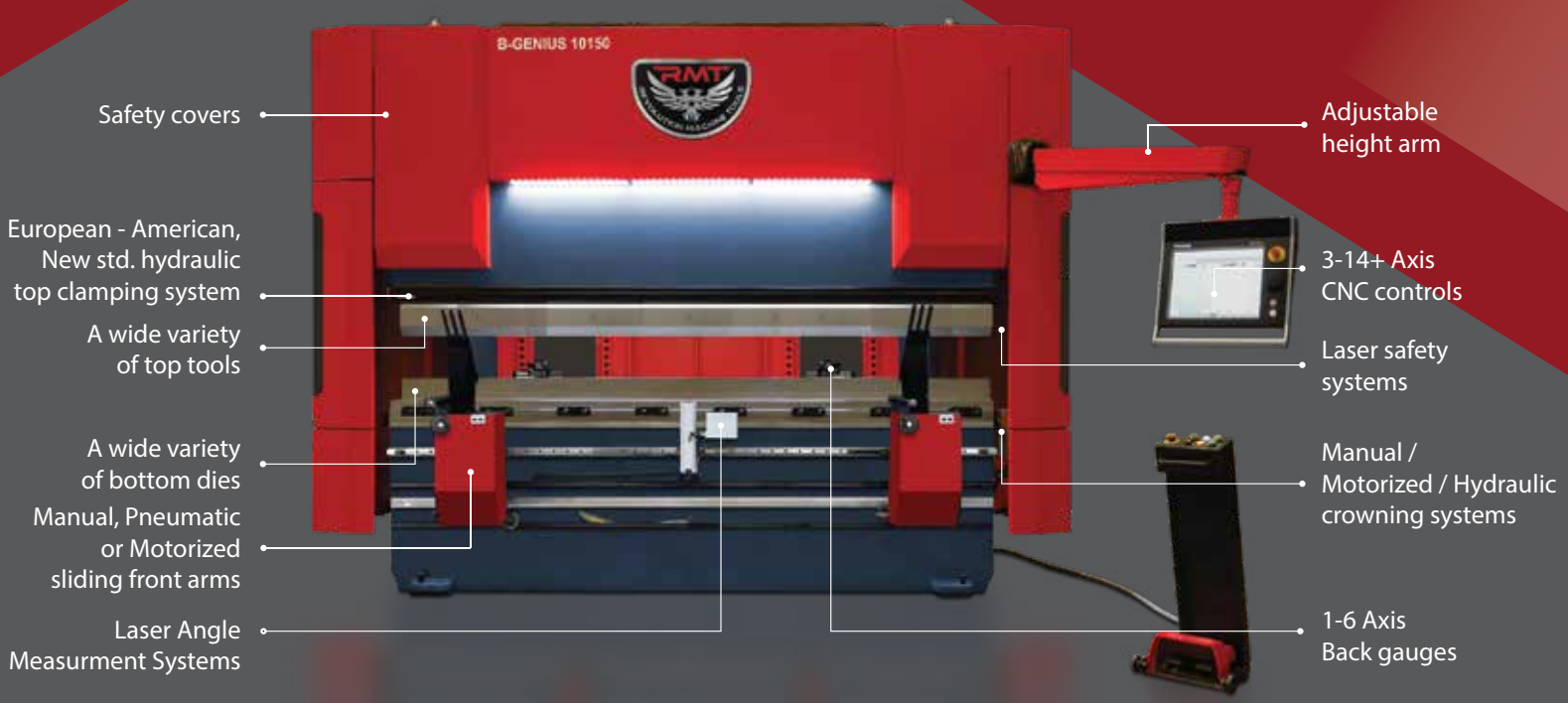
What better benefit can a machine provide than adding to your bottom line. RMT press brakes do this by helping you produce higher quality parts faster than ever and all with lower operating and maintenance costs. RMT has a press brake to match your needs and budget whether your application requires bending complex parts or simple shapes. RMT press brakes have been designed to be precise, reliable, and high performing with easy operation. We have a solution for every manufacturing environment and offer several models of press brakes with multiple features and options. Each of our press brake models have a variety of lengths and tonnages and can be customized to your requirements.

All RMT press brakes have been designed for high performance and enhanced with five main innovations to increase your productivity while decreasing your cost per part including:

1) A rigid mono-block frame constructed from mill certified high-yield steel for dependable performance;
2) Quality precision ram positioning accurate to within 0.0004 inch provided by dual cylinders and rams for stable ram motion;
3) A deeper throat allows you to use the full length of the machine to form more parts;
4) The increased daylight opening accommodates a larger range of parts;
5) More stroke length which provides additional flexibility and versatility.



We have many solutions available, or we can configure a machine tto perfectly match your needs.



B-ECO SERIES

Standard 3 Axis CNC
4' - 5' Bending Lengths · 33, 44, 66, 88 Tons

Working on small or fine parts? Our B-ECO series brakes were made to work on small parts with low operation costs. The B-ECO series have some of the same capabilities as our larger series brakes like syncro CNC three axis control.
See pages 35-36.

B-SMART SERIES

Standard 3 Axis CNC (Y1,Y2,X) up to 5 Axis
6' - 20' Bending Lengths / 70-500 Tons
Tandem Applications
(for example, 2 x 20' = 40' bending capability)
Flush floor machines to 20' x 500 Ton

The B-Smart Series press brakes have larger daylight, throat depth and stroke for more cost effective production and versatility.
See pages 37-40.

B-GENIUS SERIES

Standard 5 Axis CNC Available 14+ Axis
6' - 20' Bending Lengths / 70-500 Tons
Tandem / Trio / Quad Applications
Flush Floor Machines to 20' x 500 Ton
The B-Genius Series press brake features an automatic CNC crowning system for improved quality, a servo driven back gauge system for increased speeds, and a 3D capable graphical control unit to simulate bending sequences and collision points.
See pages 41-44.

Features	B-ECO	B-SMART	B-GENIUS
Tonnage Range	33-88	67-500	67-500
Bending Length Range	4′ - 5′	6′ - 20′	6′ - 20′
Custom Lengths and Tonnages	N/A	O	O
Recommended Air Bending Sheet Metal Thickness Range	16 Ga - 1/4″	24 Ga - 5/8″	24 Ga - 5/8″
Obtainable Production Tolerances			
Medium			
Fine			
Part Geometries (without experienced operator)			
Simple			
Moderate			
Complex			
Production Speed			
Medium			
High			
Controls			
Tandem-Trio-Quad configurations	N/A	O	O
DELEM DA-52S	S	S	N/A
DELEM DA-56S Graphical	O	O	N/A
DELEM DA-66T Graphical Touchscreen	N/A	N/A	S
DELEM DA-69T 3D Graphical Touchscreen	N/A	N/A	O
Cybelec CNC Controls	O	O	O
Adjustable height suspension control unit arm	N/A	S	S
Offline Software			
Profile W Offline Software for DA-56S	O	O	N/A
Profile T Offline Software for Delem 66T 69T	N/A	N/A	O
Radbend Offline Software	N/A	N/A	O
Part Measurement Systems			
Angle Measurement	N/A	N/A	O
Part-Material Thickness Detection	N/A	N/A	O
Laser Bend Line			
Laser Bend Line	N/A	O	O
Additional Foot Pedals			
Additional foot Pedals	N/A	O	O
Horn			
29″ + Horn left or Right Side	N/A	O	O
Throat Depth			
Optional Additional Throat Height and Depth to 60″	N/A	O	O
Open Height			
Additional Open Height above Standard Height	N/A	O	O
Stroke			
Additional Stroke Length above Standard length	N/A	O	O
Robotic Systems			
Robotic Prep - Systems	N/A	N/A	O
Special Color			
Special Colour	O	O	O
Air Conditioning			
Air Conditioning for Electrical panel	O	O	O
Back Gauge			
1 Axis Back Gauge X Axis	S	S	N/A
2 Axis Back Gauge X,R Axis	O	O	S
4 Axis Back Gauge X,R,Z1,Z2 Axis	N/A	N/A	O
5 Axis Back Gauge X,R,Z1,Z2 + X Prime +/- 5″ Axis	N/A	N/A	O
6 Axis Back Gauge X1,X2,R1,R2,Z1,Z2, Axis	N/A	N/A	O
Custom Back Gauge Fingers	O	O	O
Back Gauge Support Systems (For Material-Parts)	O	O	O
Increased X Axis Back Gauge Travel to 40″ with Safety Light Barrier	N/A	O	O
Double guide rail backgauge system	N/A	S	S
Increased Back Gauge Travel-To Customers Requirement	N/A	O	O
Crowning			
Manual Crowning	O	S	N/A
CNC controlled motorized Crowning	N/A	O	S
CNC controlled Hydromechanical Crowning	N/A	N/A	N/A
Safety Systems			
Laser Finger protection	S	N/A	N/A
MANUAL F. AKAS II M	O	S	S
MOTORIZED F. AKAS III M	N/A	N/A	O
SICK C4000 Light Curtain Systems	O	O	O

