



FABRICATING MACHINERY

E-MATIC

5 MACHINES in ONE!

*45 Bending Programs
with Auto-Cycle!
Super Ideal For
Tight Bends & Special
Applications*

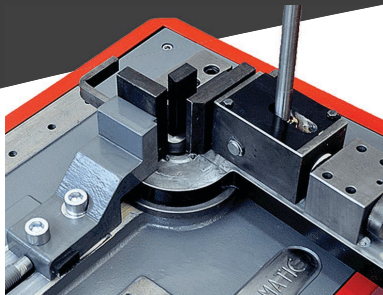


*1,000's of Uses.
Designed for...
Fast, High Production,
Custom Manufacturing
Applications & Lighter
Ornamental / Decorative Work.*

EMATIC CE/CN

www.carellcorp.com





E-MATIC AB-PF
Angle Bender

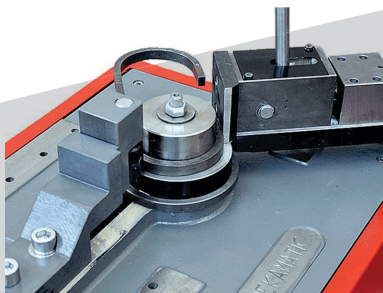
E-Matic CE/CN SUPER (use with All Bender Clamp AB) ● 1"

• **Bar Brake Tooling - Type PF**

Use to make tight angle bends on many section types - Brake, Bend Fold

■ 7/8"

■ 4" x 5/16"



E-MATIC AB-CF
Circle-Curve Bender

E-Matic CE/CN SUPER (use with All Bender Clamp AB) ● 1"

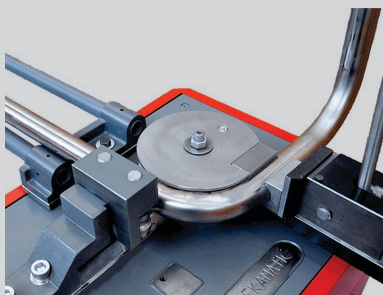
• **Circle & Curve Tooling - Type CF**

Make radius bends, hooks & hairpins. Unlimited Uses and Shapes. Kit supplied with tall center arbor, 4" diameter former & counter bend roller. (Complete rings 360° require custom tooling)

■ 7/8"

■ 1-3/8" x 3/16"

■ 2" x 9/16"



E-MATIC AB-CTA
Tube & Pipe Bender

E-Matic CE/CN SUPER (use with All Bender Clamp AB)

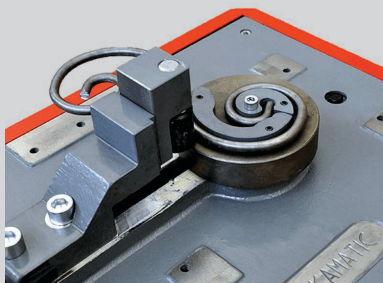
• **Tube Bending Tooling - Type CT & CTA**

Bend tube and pipe with or without mandrels CT - mandrelless CTA - with mandrel. Kit supplied with tall center arbor and special dual roller counter bend device, formers excluded, to be ordered separately. Maximum bending radius 5"

CT - 1-1/2" OD X .079"

3/4" Schd. 40 pipe

CTA - 1-1/4" OD x .079"



E-MATIC CS
Scroll-Spiral Bender

E-Matic CE/CN SUPER

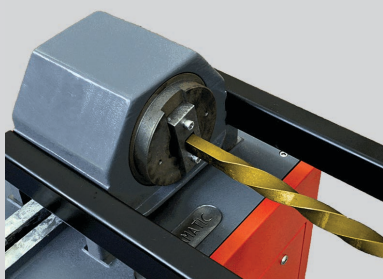
• **Scroll Forming Tooling Type CS & CS/3**

CS/3 includes 3 scroll sizes 3", 4" & 5-1/2". Custom tools for scrolls up 20" diameter using 3/4" bar. All units use segregated formers. Interlocked Progressive Formers Optional. CS/3 5-1/2" former handles max. bar sizes

● 1/2"

■ 1/2"

■ 1-1/4" x 1/2 "



E-MATIC D
Twister

E-Matic CE/CN SUPER

• **Bar Twisting Tooling - Type D**

Twist square, flat bars, bundled rods or tubes Programmable twist degree preset stops through collets allow intermittent twists to 40" long!

■ 7/8"

■ 1-1/2" x 3/8 "



E-MATIC CE/CN

One machine - 5 different operations

*Circle-curve bending, Angle-bending, Scroll-bending & Twisting
Tube bending with two options to bend with or without mandrel*

The E-MATIC CE/CN Universal Bender is machined from solid cast iron block and designed to work cold iron. It incorporates a rotary bending head, a wide stable base with digital programmable controls into a uniquely versatile package that is extremely easy to use. Heavy duty, rugged, compact and portable the tooling change over is rapid and simple. Application of the different attachments shown permits thousands of tooling configurations. Making the E-Matic one of the most requested machines by fabricators everywhere!

