CINCINNATI®

PRESS BRAKES

LASERS ■ PRESS BRAKES ■ SHEARS ■ PM PRESSES ■ TOOLING

www.e-ci.com



7420 Kilby Road, Harrison, Ohio 45030

CINCINNATI®

CINCINNATI INCORPORATED

WHERE LEGACY MEETS MODERN TECHNOLOGY

"**CINCINNATI BUILT, CINCINNATI STRONG**" is more than a catchy slogan. It is a corporate philosophy that embodies our proud legacy of providing North American manufacturers with the highest quality products, customer service and support in our industry.

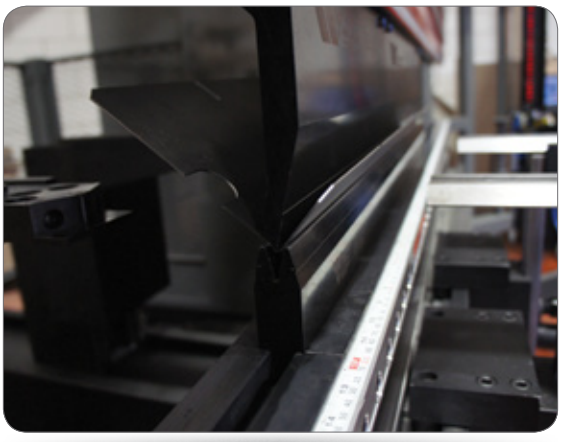
By listening to our customers and keeping our finger on the pulse of the fabrication industry, we are able to continually implement innovative technology so that each CINCINNATI product can be as practical as it is productive. CINCINNATI's extensive line of rugged, reliable laser cutting systems, press brakes, shears, PM presses and tooling will provide you with the highest level of performance for the life of every machine.

Our centrally located manufacturing facility in the greater Cincinnati, Ohio area is home to a live demonstration area, our Customer Productivity Center, and highly experienced technical support personnel. In addition, we have a team of servicemen strategically located across North America. Collectively, these resources allow us to proactively and efficiently provide training programs, applications support, preventive maintenance services, and cost-effective machine upgrades. CINCINNATI also offers a host of digital resources at our company website, www.e-ci.com, and our online store, www.cionlinestore.com.



WITH NEARLY A CENTURY OF EXPERIENCE in the development and production of press brakes, and over 20,000 units installed through North America, Cincinnati has the products, knowledge, and support resources for all your forming needs.

Cincinnati's Maxform, Autoform+, Proform+ and Baseform press brakes have set the industry benchmark in productivity, accuracy and reliability. All Cincinnati press brakes are ruggedly constructed to withstand the rigors of the manufacturing environment, and integrate innovative capabilities with practical features that help you maintain a competitive edge and maximize profitability from your fabrication operations.



PRESS BRAKE MODELS



MAXFORM



AUTOFORM+

INNOVATION
ENDURANCE
PERFORMANCE

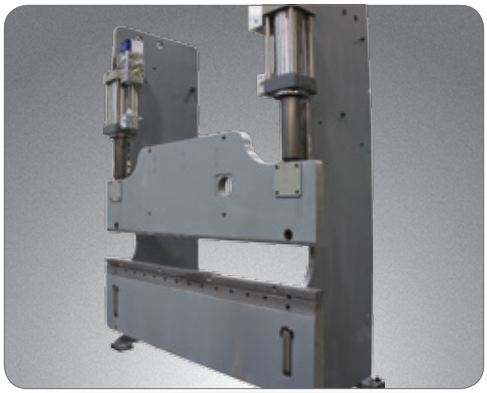


PROFORM+



BASEFORM

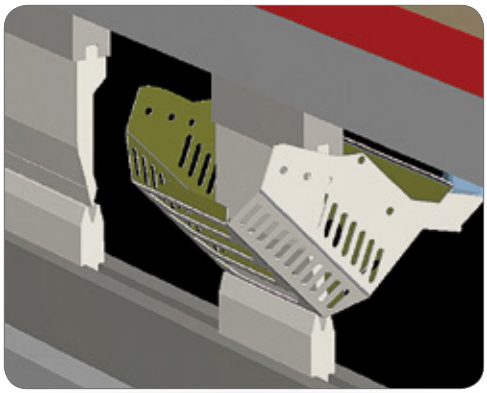
FEATURES



CONSTRUCTION

- Heavy duty, all steel frame
- Deep ram and bed
- Long slides and guides
- Hardened piston rods
- Interlocked members*
- Clevis mounted cylinders*