S = Standard / O = Option / N/A = Not Applicable

Hydraulic Oil Included in machines up to 250 Ton machines

Features		B-ECO	B-SMART	B-GENIUS
Sheet Followers	Sheet follower with sliding guide- With Motorised height adj. 275 lbs Each	N/A	N/A	O
	Sheet follower with sliding guide- With Motorised height adj. 550 lbs Each	N/A	N/A	O
	Hydraulic heavy duty type front arms	N/A	N/A	O
	Parking Station for Front support arms or Sheet Followers	N/A	N/A	O
Front Support Arms	Front support Arms	S	N/A	N/A
	Multiple Sliding Front Arms with T-Slot , Tilting stop and full length linear guide	O	S	S
Feeding Systems	F1-F2 Front feeding system with supports	N/A	N/A	O
	F1-F2 Front feeding system with supports + System for Light Poles	N/A	N/A	O
	X1 -X2 Axes with 50" + Travel (light pole)	N/A	N/A	O
Loading Systems	Feeding Automation - Conveyor systems- Cranes- Loaders	N/A	N/A	O
Extraction Systems	Part Removal- Extraction systems	N/A	N/A	O
Top Tools	RMT Common Precision Ground, 3.78" Tall Full Length Segmented American Goose Neck Punch	O	S	S
	Common Precision European Style Punch (Option- No Charge, if Traded for American Punch)	S	O	O
	Top "Punch" Tooling Common- Special Application (Infinite Possibilites)	O	O	O
Top Tool Clamping	Section Clamps with localized height adj. max load 30 Tons per foot (up to 250 Ton)	O	S	S
	Section Clamps with localized height adj. max load 53 Tons per foot (350+ Ton)	N/A	S	S
	Manual Quick Release Section Clamps	O	O	O
	Manual-Mechanical Wila Top - NSCL-I-MC/UPB - PRO Max Load 60 Tons per Foot	N/A	O	O
	Hydraulic Wila Top - NSCL-I-HC/UPB - PRO Max Load 60 Tons per Foot	N/A	O	O
	Hydraulic Wila Top - NSCL-II-HC/UPB - PREMIUM Max Load 84 Tons per Foot	N/A	O	O
	RMT Top Clamping - Max Load 120 Tons per Foot	N/A	N/A	O
	RMT Top Clamping - Hydraulic - Roller Type- Max Load 134 + Tons per Foot	N/A	N/A	O
	Wila HYD Standard 'HD" Heavy Duty Clamping Max Load-Head load 84, Shoulder Load 269 Tons per Foot	N/A	N/A	O
Bed Cap	Change from Standard Bed Cap- Wider or Narrower	O	O	O
Bottom Tools	RMT 4 Way Die (2.36" Square) with 4V Die 85° with 5/8", 7/8", 1-3/8",2" Openings	O	S	S
	Full Length Multi V Die Block with Hardened radius shoulders	S	O	O
	Manual Adjustable V Die with opening from 1.18" to 14" - with roller Radius shoulders	N/A	N/A	O
	CNC Adjustable V Die with opening from 1.18" to 14" - with roller Radius shoulders	N/A	N/A	O
	Bottom Tools Common Stock - to Special Application (Infinite Possibilites)	O	O	O
Die Block-Holder	RMT Universal Die block/rail flat bottom, Accepts 2.36" (60mm) Square 4 Way, + has Slot for American or New Standard Single V Dies	O	S	S
	Full Length European Style U Type Flat bottom Die Block 60mm (2.36" wide opening)	O	O	O
	Full Length Die Block, from Common stock to Custom's (Infinite Possibilites)	O	O	O
Bottom Tool Clamp Systems	Wila Manual MC Bottom - NSCR-I-MC-CNC/UPB - PRO- Max load 67 Tons per Foot	N/A	O	O
	Wila Hydraulic MC Bottom - NSCR-I-HC-CNC/UPB - PRO- Max load 67 Tons per Foot	N/A	O	O
	Wila Hydraulic Bottom - NSCR-II-HC-CNC/UPB-PREMIUM - Max load 100 Tons per Foot	N/A	N/A	O
	Wila Hydraulic Bottom -Clamp- HD Pro-Max Load 168 Tons Per Foot - HD Premium 269 Tons Per Foot	N/A	N/A	O
Tool Positioning systems	Pneumatic bottom Tool positioning systems	N/A	N/A	O
	Hydraulic bottom Tool positioning - Separation systems	N/A	N/A	O
Powerpack for Hyd. Clamping	Powerpack for all Hyd. Clamping	N/A	N/A	O

Press Brake Bending Tonnage Chart (tons per ft. of bend @ specific die opening / radius)

THICKNESS		WIDTH OF LOWER DIE OPENING																				
Gauge	Inches	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4	5	6	7	8	10
20	.036	3.1	2.3	1.8	1.4	1.2	1.0																
18	.048	5.4	4.0	3.1	2.5	2.2	1.7	1.3			Shaded box represents the OPTIMUM lower die opening / radius for given thickness.												
16	.060	9.6	7.1	5.6	4.5	3.8	2.8	2.2	1.8	1.5													
14	.075		11.9	9.3	7.6	6.4	4.7	3.8	3.0	2.5	2.1	1.9											
13	.090						6.8	5.5	4.3	3.7	3.3	2.9			Values are based on Mild Steel, AIR bent to 90 Degrees.								
12	.105			20.5	16.7	13.5	10.4	7.7	6.5	5.6	4.4	4.1	3.2	2.2									
11	.120					18.5	13.9	10.9	8.8	7.5	6.2	5.6	4.3	3.2	2.2								
10	.135					25.2	17.2	14.5	11.3	9.9	8.5	7.3	5.7	4.0	2.9	2.3							
9	.150									13.1	11.9	9.0	7.0	5.2	3.7								
3/16	.188							27.4	23.1	19.3	16.4	14.3	11.2	7.6	5.8	4.5							
1/4	.250									39.4	33.3	29.5	22.7	15.4	11.5	9.1	7.5	6.2					
5/16	.313		Tonnage adjustment for materials OTHER than Mild Steel:									50.4	39.8	27.0	19.7	16.0	12.7	10.6	7.7				
3/8	.375		Soft Aluminum & Brass = 50% LESS pressure than Mild Steel										61.1	42.3	30.9	24.0	19.6	16.3	12.3	9.5			
7/16	.437		Aluminum Alloys and/or Heat Treated Aluminum = Same as Steel											61.7	45.8	35.4	28.6	24.4	17.3	14.8	11.2		
1/2	.500		Stainless Steel = 50% MORE pressure than Mild Steel											85.2	63.6	48.8	39.7	33.3	24.6	19.4	15.9	13.1	
5/8	.625														110.0	86.2	70.0	58.3	43.1	33.3	27.4	23.3	16.9
3/4	.750																110.0	93.0	69.0	53.5	43.6	36.5	27.1
7/8	.875																	137.0	104.0	80.7	64.6	52.9	39.7
1	1.00																		143.0	113.0	91.2	76.2	56.3
Formed Radius		1/32	3/64	1/16	5/64	5/64	3/32	1/8	9/64	5/32	11/64	3/16	15/64	5/16	25/64	15/32	25/64	5/8	25/32	15/16	1-3/32	1-1/4	1-9/16
Min. Flange Dim.		3/16	7/32	1/4	9/32	5/16	7/16	1/2	5/16	5/8	11/16	3/4	15/64	1-3/16	1-7/16	1-3/4	2	2-1/4	2-3/4	3-3/8	4	4-1/2	5-1/2

ENLARGED WORKING SPACE

The RMT press brake has oversized openings, throat, and stroke to assist with the production of large parts and provides clearance when bending parts with large flanges.

RAM GUIDING & POSITIONING

The ram is guided by four slideways. There are two inner slideways located above the ram and two outer slideways located at the bottom. The ram is also tiltable for conic bending applications. Slide location allows for easy adjustment and maintenance.
The high precision linear encoders control the position of the ram.

HYDRAULIC SYSTEM

Hydraulic proportional direction and pressure control valves (Hoerbiger) determine the position of the ram. Safety valves protect against overloads and high pressure and can warn the operator or even stop the machine.

Y1-Y2 RAM POSITIONING SYSTEM

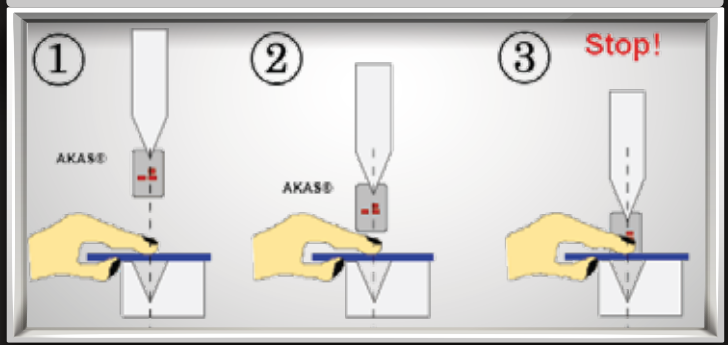
The Ram positioning system consists of independently controlled cylinders and linear encoders which are attached on each side of the sub frame and automatically compensates for any yaw. The servo hydraulic valves, the CNC command center and the linear encoders provide accessibility to program the position, speed, and tilt as well as superior accuracy. The programmability of this system along with custom decompression point and programmable speed is very helpful when bending large sheets.

MANUAL F. AKAS II M

Point of operation safety is the responsibility of the owner and operators. RMT machines can be equipped with ram-mounted AKAS-LC Safety Light Guards which are located at the bend level and centered around the location of the punch tip. The laser system is fixed to the ram and follows the ram or punch tip allowing for a continuous safety light grid allowing for maximum safety without interfering with workflow.

MOTORIZED F. AKAS III M

An Akas motorized receiver-transmitter adjustment system can be installed on your machine which is adjustable to set the height of the receiver and transmitter to allow for punch changes and will automatically reset after different punch dimensions are installed.



CONTROL SYSTEMS

DELEM DA-52S

The compact DA-52S is a complete CNC solution for Y1-Y2 synchronised press brakes. The panel based control, capable of controlling up to 4 axes, can be integrated in cabinets as well as in an optional pendulant arm housing. Equipped with the Delem userfriendly interface, the DA-52S provides all main press brake functionality. The unique 'hotkey' navigation gives
direct access to the programs in memory and enables quick and easy programming of a product.
All common bend parameters are located on one page. For advanced parameters an additional page can be selected. Angle programming of the Y-axis, crowning function and pressure control are standard on board.
USB interfacing enables the use of memory sticks as a fast product and tool backup medium.

Features of the Delem DA-52S Control Unit

- Quick, one page programming
- Hotkey navigation
- 7" widescreen color TFT
- Up to 4 axes (Y1, Y2, and 2 auxiliary axes)
- Crowning control
- Tool/material/product library
- USB, peripheral interfacing
- Advanced Y-axis control algorithms for closed loop as well as open loop valves
- Panel based controller with optional housing

Standard
- Synchronised / conventional press brake control
- Color LCD display
- 7" widescreen TFT
- LED backlight
- 266 MHz processor
- Short travel keyboard technology
- Memory capacity 64 MB
- Tool library
- 30 punches
- 30 dies
- Data backup / restore via USB
- Power-down memorisation
- Integrated valve amplifier

Programming
- 7 digits program number
- 20 character drawing number
- Stock counter (up to 9999)
- Step repetition (up to 99)
- Millimeter / Inch
- One page programming table
- 'Teach-in' on all axes
- Radius programming (bumping)
- Programmable axis speed per step
- Programmable material properties
- 30 punches

Computed
- Tooling safety zones
- Press force
- Bend allowance
- Crowning adjustment
- Bottoming force
- Angle correction database

DELEM DA-56S

The compact DA-56S provides easy CNC programming with the Delem 2D graphical product design tool. Machine adjustment and test bends are reduced to a minimum because of the quick and easy to use bend sequence determination tool.

