



30505 Clemens Rd. • Westlake, Ohio 44145-1011
Phone 440.835.5553 • Fax 440.835.5556
Toll Free 800.207.2840
www.pinestechology.com

Model CNC 15

Fully Automatic CNC Bench-Top Bender



Pines Technology's Model CNC-15, the only fully automatic bench-top bender available in the industry today, can produce a wide variety of complex parts quickly and efficiently. This totally electric bender with pneumatic tool action requires minimal operator assistance. Material is simply loaded through the carriage while all three axes movements of the bending sequence are executed automatically to complete the part. Unlimited part length is accommodated by Pines exclusive hitch feed feature, allowing increased productivity and material savings. The CNC-15 is designed for superior production performance and reliability on a wide variety of applications.

Pines TESTED

Since 1943, Pines Technology has pioneered new technology and set industry standards for tube bending equipment. With the CNC 15, Pines offers the only fully automatic bench-top bender on the market. The CNC 15 can accommodate up to 1/2" O.D. steel and 5/8" O.D. copper. Able to program up to 32 bends per part, the CNC 15 simplifies set-up, programming, and operation for production in many applications.

Pines TRUSTED

Simple to program and operate, the CNC 15 has Color touch screen that accepts English or metric data. Operators can easily enter, edit, and change bend information. For increased flexibility and productivity, a compatible PC can be connected to the unit for bi-directional off line programming, editing and storage.

Pines TOUGH

The CNC 15 has a rugged, compact design for efficient and productive performance. It has the flexibility to perform either draw bending or compression bending depending on the application requirements. Featuring Pines exclusive hitch feed function; the CNC 15 can bend tubes of unlimited length without extension to the carriage travel. By eliminating tool/ carriage interference on the final bend, the hitch feed feature increases machine productivity and reduces material waste.

FEATURES

Capacity Up to 1/2" OD Steel & 5/8" OD Copper
 Programs Up to 32 Bends Per Part
 Hitch Feed Function Allows For Any Part Length
 Fully Automatic, Semi-Automatic and Manual Modes
 Ten Programmable Speeds For Each Axis
 Spring-back Compensation
 Easy Set-up and Operation
 Compact Design
 6" Color Touch Screen & PLC control
 Network integration
 Color Touch Screen Display
 Integrated tool storage
 Each axis has 10 independent speed settings
 Retrofit packages available to convert from Digital control to PLC control
 CMM Interface Capability



Available Options

Mandrel Extractor

For use with operations requiring a mandrel.

Work Station Software

Work station software that provides interface capability with IBM compatible PC system.

Specifications

Machine Capacities:

5/8" O.D. Copper
 1/2" O.D. Steel
 3/8" O.D. Stainless Steel
 5/16" O.D. Solid Wire

Repeatability:

DBB \pm .005 inches
 POB \pm .10 degrees
 DOB \pm .10 degrees

Carriage Travel:

36" Maximum

Collet Rotation:

360 degrees

Bend Arm Rotation:

195 degrees

Electrical:

120 VAC, 60Hz
 220 VAC, 50Hz

Shop Air:

70 - 90 psi