**Not available on Baseform*



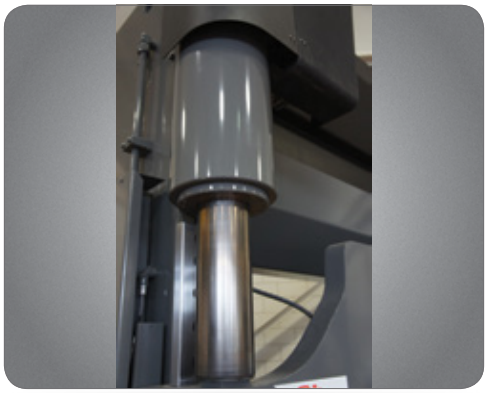
ACCURACY

- Precision dual encoders
- Encoder resolution up to 0.00002"
- Dynamic Thickness Compensation (DTC)
- Adaptive Forming



CONTROL

- Touchscreen Windows® control
- 3D graphical display
- Solid state storage
- USB and ethernet ports
- Automatic data backup
- Diagnostics and maintenance screens
- Web-enabled monitoring
- Offline programming software



DRIVE SYSTEM

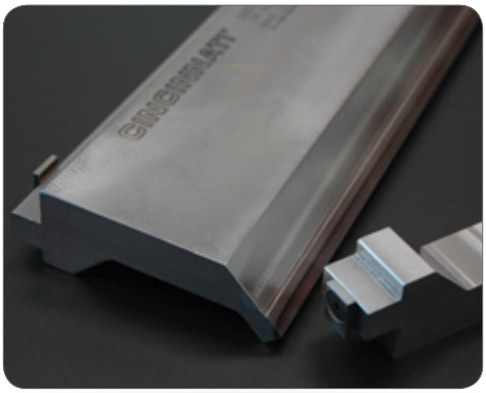
- Energy efficient
- Programmable:
  - Forming speeds
  - Return speeds
  - Stroke stops
  - Ram tilt
- High speed hydraulics



CLAMPING

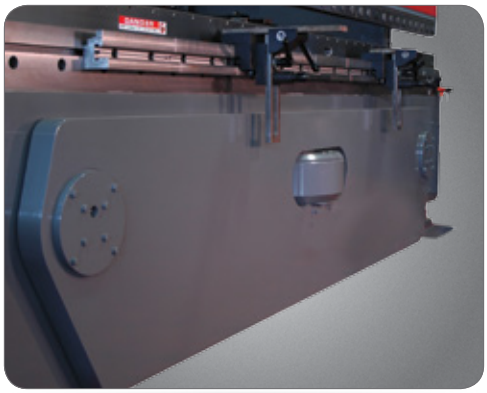
- Bolt on ram nose*
- Cincinnati quick clamp
- Available power clamping
- Available self-seating clamps

**Not available on Autoform+*



TOOLING

- Custom engineered solutions
- Available at cionlinestore.com







CROWNING

- Microcrown
- Auto Crown®
- CNC crownable filler block

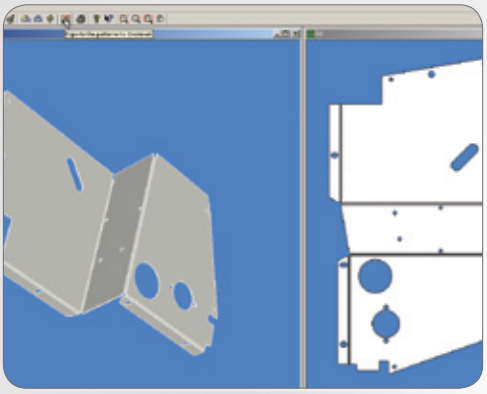
SAFETY

- ANSI B11.3 compliant
- CSA-Z142-10 compliance available
- Additional operator stations available

SUPPORT

- Available Training:
  - Operator
  - Maintenance
  - Programming
- Field-based factory technicians
- Parts orders shipped from Cincinnati Incorporated

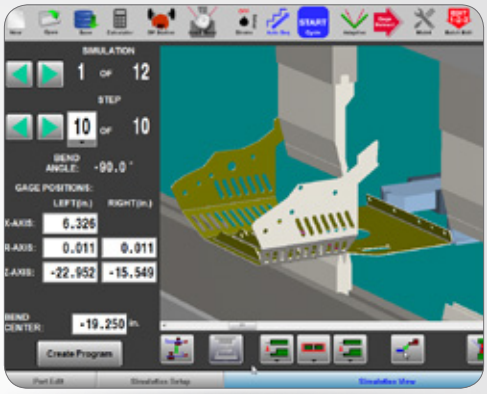
SOFTWARE



CI UNFOLDER

(Optional)

- Unfolds 3D models to flat patterns
- Outputs to bend simulation software
- Automatic K-factor application
- Solidworks and Inventor integration
- Import of common solid file types