The CNC program is generated with a one touch key stroke. You are ready to make the first part since all axes positions are automatically computed and the bend sequence has already been simulated on the screen with the machine and tools in real scale.
In the production mode of the DA- 56S the operator can graphically simulate the bend process of the product guiding him during the press brake operation.

The basic machine control functions are Y1-Y2 and X axis, a second back gauge axis can be used as R/Z or X2 axis. Also the crowning function is standard.

Features of the Delem DA-56S Control Unit

- 2D graphical programming
- 10.4" LCD TFT color display
- Bend sequence determination
- Developed length calculation
- Crowning control
- USB peripheral interfacing
- Servo, frequency inverter and AC control
- Advanced Y-axis control algorithms for closed-loop as well as open-loop valves.

Standard
- Synchronised / conventional press brake control
- Color LCD display
- LED backlight
- 10.4" TFT, 800x600
- 500 MHz processor
- Short travel keyboard technology
- Memory capacity 256 MB
- Tool library
- 30 punches
- 60 dies
- Data backup / restore via USB
- Power-down memorisation
- Integrated valve amplifier

Programming
- 7 digit program number
- 20 character drawing number
- Stock counter (up to 9999)
- Step repetition (up to 99)
- Millimeter / Inch
- Programmable axis speed per step
- Programmable material properties
- 2D product programming and visualization
- Graphical bend sequence determination
- Fast collision check
- Free programmable tools
- Graphical tool programming
- Radius programming (bumping)

Computed
- Tooling safety zones
- Press force
- Bend allowance
- Crowning adjustment
- Bottoming force
- Angle correction database
- Developed length
- Auto bumping calculation

DELEM DA-66T / 69T

The new generation DA-Touch controls offer an even higher grade of efficiency in programming, operation and control of today's press brakes. Ease of use combined with state-of-the-art technology go hand in hand, improving productivity. The touch screen gives access to the proven Delem user-interface and enables direct navigation between programming and production. Functions are directly located where you need them, offering optimised ergonomics throughout the application.

The DA-66T offers 2D programming that includes automatic bend sequence calculation and collision detection. Full 3D machine set-up with multiple tool stations giving true feedback on the product feasibility and handling.

The DA-69T offers 2D as well as 3D programming that includes automatic bend sequence calculation and collision detection. Full 3D machine set-up with multiple tool stations giving true feedback on the product feasibility and handling.

Highly effective control algorithms optimise the machine cycle and minimise set-up time. This makes using press brakes easier, more efficient and more versatile then ever.

The OEM-panel located above the screen, reserved for machine functions and OEM application switches, is integrated in the design and can be used depending on the required application.

Features of the Delem DA-66T / 69T Control Unit

- 2D graphical touch screen programming mode
- 3D and 2D graphical touch screen programming mode (DELEM DA-69T)
- 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
- Open system architecture
- Sensor bending & correction interface

Standard

- Color LCD display
- 17" TFT, high brightness
- 1280 x 1024 pixels, 32 bit colour
- Full touch screen control (IR-touch)
- Storage capacity 1 GB
- Storage capacity 2 GB (DELEM DA-69T)
- 3D graphics acceleration
- Standard Windows® networking
- Emergency switch
- Integrated OEM-panel
- USB flash memory drive

Field option

- Part support control
- X1-X2 angle programming
- Barcode reader interfacing
- Protractor interfacing
- Frame deflection compensation
- Sensor bending & correction interfacing
- Sheet thickness measurement and compensation system

DELEM DA-66T

DELEM DA-69T

General
- Real-time embedded Windows® OS
- Multitasking environment
- Instant Shut Off
- Delem Modusys compatible

Electrical / interfacing
- Power supply: 24V
- Modusys HSB bus
- RS232 port (2x)
- Network interface (100Mb/10Mb)
- USB port (2x)
- SafetyPLC interfacing
- Protractor interfacing
- Angle control interfacing

Control
- Servo- / 2 speed AC control
- Unipolar / frequency inverter control
- Direct pressure valve control
- Direct proportional valve Y1, Y2 control
- Direct crowning control
- Multiple digital function outputs
- Tandem operation

Programming
- Alphanumeric product naming
- Real-scale product programming and visualisation
- 2D/3D real-scale product programming and visualisation (DELEM DA-69T)
- Automatic bend sequence calculation
- Automatic bend sequence calculation in 2D and 3D (DELEM DA-69T)
- Easy graphical bend sequence swap and move
- Hemmed products programming
- One page programming table
- Graphical product and tool selection
- Programmable material properties
- Programmable axis speed
- Free material programming
- Product & tool search filter
- Millimeters/Inches, kN/Ton selection
- Stock counter
- Product notes

Tooling
- Graphical tool configuration
- Multiple tool station set-ups
- Tool segmentation visualisation
- Alphanumeric tool identification
- Free graphical tool programming
- Hemming tools
- Radius tools
- Tool adapter support

Computed
- Tooling safety zones
- Press force
- Bend allowance
- Crowning adjustment
- Developed length
- Bottoming force
- Hemming force
- Auto bumping calculation
- Radius programming
- Bend allowance table
- Learned angle correction database

Miscellaneous
- 'Teach-in' on all axes
- Handwheel movement of all axes
- Operator selectable dialogue languages
- Integrated help functions
- Error messaging system
- Diagnostic program
- Internet Explorer (web browser)
- Remote diagnosis
- User specific applications support
- Machine time + stroke counter
- On board Analysis Tool
- Sequencer functionality (PLC)

SOFTWARE

RADAN RADBEND OFFLINE SOFTWARE (OPTIONAL)

Radbend from Radan is the comprehensive offline programming solution for press brakes. Completely integrated with Radan3D it also provides a full 3D simulation of the bending process.

Features at a glance:

User-defined bend allowances

Flexible design changes including material thickness

Automatic, associative drawing elevations

Associative 2D dimensioning on drawing elevations and flat blanks

An integrated component of Radan

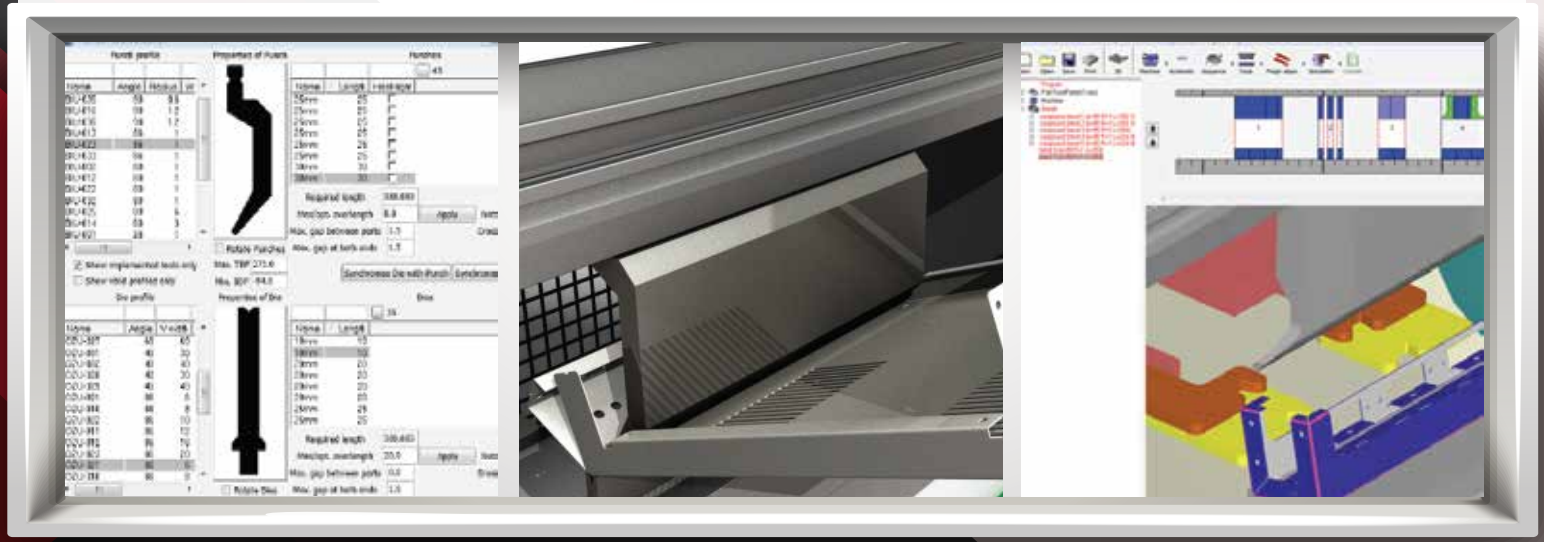
The software is specifically focused on the rapid creation and modification of 3D sheet metal parts and assemblies. The system understands the attributes of sheet metal and utilises user-definable parameters for precise automatic unfolding.

Based on the ACIS solid modelling kernel and employing modern parametric techniques, it provides design flexibility, and a unique 2D-to-3D method of creating 3D objects.

In addition, Radan 3D allows the import of a range of file formats, including Inventor, Solidworks, Catia V4 & V5, SAT, IGES, STEP and Parasolid, as well as the creation of assemblies in the 3D environment.

The Radan 3D model can be updated with manufacturing information such as expected radius and setback values, from Radbend, Radan's offline programming solution

With Radbend you will be able to select the most tools to bend the part correctly. The program will run a full 3D simulation of the bending process detecting any problems or potential collisions. The software will also automatically position finger stops against every valid face requiring fingerstops and provide you with feedback, on the expected radius, press depth, etc.



