EMATIC CE/CN

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.

www.carellcorp.com
CONTROLS

ALL BENDER CLAMP DEVICE

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 ± via the large display.

The Emotor allows storage of up to 5 different bend angles. An optional foot pedal allows remote bend activation. The machine can work both in manual and in semiautomatic mode, thus reducing working times and error possibility.

Four tooling attachments use the "All Bender" clamping device for radius, Circle-Curve, Tube Bender with and without mandrels. The adapter over the center cam locating clamp allows rapid cycle times. The model can be mounted on the C1683(5 as well as the C1683 basic models. An optional pneumatic or hydraulic operation.

The E-MATIC CE/CN Universal Bender is machined from solid cast ironloc 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. It's heavy, rugged, compact and portable. The tooling changeover is rapid and simple. Application of the different attachments shown permits thousands of tooling configurations. It is one of the most requested machines for fabricators everywhere.

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

• Bar Twisting Tooling - Type PF
Use to make tight angle bends on many section types - Brake, Bend Fold

• 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)

• 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”

• 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

• 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!

E-MATIC CS
Scroll-Spiral Bender

E-MATIC AB-PF
Angle Bender

E-MATIC AB-CF
Circle-Curve Bender

E-MATIC AB-CTA
Tube & Pipe Bender

E-MATIC D
Twister

E-MATIC CE/CN SUPER

Circle-Curve bending, Angle-bending, Scroll-bending & Twisting

Tube bending with two options to bend with or without mandrelOne machine - 5 different operations

E-MATIC D
Twister

E-MATIC AB-PF
Angle Bender

E-MATIC AB-CF
Circle-Curve Bender

E-MATIC AB-CTA
Tube & Pipe Bender

E-MATIC CS
Scroll-Spiral Bender

E-MATIC D
Twister

E-MATIC CE/CN SUPER

• Bar Braking Tooling - Type PF
Use to make tight angle bends on many section types - Brake, Bend Fold

• 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)

• 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”

• 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

• 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!

E-MATIC CS
Scroll-Spiral Bender

E-MATIC AB-PF
Angle Bender

E-MATIC AB-CF
Circle-Curve Bender

E-MATIC AB-CTA
Tube & Pipe Bender

E-MATIC D
Twister

E-MATIC CE/CN SUPER

Circle-curve bending, Angle-bending, Scroll-bending & Twisting

Tube bending with two options to bend with or without mandrelOne machine - 5 different operations
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.
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!

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.

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.