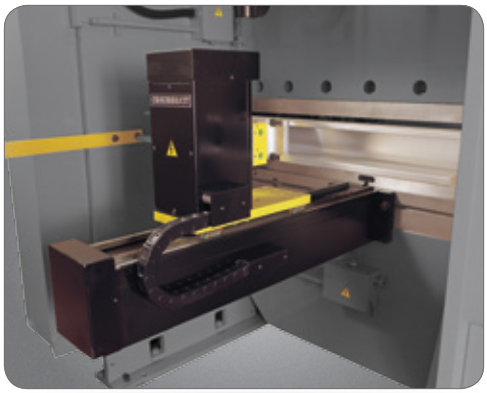


CI BEND SIM

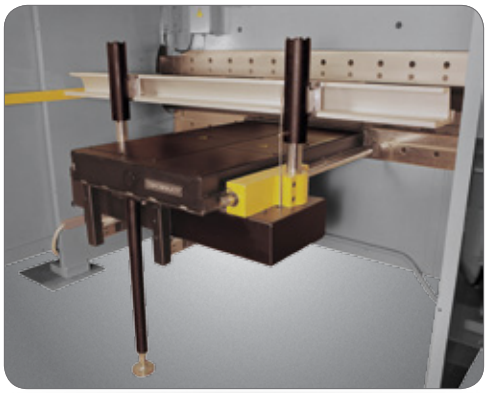
(Standard on Maxform and Autoform+)

- Create or import CAD files
- Create or import tooling
- Automatic bend simulation
- Job aids: Setup sheets and file attachements
- Same interface: Offline software and control