DELEM PROFILE T OFFLINE SOFTWARE (OPTIONAL)

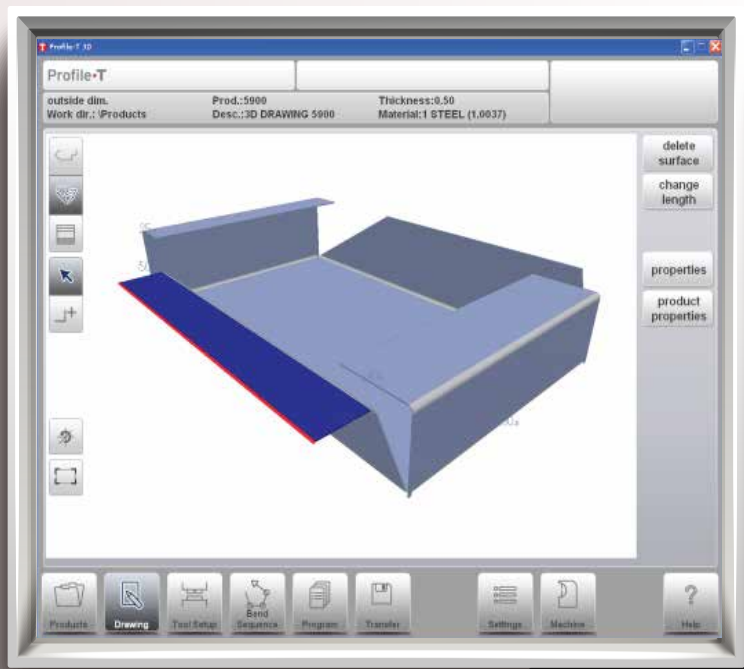
Maximize your machine efficiency and production output by taking your press brake programming offline with Delem's most innovative software, Profile T.

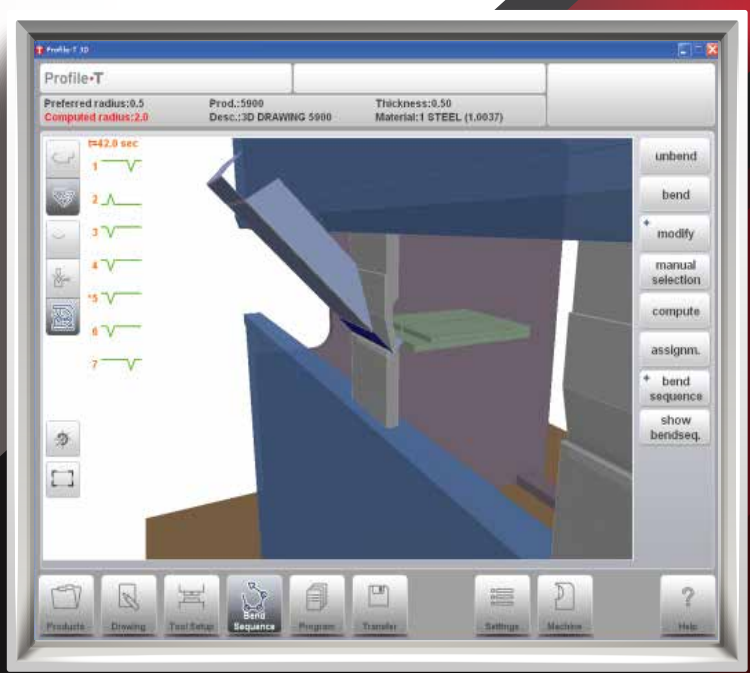
Production preparation, makeability and tooling verification, operator training, adding notes for production and many other functions can be carried out offline using Profile T.

The Profile-T software offers advanced programming in 2D/3D in line with the DA-Touch controller software.
Programming the product graphically shows a true scale representation of the intended product. Realistic product visualisation gives feedback on feasibility, collisions, required tools and tool adapters for production.

Profile T Features:

- Full scale offline programming
- Graphical product programming and bend sequence generation
- Feasibility studies and production preparation
- 2D/3D automatic bend sequence calculation
- Collision detection
- Product sharing over Windows networking with press brake CNC
- Machine setup preparation including print functionality
- Production time calculation





CROWNING SYSTEMS

To confirm a constant bend angle, pre-load the machine with manual or CNC crowning which will offset potential deviations and allow for possible tooling wear to maintain parallel contacting surfaces. CNC crowning systems allow the press brake control to be pre-programmed with machine characteristics and deflection data. Manual crowning requires the simple development of a chart or spreadsheet for each new application. Varying properties in material can cause different outcomes and calculations/setting may need to be adjusted accordingly.

MANUAL CROWNING

Standard on B-SMART

CNC MOTORIZED CROWNING

Standard on B-GENIUS, Optional on B-SMART

SLIDING FRONT ARMS

The sliding front support arms are mounted with a ball bearing system and linear guides to allow for effortless lateral and quick and easy vertical adjustments.

CNC SHEET FOLLOWERS

This feature allows for quicker and safer part production through continuous synchronized support throughout the bending process and also helps prevent back bending.

BACKGAUGE SYSTEMS

Establishing the right back gauge for your projects will allow for increased part production and precision. From intricate parts which typically require more axes to large quantities that require more time and therefore increased cost, the correct back gauge for each job is essential to lowering costs per part which ultimately benefits your bottom line. RMT technicians are happy to assist you with any questions you may have on your project requirements.

1 AXIS BACK GAUGE (X)

1 AXIS BACK GAUGE

The CNC 1 Axis back gauge is standard on all B-Eco and B-Smart press brakes. With a 1 Axis Back Gauge the X Axis is motorized and CNC controlled and the R Axis has manually adjustable height to control the finger block.

The finger depth (X Axis) is calculated by a motorized CNC controller and includes a retraction feature to eliminate collision incidents. The back gauge fingers are easily adjustable for calibration and can also be moved manually and fixed in place. The R1, R2, Z1, Z2 axes can also be adjusted manually and secured in place.

2 AXIS BACK GAUGE (X,R)

2 AXIS BACK GAUGE

The CNC 2 Axis back gauge comes standard on the B-Genius line of press brakes and is an option that can be added to a B-Eco or B-Smart series press brake. The 2 Axis back gauge is CNC controlled to adjust the X (depth) and R (height) axes to ensure your material is accurately positioned for a high quality finished product.

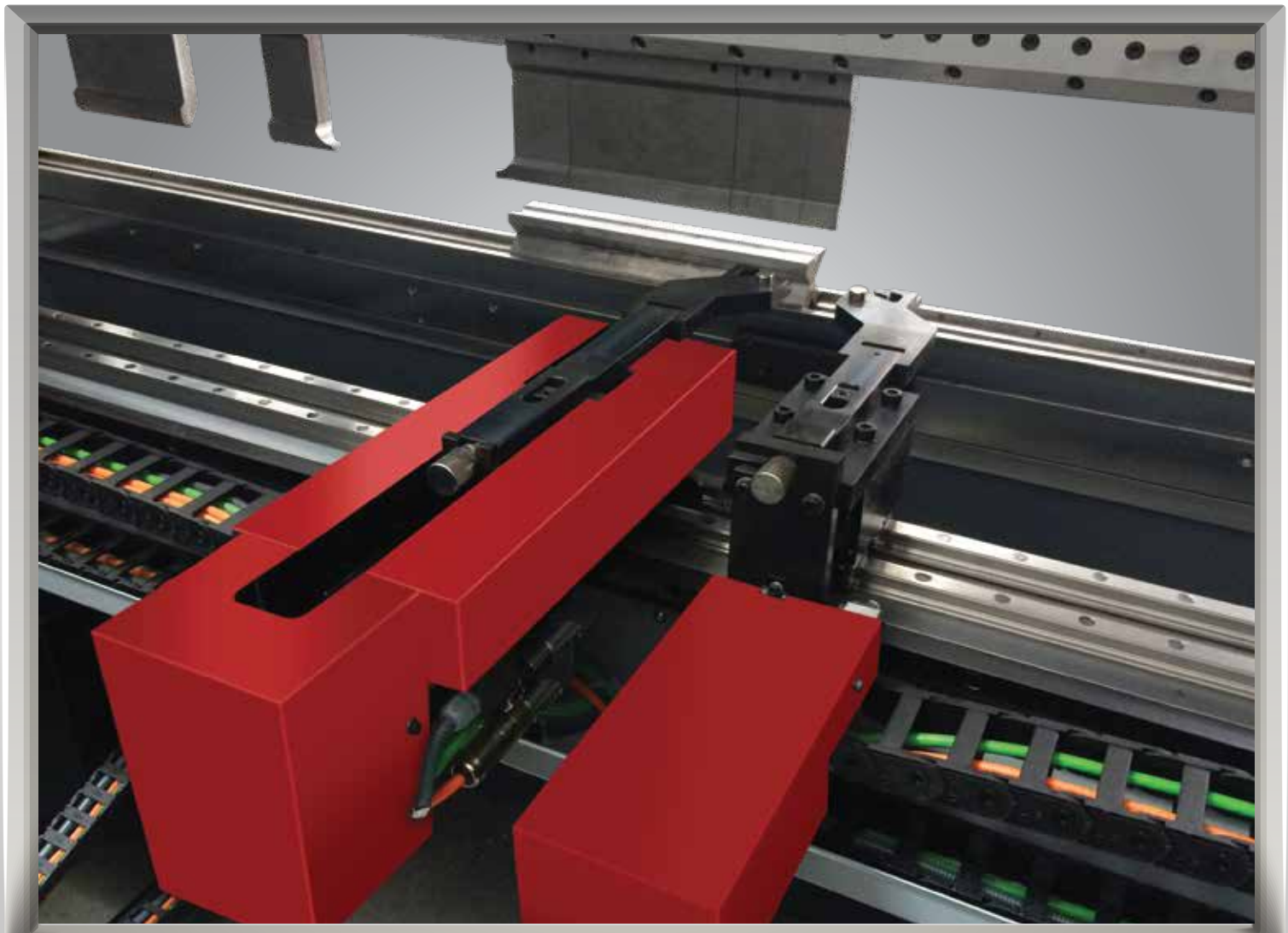
By using Mitsubishi servo motors and drives along with HIWIN ball screws or HIWIN or Rexroth linear rails, you can program X axis speeds up to 1200 IPM with an accuracy of .0004".