CONTROLS

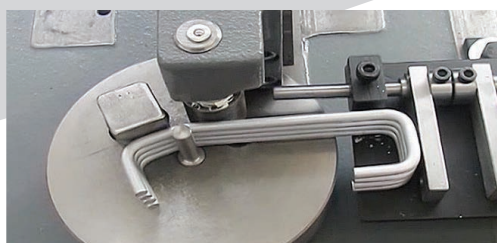
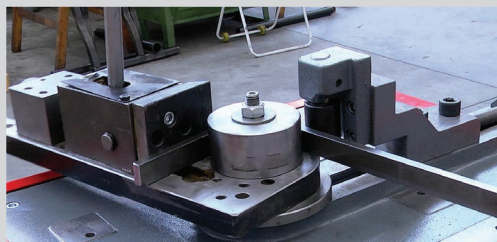
Our microprocessor control is easily programmed for tooling type, degree of bend, stop-return and Auto/Manual operation modes. which allows total precision and efficiency of the curving system. The display shows the desired angle of curvature and constantly informs the operator about the position and movements of the curving axis. Input of desired bend delivers parts with repeat accuracy to 1° via the large LED display.

The Memory allows storage of up to 45 different bend angles. Optional foot pedal allows remote bend activation. The machine can work both in manual and in semi-automatic mode, thus reducing working times and error possibility.



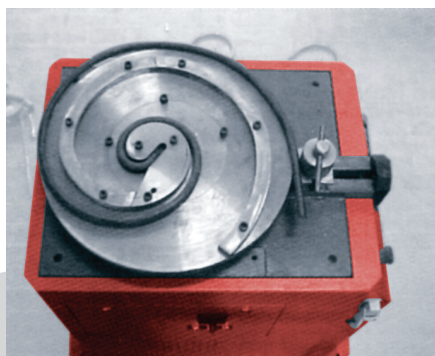
ALL BENDER CLAMP DEVICE

Four tooling attachments use the "All Bender" clamping device: Bar Brake, Circle/Radius, Tube Bender with and without mandrels. The adjustable over the center cam locking clamp allows rapid cycle times. AB can be mounted on the CN-SUPER as well as the CE-Basic models. Optional: pneumatic or hydraulic operation.

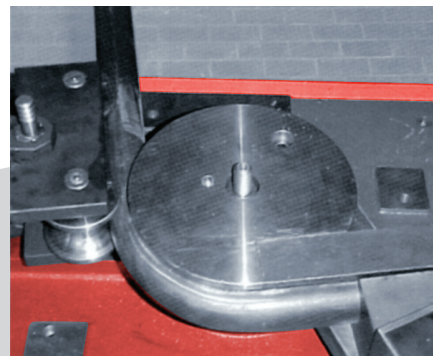




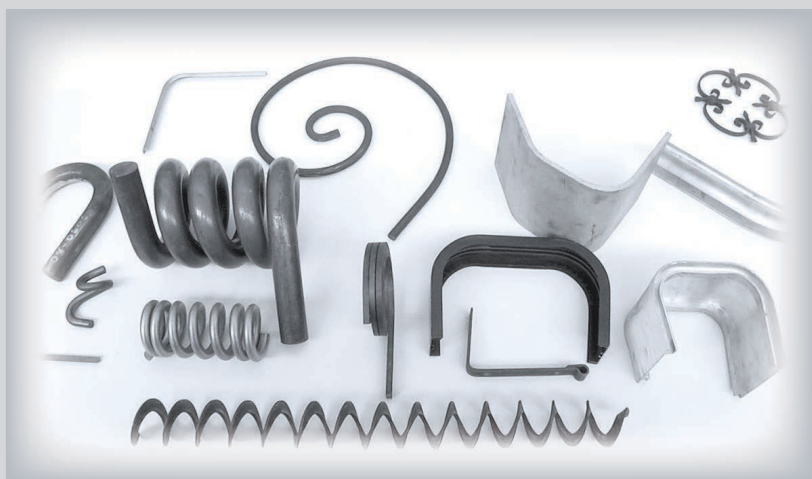
Custom Pneumatic Powered
Vice & Mandrel



Optional "SUPER SCROLL"
20" Diameter x 5/8" Bar



Special Tube Bending Dies

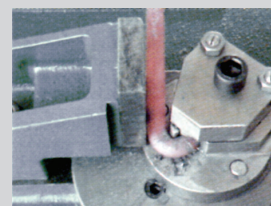


BEND • FOLD • CURVE SCROLL • TWIST • FORM!

The E-Matic CE/CN Super machine is designed for ornamental/decorative work as well as for production applications. Digital programming of 45 Bends, optional dual speed, unlimited applications!



Custom CF Tooling



Custom Hot Bending



Custom CF Tooling



Custom CF Tooling

Specifications

• Drive Motor	3 Kw/Brake
• Rotation Speed	7 Rpm
• Approx. Weight	500 Lbs.
• Memory	45 Steps
• Control Voltage	24 VAC
• Power Required	220V-3-60 Hz Only*
• Dimensions	34" x 25" x 39" h

*(RTG254 Rotary Converter required for operation on 220V single phase power)

Measurements in inches, all data are approximate, capacities based on low carbon steel of max. yield 30,000 psi. The manufacturer and Carell Corp. reserve the right to revise design, construction and specifications without prior notice.



FABRICATING MACHINERY

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E-Matic series CE/CN SUPER machines can be used to produce an unlimited number of shapes and may require either modification of the optional/standard tools or custom tooling. Consult Carell Corporation and/or your authorized dealer.