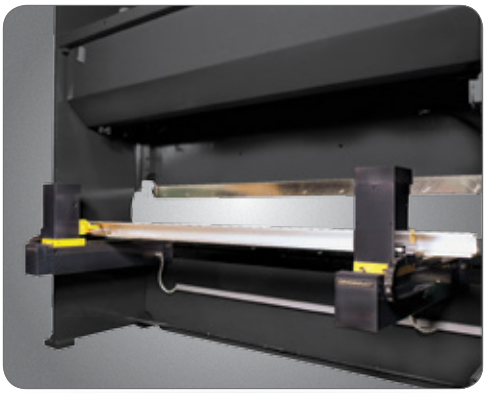
BACKGAGES



SX BACKGAGE



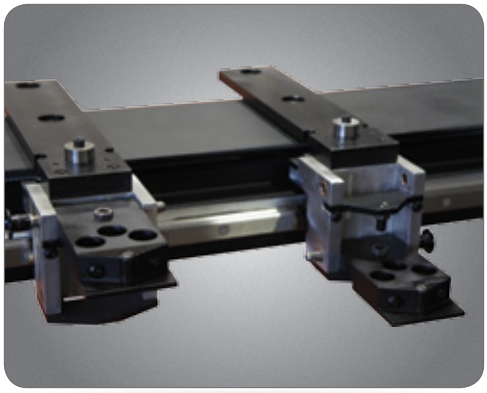
CNC BACKGAGE



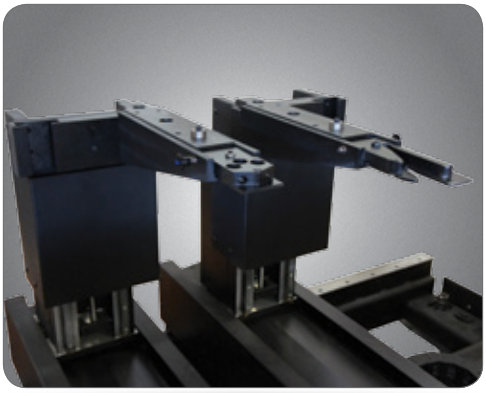
HEAVY DUTY BACKGAGE



PLATE GAGE

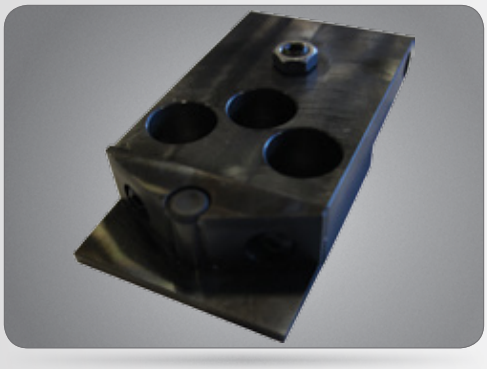


5-AXIS BACKGAGE



6-AXIS LT BACKGAGE

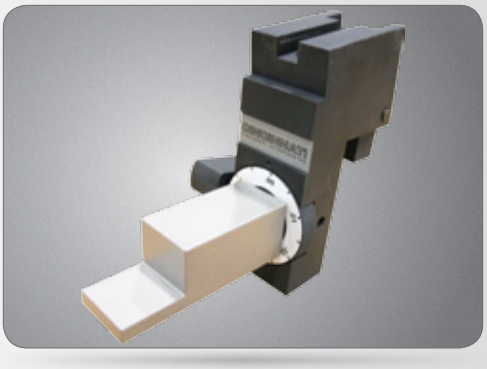
BACKGAGE FINGER TYPES



5 & 6-AXIS STEP FINGER



6-AXIS LT COMBINATIONAL FINGER



ADJUSTABLE GAGE FINGER HOLDER 1/4" STEP FINGER

SPECIFICATIONS

MODEL	Overall Lengths	Closed Height	Standard Stroke	Open Height	Throat Clearance from Die Centerline	Overall Height	Ram Speeds (ipm)			Ram Repeat
	(ft)	(in)	(in)	(in)	(in)	(in)	Approach	Forming	Return	(+/-) (in)
BASEFORM										
90BX	10	7	8	15	16	100	400	10 to 24	80 to 240	0.0004
175BX	12	7	10	17	16	113	300	10 to 24	80 to 190	0.0004
Available Backgages:	***CNC Backgage, Heavy Duty Backgage***									
PROFORM+										
60PF	6	9	8	17	10	101	180	1 to 70	1 to 195	0.001
90PF+	8, 10, 12	7	8	15	7	117	260	1 to 80	1 to 280	0.0004
135PF+	8,10,12,14	7	8	15	7	118	200	1 to 55	1 to 185	0.0004
175PF+	8,10,12,14	7	10	17	8	124	180	1 to 40	1 to 200	0.0004
230PF+	10,12,14,16	7	10	17	8	127	155	1 to 35	1 to 175	0.0004
350PF+	10,12,14,16	8	10	18	10	134	105	1 to 20	1 to 95	0.0004
400-2000PF	*Consult factory for details*									
Available Backgages:	***SX Backgage, CNC Backgage, Heavy Duty Backgage, Plate Backgage, 5x Backgage***									
AUTOFORM+										
60AF+	6	9	8	17	10	104	270	1 to 120	1 to 290	0.0004
90AF+	8, 10, 12	7	8	15	7	110	380	1 to 120	1 to 405	0.0004
135AF+	8, 10, 12, 14	7	8	15	7	111	290	1 to 80	1 to 270	0.0004
175AF+	8, 10, 12, 14	7	10	17	8	124	260	1 to 65	1 to 290	0.0004
230AF+	8, 10, 12, 14	7	10	17	8	127	230	1 to 45	1 to 250	0.0004
350AF+	10, 12, 14, 16, 18	8	10	18	10	134	155	1 to 30	1 to 135	0.0004
400-2000AF	*Consult factory for details*									
Available Backgages:	***SX Backgage, CNC Backgage, Heavy Duty Backgage, Plate backgage, 5x Backgage, 6x Backgage***									
MAXFORM										
90MX	8, 10, 12	7	8	15	7	110	700	1 to 75	1 to 565	0.0002
135MX	8,10,12,14	7	8	15	7	111	700	1 to 55	1 to 540	0.0002
175MX	8,10,12,14	7	10	17	8	124	600	1 to 45	1 to 485	0.0002
230MX	10,12,14	7	10	17	8	127	600	1 to 35	1 to 430	0.0002
350MX	10,12,14	8	10	18	10	134	300	1 to 30	1 to 330	0.0002
Available Backgages:	***Plate Backgage, 5x Backgage, 6xLT Backgage***									

Optional increased closed height, stroke, open height, and throat depth available on all models except Baseform.

Dimensions and Specifications are provided for reference only and subject to change. Please consult factory for exact and current details.

INDUSTRY APPLICATIONS


AGRICULTURE


CONSTRUCTION



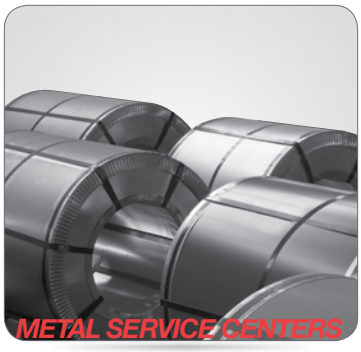
EMERGENCY EQUIPMENT


ENERGY


FOOD EQUIPMENT


FURNITURE


MATERIAL HANDLING


METAL SERVICE CENTERS


MILITARY


POWER DISTRIBUTION


SHIPBUILDING


TELECOMMUNICATIONS


FREIGHT


TRANSPORTATION

CINCINNATI®
CINCINNATI INCORPORATED

CINCINNATI BUILT
CINCINNATI STRONG

CORPORATE OFFICE
7420 Kilby Road
Harrison, Ohio 45030

MAILING ADDRESS
PO Box 11111
Cincinnati, Ohio 45211

513-367-7100
www.e-ci.com

©2013 CINCINNATI INCORPORATED

CINCINNATI IS A REGISTERED TRADEMARK OF CINCINNATI INCORPORATED

Rev. 04/2014