Automatic Column Type Straight Cutting Bandsaw

4 AXIS BACK GAUGE

Our B-GENIUS press brakes are equipped with a fast and precise 2-axis CNC controlled back gauge. Optionally we offer a 4 Axis CNC back gauge (X-R-Z1-Z2) With this back gauge system the CNC press brake control calculates the depth, height and width of the back gauge fingers. This back gauge features superior accuracy and speed. This translates to more correct parts at the end of the day.

By using Mitsubishi servo motors and drives along with HIWIN ball screws or HIWIN or Rexroth linear rails, you can program X axis speeds up to 800 mm/s with an accuracy of 0.01 mm.

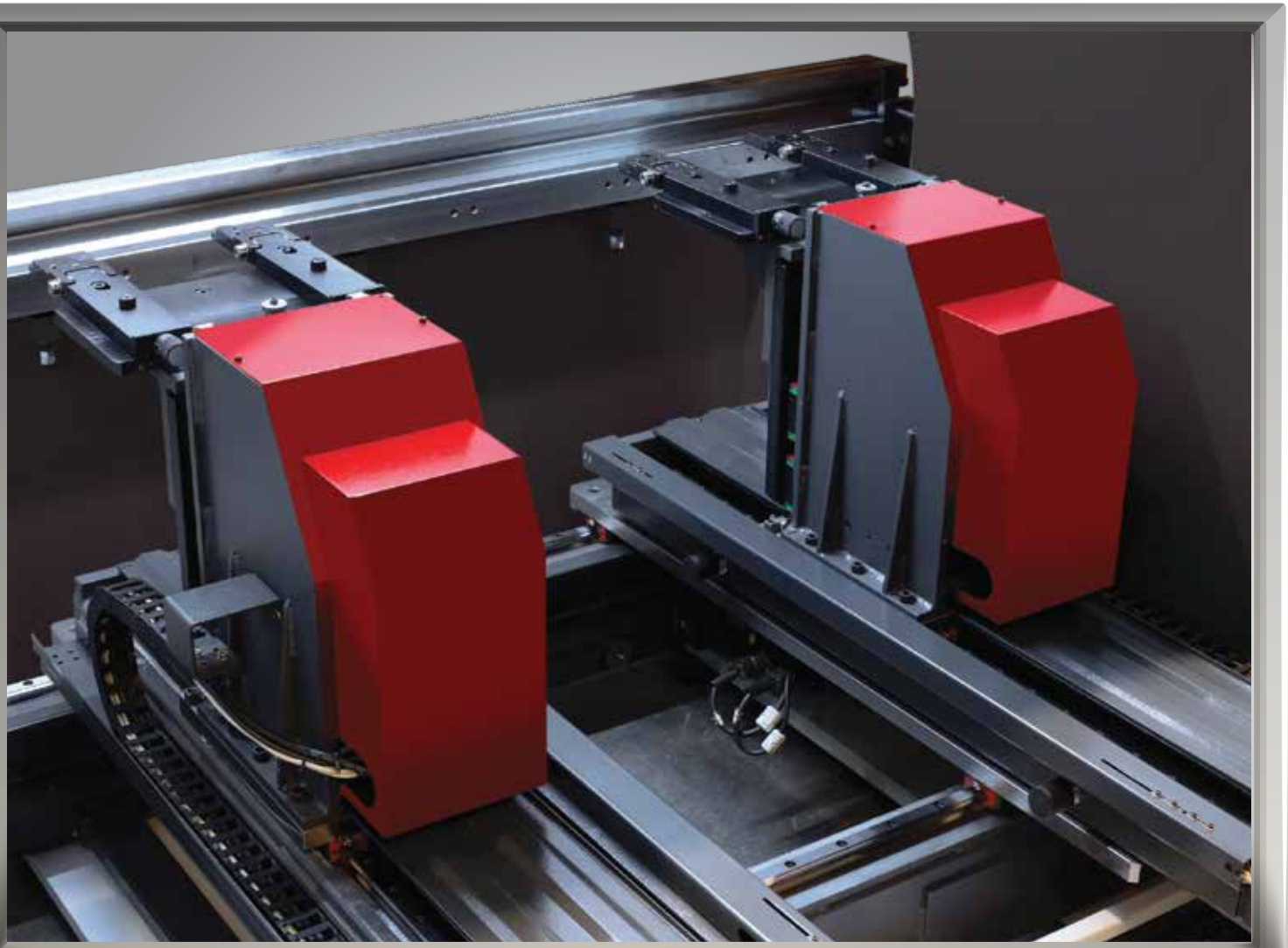


5 AXIS BACK GAUGE (X,R,Z1,Z2,X Prime)

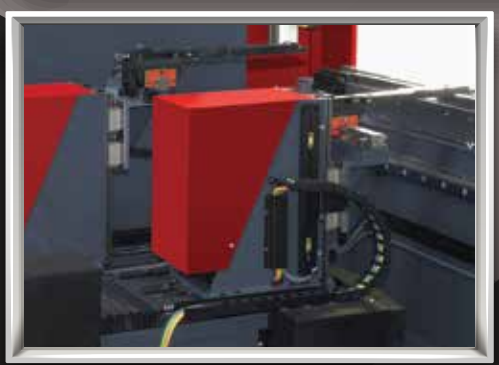
5 AXIS BACK GAUGE

Need to bump your versatility up a notch? Bam! On top of X, R, and Z1, Z2 add X prime to back gauge to allow independent shifting of a finger to assist in asymmetrical part creation. The finger can shift forward or backward 125 mm for a total travel of 250 mm which facilitates precision slant lines.

By using Mitsubishi servo motors and drives along with HIWIN ball screws or HIWIN or Rexroth linear rails, you can program X axis speeds up to 800 mm/s with an accuracy of 0.01 mm.



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



6 AXIS BACK GAUGE

The 6 Axis back gauge allows for the most flexibility and quickest production speeds as all 6 axis back gauges can be positioned independently of each other. The controller calculates the finger positions three dimensionally (X, R, Z) in the space. Steady finger positions, especially for asymmetrical parts, eliminate the need for back gauge adjustments and help you save setup time.

BENDING SMALL PARTS?

B-ECO Series Press Brakes are perfect for forming small parts with low operating costs and with syncro CNC three axis control capability they perform just like our bigger Press Brakes.

B-ECO SERIES

STANDARD

- DELEM DA-52S Control
- Hoerbiger Hydraulic System
- CNC X Axis Back Gauge
- RMT Top & Bottom Tool Clamping System
- Foot Pedal
- Full Length Multi V die, punch
- Synchronized Dual Cylinder
- Steel Welded Frame

OPTIONAL

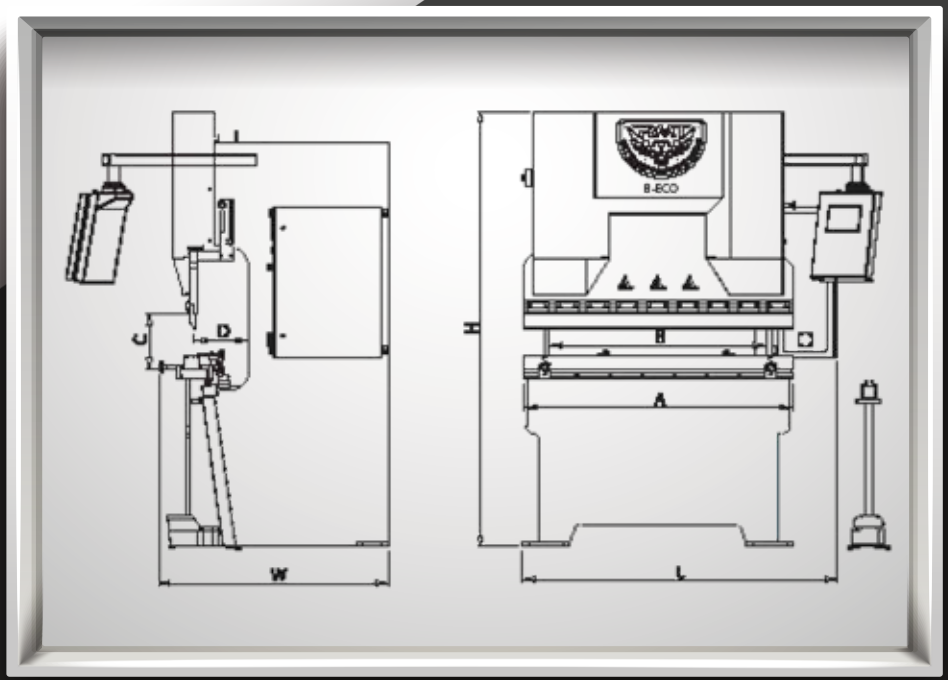
- 12" Stroke
- CNC X, R Axes Back Gauge
- CE Norms & Front Safety Barrier
- Front Arms with Adjustable Height

B-ECO Series		Unit	B-ECO 4-33	B-ECO 5-44	B-ECO 4-65	B-ECO 5-88
Bending Force		US Tons	33	44	65	88
Bending Length	(A)	Inches	49.2″	59″	49.2″	59″
Distance between Columns	(B)	Inches	39.7″	49.6″	39.7″	49.6″
X-Axis Back Gauge Travel		Inches	19.6″	19.6″	23.6″	23.6″
RAM Repeatability		Inches	+/- .0004″	+/- .0004″	+/- .0004″	+/- .0004″
Daylight	(C)	Inches	10″/16″	10″/16″	10″	10″
Stroke		Inches	5.9″/12″	5.9″/12″	5.9″	5.9″
Throat Depth	(D)	Inches	10″	10″	10″	10″
RAM Approach Speed (max.)		IPM	236	236	236	236
RAM Working Speed (max.)		IPM	20	17	20	17
RAM Return Speed (max.)		IPM	236	236	236	236
Main Motor		HP	4	5.5	7.5	7.5
Length	(L)	Inches	66″	79″	66″	79″
Width	(W)	Inches	42″	42″	47″	47″
Height	(H)	Inches	79″	79″	79″	79″
Weight (approx)		lbs	4078	4409	5511	6613

Optional extra daylight, stroke, throat depths available.

