



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

CNC-10 Product Highlights



Coaxial Cable Bender

- 6" Color Touch Screen & PLC control
- Network integration
- TS Work Station Software
- Integrated tool storage
- Each axis has 10 independent speed settings
- Retrofit packages available to convert from Digital control to PLC control
- CMM Interface Capability

Coaxial Cable Bender

The Pines' Model CNC 10 is a fully automatic bench top coaxial cable bender that produces complex parts quickly and efficiently. This totally electric bender with pneumatic tool action requires minimal operator assistance. Cable 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 10 is designed for superior production performance and reliability for cable bending applications.

Tested

Since 1943, Pines has pioneered new technology and set industry standards for tube bending equipment. With the CNC 10, Pines offers a fully automatic bench top bender that can accommodate up to 1/4" O.D. coaxial cable (with .250" head option). Able to program up to 32 bends per part, the CNC 10 simplifies set-up, programming, and operation for production in cable bending applications.

Trusted

Simple to program and operate, the CNC 10 has a color touch screen that can be programmed for English or metric input. Operators can easily enter, edit, and change bend information. For increased flexibility and productivity, a compatible PC can be connected to the unit for off line programming, editing and storage (with optional workstation software).

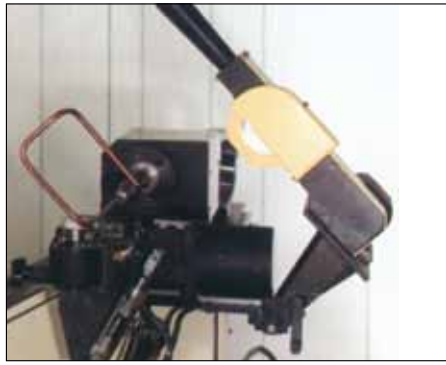
Tough

The CNC 10 has a rugged, compact design for efficient and productive performance. Featuring Pines exclusive hitch feed the CNC-10 can bend tubes 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-10 Coaxial Cable Bender With .141 O.D. Bend Head



Heavy Duty Head handles up to .250 O.D.



Integrated Tool Storage



PLC Controlled

Specifications

Repeatability:

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

Carriage Travel:

24" Maximum
Collet Rotation:
360 degrees

Bend Arm Rotation:

195 degrees

Electrical:

120 VAC, 60Hz@ 10A
Power converter available
for alternate voltages

Pneumatic:

70 - 90 PSI

CNC Features

- Capacity Up to 1/4" OD Coaxial Cable
- Programs Up to 32 Bends Per Part
- Hitch Feed Function
- Integrated Tool Storage
- Fully Automatic, Semi-Automatic and Manual Modes
- Two Programmable Speeds For Each Axis
- Color Touch screen
- Spring back Compensation
- Easy Set-up and Operation
- Compact Design
- 1000 parts can be stored on the compact flash card.
- Up to 3 bending radii per part
- Each axis has up to 10 speed settings

Available Options

- *TS workstation PC compatible software package consisting of the following features:*
- Part program entry from XYZ, or YBC data
- Part program data conversion to or from XYZ or YBC
- Part program data conversion to or from absolute or incremental
- Part program storage on hard disk, USB, Network or floppy
- Part program reversal and mirror image conversions
- Graphic display of the part with ability to rotate in any direction
- Cutoff Saw to cut the completed coaxial cable parts to length after bending
- Heavy Duty Head for up to 1/4" O.D. capacity requirements

Pines Engineering, 29100 Lakeland Blvd., Wickliffe, OH 44092, USA

I (800) 207-8211 • (440) 278-7200 • fax: (440) 278-7210 • info@pines-eng.com • www.pines-eng.com