



Pines specializes in custom Tube and Pipe processing machinery. Pines provides tooling, process technology, and tube bending solutions across a wide variety of industries.



Bench-Top Bender

Model CNC 15 Fully Automatic CNC Bench-Top Bender

The Pines' 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.

Tested

Since 1943, Pines 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.

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 bidirectional off line programming, editing and storage.

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.

Pines CNC Machines

CNC 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
- UL Version Available
- 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 Unlimited Speed Settings
- Retrofit Packages Available To Convert From Digital Control To PLC Controls
- 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 ± .005 inches
 POB ± .10 degrees
 DOB ± .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

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