X AXIS BACKGAUGE

HOERBIGER HYDRAULIC SYSTEM



WANT A WORKHORSE?

3 AXIS CNC SYNCRO PRESS BRAKE

The 3 Axis CNC Syncro Press Brake is our most popular model by volume and a true workhorse. Constructed of high quality parts and offering serious reliability, Y1 & Y2 technology with high approach, bending and return speeds.

- Provides a combination of performance, cost effectiveness and easy to use features
- Outstanding Value! Best brake for the money on the market.
- User friendly CNC control unit and software
- Precise bending results
- Tough construction with the same solid framework we use for all of our RMT Press Brakes
- Large daylight opening allows the entire length of the machine to be put to optimal use
- Designed and built with the objective to help you achieve low cost manufacturing
- Standard 3 axis X, Y1, Y2 and manually adjustable R1, R2, Z1, Z2

B-SMART SERIES

B-SMART SERIES

STANDARD

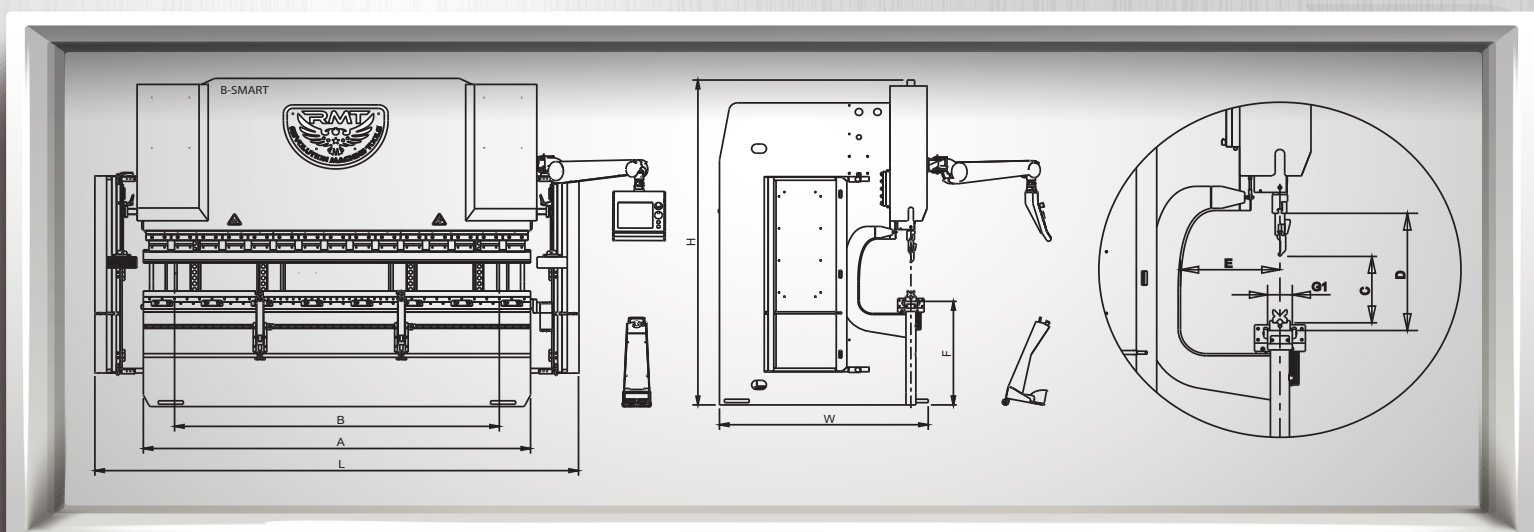
- 3 axis CNC:
  + Y1, Y2 precision ram positioning
  + X axis Back Gauge
- Large trio of value:
  + Large open height
  + Large stroke
  + Large throat depth
- Back Gauge - motorized & linear guide & ball bearing system
- Back Gauge Fingers - height adjustable
- Safety laser with manual F. AKAS II M-FPSC-B-C + safety covers with switch
- Delem DA-52S CNC control unit
- Manual crowning
- Clamping:
  + American/European section-style box punch clamps
  + American-only style punch clamp available at no charge
- Quick-set sliding front sheet support arms with full-length linear guide, tilting stop and T-slot (front gauge squaring, etc.)
- Adjustable height suspension control unit arm
- Protective covers (side and rear safety doors)
- Rear work light
- World-class hydraulic and electronic components that are easily replaceable (parts stocked by us or available off-the-shelf from your local supplier):
  + Hydraulic blocks and valves (Hoerbiger)
  + Electronics system (Siemens, Schneider, Mitsubishi)
- High-yield plate construction
- Hydraulic Oil (up to 250 Ton machines)

OPTIONAL

- CNC R axis
- Delem DA-56S CNC control unit with 2D graphics
- Safety laser with SICK C 4000 (only for tandem) + steel protective covers
- Adaptive bending sensors
- Top tool American or European
- Bottom tool American or European
- Hydraulic tooling clamping systems
- Quick release clamping
- Universal die blocks
- CNC controlled motorized crowning
- Extended back gauge stroke & back protection with light barrier
- Oil coolant
- Very reasonable tooling packages available (multi-V tooling)
- Additional finger blocks
- Additional sliding front arms
- Profile-W offline software
- Tandem configuration

B-SMART SERIES	STANDARD MACHINE CHARACTERISTICS											
	BENDING FORCE METRIC	BENDING LENGTH	DISTANCE BETWEEN FRAMES	RAM STROKE	DAYLIGHT	THROAT DEPTH	BED HEIGHT	BED CAP WIDTH (STANDARD)	BED CAP WIDTH (OPTIONAL)	SLIDING FRONT SUPPORT ARMS	MOTOR POWER	OIL TANK CAPACITY
	(US)	A	B	C	D	E	F	G1	G2	QTY		
	Tons	Feet	Feet	Inch	Inch	Inch	Inch	Inch	Inch	Pcs.	HP	Gal
B-SMART 6-70	70	6′ 10″	5′ 6″	11″	20.9″	16.5″	35.6″	4″	7″	2	10	37
B-SMART 8-110	110	8′ 6″	6′ 10″	11″	20.9″	16.5″	35.6″	4″	7″	2	15	37
B-SMART 10-110	110	10′ 2″	8′ 6″	11″	20.9″	16.5″	35.6″	4″	7″	2	15	37
B-SMART 10-150	150	10′ 2″	8′ 6″	11″	20.9″	16.5″	35.6″	4″	7″	2	20	37
B-SMART 10-200	200	10′ 2″	8′ 6″	11″	20.9″	16.5″	35.6″	4″	10″	2	25	58
B-SMART 12-200	200	12′ 2″	10′ 5″	11″	20.9″	16.5″	35.6″	4″	10″	2	25	58
B-SMART 13-200	200	13′ 5″	11′ 9″	11″	20.9″	16.5″	35.6″	4″	10″	2	25	58
B-SMART 14-200	200	14′ 1″	12′ 5″	11″	20.9″	16.5″	35.6″	4″	10″	2	25	58
B-SMART 10-250	250	10′ 2″	8′ 6″	11″	20.9″	16.5″	35.6″	4″	10″	2	30	58
B-SMART 12-250	250	12′ 2″	10′ 5″	11″	20.9″	16.5″	35.6″	4″	10″	2	30	58
B-SMART 13-250	250	13′ 5″	11′ 9″	11″	20.9″	16.5″	35.6″	4″	10″	2	30	58
B-SMART 14-250	250	14′ 1″	12′ 5″	11″	20.9″	16.5″	35.6″	4″	10″	2	30	58
B-SMART 20-250	250	20′ 0″	16′ 8″	11″	20.9″	16.5″	43.3″	6″	12″	4	30	79
B-SMART 10-350	350	10′ 2″	8′ 6″	15″	24.8″	20.1″	35.6″	6″	12″	2	40	79
B-SMART 12-350	350	12′ 2″	10′ 5″	15″	24.8″	20.1″	35.6″	6″	12″	2	40	79
B-SMART 13-350	350	13′ 5″	11′ 9″	15″	24.8″	20.1″	35.6″	6″	12″	2	40	79
B-SMART 14-350	350	14′ 1″	12′ 5″	15″	24.8″	20.1″	35.6″	6″	12″	2	40	79
B-SMART 20-350	350	20′ 0″	16′ 8″	15″	24.8″	20.1″	43.3″	6″	12″	4	40	95
B-SMART 12-420	420	12′ 2″	10′ 0″	15″	24.8″	20.1″	41.3″	6″	12″	2	50	119
B-SMART 14-420	420	14′ 1″	12′ 3″	15″	24.8″	20.1″	41.3″	6″	12″	2	50	119
B-SMART 13-500	500	13′ 5″	11′ 9″	15″	24.8″	20.1″	41.3″	6″	12″	2	50	119
B-SMART 14-500	500	14′ 1″	12′ 5″	15″	24.8″	20.1″	41.3″	6″	12″	2	50	119
B-SMART 20-500	500	20′ 0″	16′ 8″	15″	24.8″	20.1″	47.2″	6″	12″	4	50	132

Optional extra daylight, stroke, throat depths available.



B-SMART SERIES	RAM SPEEDS PROGRAMMABLE				BACK GAUGE SYSTEM						MACHINE DIMENSIONS			
	Y-AXIS APPROACH SPEED	Y-AXIS FORMING SPEED	DECOMPRESSION	Y-AXIS RETURN SPEED	X-AXIS SPEED	X-AXIS TRAVEL	3RD GAUGEABLE FINGER POSITION	R-AXIS MAX. SPEED	R-AXIS TRAVEL	# BACKGAUGE FINGER BLOCKS	LENGTH	WIDTH	HEIGHT	APPROX. WEIGHT
	Prog.	Prog.	Prog.	Prog.	Prog.	Prog.	Opt.	Opt.	Opt.	QTY	L	W	H	
	I.P.M.	I.P.M.	I.P.M.	I.P.M.	I.P.M.	Inch	Inch	I.P.M.	Inch	Pcs.	Inch	Inch	Inch	lbs
B-SMART 6-70	94-472	0-24	0-24	52-260	5-1890	32.3"	41.7"	5-378	10.2"	2	126"	47"	94"	7,275
B-SMART 8-110	85-425	0-24	0-24	57-283	5-1890	32.3"	41.7"	5-378	10.2"	2	133"	66"	112"	19,070
B-SMART 10-110	85-425	0-24	0-24	57-283	5-1890	32.3"	41.7"	5-378	10,2"	2	153"	66"	112"	20,944
B-SMART 10-150	76-378	0-24	0-24	57-283	5-1890	32.3"	41.7"	5-378	10,2"	2	157"	69"	112"	24,030
B-SMART 10-200	66-331	0-21	0-21	47-236	5-1890	32.3"	41.7"	5-378	10,2"	2	157"	67"	115"	25,684
B-SMART 12-200	66-331	0-21	0-21	47-236	5-1890	32.3"	41.7"	5-378	10,2"	2	181"	67"	115"	29,211
B-SMART 13-200	66-331	0-21	0-21	47-236	5-1890	32.3"	41.7"	5-378	10,2"	2	197"	67"	115"	29,432
B-SMART 14-200	66-331	0-21	0-21	47-236	5-1890	32.3"	41.7"	5-378	10,2"	2	205"	67"	115"	30,754
B-SMART 10-250	57-283	0-20	0-20	54-272	5-1890	32.3"	41.7"	5-378	10,2"	2	159"	67"	118"	28,109
B-SMART 12-250	57-283	0-20	0-20	54-272	5-1890	32.3"	41.7"	5-378	10,2"	2	183"	67"	118"	32,298
B-SMART 13-250	57-283	0-20	0-20	54-272	5-1890	32.3"	41.7"	5-378	10,2"	2	198"	67"	118"	33,841
B-SMART 14-250	57-283	0-20	0-20	54-272	5-1890	32.3"	41.7"	5-378	10,2"	2	206"	67"	118"	34,282
B-SMART 20-250	47-236	0-20	0-20	54-272	5-1181	32.3"	41.7"	5-283	10,2"	4	277"	67"	130"	47,179
B-SMART 10-350	47-236	0-19	0-19	45-224	5-1890	32.3"	41.7"	5-378	10,2"	2	156"	81"	127"	39,683
B-SMART 12-350	47-236	0-19	0-19	45-224	5-1890	32.3"	41.7"	5-378	10,2"	2	179"	81"	127"	44,754
B-SMART 13-350	47-236	0-19	0-19	45-224	5-1890	32.3"	41.7"	5-378	10,2"	2	195"	81"	127"	47,730
B-SMART 14-350	47-236	0-19	0-19	45-224	5-1890	32.3"	41.7"	5-378	10,2"	2	203"	81"	127"	49,428
B-SMART 20-350	43-213	0-19	0-19	45-224	5-1181	32.3"	41.7"	5-283	10,2"	4	274"	81"	135"	65,147
B-SMART 12-420	47-236	0-19	0-19	43-213	5-1181	40.2"	49.6"	5-283	10,2"	2	181"	85"	140"	55,116
B-SMART 14-420	47-236	0-19	0-19	43-213	5-1181	40.2"	49.6"	5-283	10,2"	2	205"	85"	140"	61,289
B-SMART 13-500	47-236	0-18	0-18	38-189	5-1181	40.2"	49.6"	5-283	10,2"	2	203"	89"	146"	62,744
B-SMART 14-500	43-213	0-18	0-18	38-189	5-1181	40.2"	49.6"	5-283	10,2"	2	211"	89"	146"	65,257
B-SMART 20-500	43-213	0-18	0-18	38-189	5-1181	40.2"	49.6"	5-283	10.2"	4	283"	89"	152"	89,067

MASS PRODUCTION?

5 AXIS CNC SYNCRO PRESS BRAKE

Our design innovations are based on years of experience and have resulted in our B-Genius Press Brakes which allow for faster bending, and a better return and back gauge. RMT Press Brakes will allow you to mass produce precision parts effectively and decrease your cost per part.

B-GENIUS SERIES

B-GENIUS SERIES

STANDARD

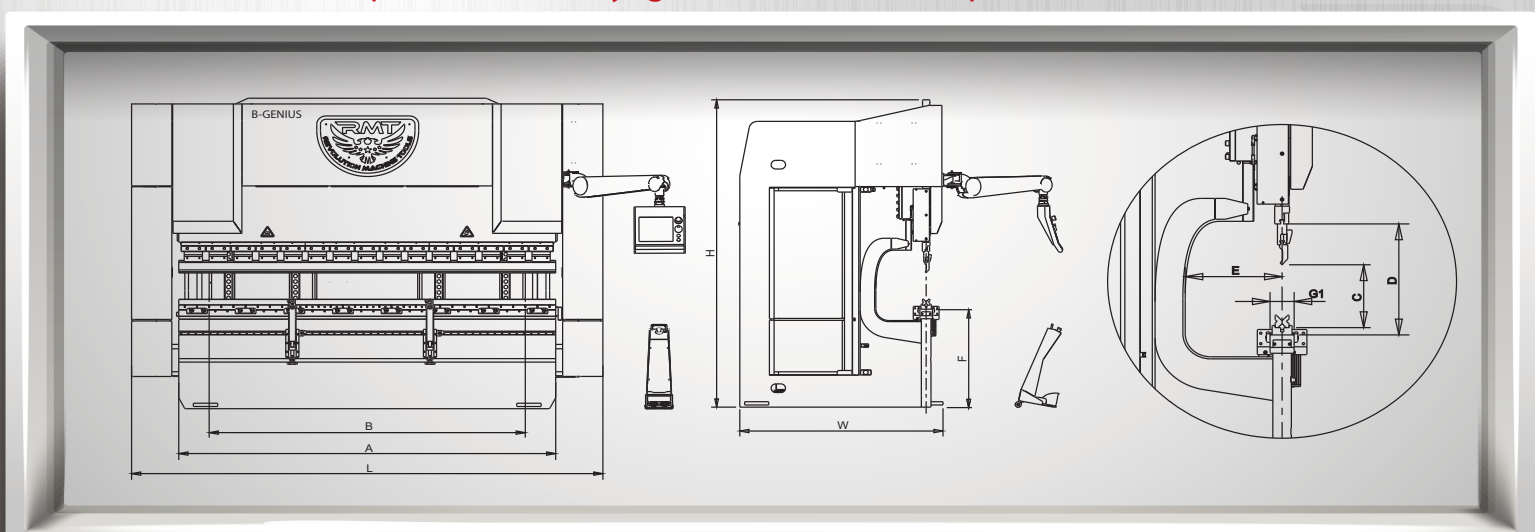
- 5 axis CNC:
  + Y1, Y2 precision ram positioning
  + X, R precision servo-driven back gauge
  + CNC motorized wave crowning
- Large trio of value:
  + Large open height
  + Large stroke
  + Large throat depth
- Safety laser with manual F. AKAS II M -FPSC-B-C + safety covers with switch
- Delem DA-66T touch screen CNC control unit with 3D graphical visualization
- Clamping:
  + American/European section-style box punch clamps
(standard on 420 Ton and lower)
  + American-only style punch clamp available at no charge on 420 Ton and lower
- Standard X-axis travel is 32.3" with third gauge step capable of gauging parts up to 41.7" with standard back gauge (most machines)
- Stable and fast AC servo motor-driven precision back gauge with linear guide and ball bearing system (X - R)
- Quick-set sliding front sheet support arms with full-length linear guide, tilting stop and T-slot (front gauge squaring, etc.)
- Protection covers (side and rear safety doors)
- Rear work light
- World-class hydraulic and electronic components that are easily replaceable (parts stocked by us or available off-the-shelf
from your local supplier):
  + Hydraulic blocks and valves (Hoerbiger)
  + Electronics system (Siemens, Schneider, Mitsubishi)
- Adjustable height suspension control unit arm
- High-yield plate construction
- Ability to accurately fade ram
- Stage bending
- Automatic bend sequence determination
- Automatic stretch length calculator for blank size determination
- Hydraulic Oil (up to 250 Ton machines)

OPTIONAL

- Safety laser: Motorized F. AKAS III M
- Light curtain: SICK C 4000 for tandem/trio/quad machines
- Adaptive bending sensors
- Up to 14+ axes available:
  + Z1, Z2 axes
  + X1, X2 axes
  + R1, R2 axes
  + X Prime (Delta X) axis, +/- 5" stroke (10" total)
  + X Axis = 40" external travel – back protection with light barrier
  + X1, X2 axes for light pole production
  + Sheet follower with sliding guide – motorized height adjustment
  + Front feeding system with supports
  + Front feeding system with supports – pneumatic pushers
- Other CNC control units available:
  + Delem DA-69T touch screen 2D/3D CNC control
  + Cybelec ModEva 10S/12S/15S 3D with PC 1200 3D SW
- Clamping:
  + Quick release clamping
  + RMT hydraulic or mechanical clamping
  + Wila or Wilson hydraulic or mechanical clamping
- Various tool options (RMT, Euro-American, Wila or Wilson)
- Extended back gauge stroke & back protection with light barrier
- Offline software (V-Bend, Radbend, Profile-W)
- Tooling packages
- Multiple brake configurations available:
  + Tandem configuration
  + Trio configuration
  + Quad configuration
  + High tonnage flush floor models
- Custom Colors

B-GENIUS SERIES	STANDARD MACHINE CHARACTERISTICS											
	BENDING FORCE	BENDING LENGTH	DISTANCE BETWEEN FRAMES	LENGTH OF RAM STROKE	DAYLIGHT	THROAT DEPTH	BED HEIGHT	BED CAP WIDTH (STANDARD)	BED CAP WIDTH (OPTIONAL)	# SLIDING FRONT SUPPORT ARMS	MOTOR POWER	OIL TANK CAPACITY
	(US)	A	B	C	D	E	F	G1	G2	QTY		
	Tons	Feet	Feet	Inch	Inch	Inch	Inch	Inch	Inch	Pcs.	HP	Gal
B-GENIUS 6-70	70	6' 10"	5' 6"	11"	20.9"	16.5"	35.6"	4"	7"	2	10	37
B-GENIUS 8-110	110	8' 6"	6' 10"	11"	20.9"	16.5"	35.6"	4"	7"	2	15	37
B-GENIUS 10-110	110	10' 2"	8' 6"	11"	20.9"	16.5"	35.6"	4"	7"	2	15	37
B-GENIUS 10-150	150	10' 2"	8' 6"	11"	20.9"	16.5"	35.6"	4"	7"	2	20	37
B-GENIUS 10-200	200	10' 2"	8' 6"	11"	20.9"	16.5"	35.6"	4"	10"	2	30	58
B-GENIUS 12-200	200	12' 2"	10' 5"	11"	20.9"	16.5"	35.6"	4"	10"	2	30	58
B-GENIUS 13-200	200	13' 5"	11' 9"	11"	20.9"	16.5"	35.6"	4"	10"	2	30	58
B-GENIUS 14-200	200	14' 1"	12' 5"	11"	20.9"	16.5"	35.6"	4"	10"	2	30	58
B-GENIUS 10-250	250	10' 2"	8' 6"	11"	20.9"	16.5"	35.6"	4"	10"	2	40	58
B-GENIUS 12-250	250	12' 2"	10' 5"	11"	20.9"	16.5"	35.6"	4"	10"	2	40	58
B-GENIUS 13-250	250	13' 5"	11' 9"	11"	20.9"	16.5"	35.6"	4"	10"	2	40	58
B-GENIUS 14-250	250	14' 1"	12' 5"	11"	20.9"	16.5"	35.6"	4"	10"	2	40	58
B-GENIUS 20-250	250	20' 0"	16' 8"	11"	20.9"	16.5"	43.3"	6"	12"	4	40	79
B-GENIUS 10-350	350	10' 2"	8' 6"	15"	24.8"	20.1"	35.6"	6"	12"	2	50	79
B-GENIUS 12-350	350	12' 2"	10' 5"	15"	24.8"	20.1"	35.6"	6"	12"	2	50	79
B-GENIUS 13-350	350	13' 5"	11' 9"	15"	24.8"	20.1"	35.6"	6"	12"	2	50	79
B-GENIUS 14-350	350	14' 1"	12' 5"	15"	24.8"	20.1"	35.6"	6"	12"	2	50	79
B-GENIUS 20-350	350	20' 0"	16' 8"	15"	24.8"	20.1"	43.3"	6"	12"	4	50	95
B-GENIUS 12-420	420	12' 2"	10' 0"	15"	24.8"	20.1"	41.3"	6"	12"	2	50	119
B-GENIUS 14-420	420	14' 1"	12' 3"	15"	24.8"	20.1"	41.3"	6"	12"	2	50	119
B-GENIUS 13-500	500	13' 5"	11' 9"	15"	24.8"	20.1"	41.3"	6"	12"	2	60	119
B-GENIUS 14-500	500	14' 1"	12' 5"	15"	24.8"	20.1"	41.3"	6"	12"	2	60	119
B-GENIUS 20-500	500	20' 0"	16' 8"	15"	24.8"	20.1"	47.2"	6"	12"	4	60	132

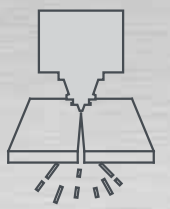
Optional extra daylight, stroke, throat depths available.



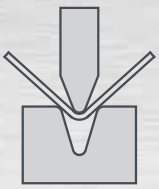
B-GENIUS SERIES	RAM SPEEDS PROGRAMMABLE				BACK GAUGE SYSTEM							MACHINE DIMENSIONS			
	Y-AXIS APPROACH SPEED	Y-AXIS FORMING SPEED	DECOMPRESSION	Y-AXIS RETURN SPEED	X-AXIS SPEED	X-AXIS TRAVEL	3RD GAUGEABLE FINGER POSITION	R-AXIS MAX. SPEED	R-AXIS TRAVEL	Z1-Z2-AXIS MAX. SPEED	# BACKGAUGE FINGER BLOCKS	LENGTH	WIDTH	HEIGHT	APPROX. WEIGHT
	Prog.	Prog.	Prog.	Prog	Prog.	Prog.	Prog.	Std.	Std.	Opt.	QTY	L	W	H	lbs
	I.P.M.	I.P.M.	I.P.M.	I.P.M.	I.P.M.	Inch	Inch	I.P.M.	Inch	I.P.M.	Pcs.	Inch	Inch	Inch	lbs
B-GENIUS 6-70	94-472	0-24	0-24	94-472	5-1890	32.3″	41.7″	5-378	10.2″	5-3425	2	126″	47″	94″	7.826
B-GENIUS 8-110	94-472	0-24	0-24	94-472	5-1890	32.3″	41.7″	5-378	10.2″	5-3425	2	133″	66″	112″	19.621
B-GENIUS 10-110	94-472	0-24	0-24	94-472	5-1890	32.3″	41.7″	5-378	10.2″	5-3425	2	153″	66″	112″	21.495
B-GENIUS 10-150	94-472	0-24	0-24	94-472	5-1890	32.3″	41.7″	5-378	10.2″	5-3425	2	153″	69″	112″	24.582
B-GENIUS 10-200	85-425	0-24	0-24	85-425	5-1890	32.3″	41.7″	5-378	10.2″	5-3425	2	154″	67″	115″	26.235
B-GENIUS 12-200	85-425	0-24	0-24	85-425	5-1890	32.3″	41.7″	5-378	10.2″	5-3425	2	177″	67″	115″	29.762
B-GENIUS 13-200	85-425	0-24	0-24	85-425	5-1890	32.3″	41.7″	5-378	10.2″	5-3425	2	193″	67″	115″	29.983
B-GENIUS 14-200	85-425	0-24	0-24	85-425	5-1890	32.3″	41.7″	5-378	10.2″	5-3425	2	201″	67″	115″	31.306
B-GENIUS 10-250	76-378	0-24	0-24	85-425	5-1890	32.3″	41.7″	5-378	10.2″	5-3425	2	154″	67″	118″	28.660
B-GENIUS 12-250	76-378	0-24	0-24	85-425	5-1890	32.3″	41.7″	5-378	10.2″	5-3425	2	178″	67″	118″	32.849
B-GENIUS 13-250	76-378	0-24	0-24	85-425	5-1890	32.3″	41.7″	5-378	10.2″	5-3425	2	194″	67″	118″	34.392
B-GENIUS 14-250	76-378	0-24	0-24	85-425	5-1890	32.3″	41.7″	5-378	10.2″	5-3425	2	202″	67″	118″	34.833
B-GENIUS 20-250	66-331	0-24	0-24	85-425	5-1181	32.3″	41.7″	5-283	10.2″	5-3425	4	272″	67″	130″	47.730
B-GENIUS 10-350	66-331	0-24	0-24	76-378	5-1890	32.3″	41.7″	5-378	10.2″	5-3425	2	156″	81″	127″	40.345
B-GENIUS 12-350	66-331	0-24	0-24	76-378	5-1890	32.3″	41.7″	5-378	10.2″	5-3425	2	179″	81″	127″	45.415
B-GENIUS 13-350	66-331	0-24	0-24	76-378	5-1890	32.3″	41.7″	5-378	10.2″	5-3425	2	195″	81″	127″	48.391
B-GENIUS 14-350	66-331	0-24	0-24	76-378	5-1890	32.3″	41.7″	5-378	10.2″	5-3425	2	203″	81″	127″	50.089
B-GENIUS 20-350	57-283	0-24	0-24	76-378	5-1181	32.3″	41.7″	5-283	10.2″	5-3425	4	274″	81″	135″	65.808
B-GENIUS 12-420	57-283	0-21	0-21	71-354	5-1181	40.2″	49.6″	5-283	10.2″	5-3425	2	181″	85″	140″	55.887
B-GENIUS 14-420	57-283	0-21	0-21	71-354	5-1181	40.2″	49.6″	5-283	10.2″	5-3425	2	205″	85″	140″	62.060
B-GENIUS 13-500	52-260	0-21	0-21	66-331	5-1181	40.2″	49.6″	5-283	10.2″	5-3425	2	203″	89″	146″	63.625
B-GENIUS 14-500	52-260	0-21	0-21	66-331	5-1181	40.2″	49.6″	5-283	10.2″	5-3425	2	211″	89″	146″	66.139
B-GENIUS 20-500	47-236	0-21	0-21	66-331	5-1181	40.2″	49.6″	5-283	10.2″	5-3425	4	283″	89″	152″	89.949

RMT

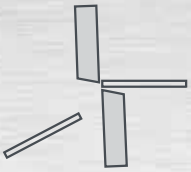
REVOLUTION MACHINE TOOLS



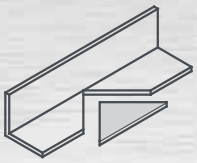
Fiber Lasers



Press Brakes



Shears



Ironworkers

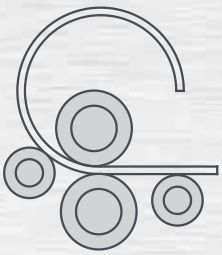
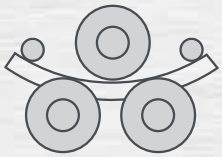
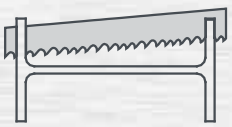


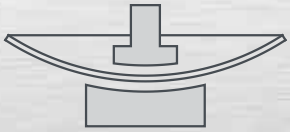
Plate Rolls



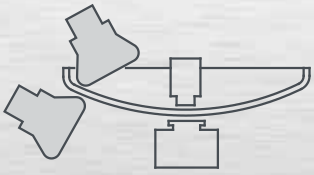
Angle Rolls



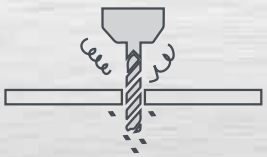
Bandsaws



Dishing Presses



Flanging Machines



Drilling Machines

"If you need a machine and don't buy it, you'll find that you have paid for it anyway, but don't have it."
Henry Ford

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