



Building superior semi-rigid coax fabrication solutions

Winton's coax cable bending equipment utilizes a wipe bending process that allows two bends to be tangent to one another so designers can maximize the compactness of the cable routing. Programming is simple and quick using a Windows PC interface or an industry standard STEP file from a CAD system. Winton CNC benders are built with common components that are available worldwide.

Coax Fabrication Equipment

Winton offers a wide range of coax fabricating equipment including: hand benders, CNC benders, CNC bench-top cutoff machines and a digital protractor. This line of equipment is specifically designed to make the coax fabrication process simpler.



PC - Based CNC Benders
RD5



CNC Bench-top Bender
CX6



CNC Feed and Cut with High Speed Saw
CTL-6S



Coax Pointer
CP6



Coax Stripper
CS6

Winton Coax Advantages

- Machines use a wipe bending process.
- All models have .250" bending capacity.
- All CNC solutions are designed around state-of-the-art electronics and the most up-to-date software.

- By adding a power straightener to the Model CTL-6S, the combination can pull from a bulk spool and cut precision lengths for phase matching applications.
- Model AM40 uses a high resolution encoder to accurately measure a bend angle.



CNC Bench-top Bender
CX6



PC - Based CNC Benders
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Coax Stripper
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CX6 Machine

The CX6 machine is a single radius CNC coax bender that is capable of producing repeatable three dimensional profiles.

CX6 Features

- This three-axis CNC bench-top machine provides for fast and accurate coax processing with a standard offline Windows interface; PC included.
- The CX6 can bend right hand or left hand. This feature is field configurable.

RD5 and RD8 Bending Machines

Winton's RD5 and RD8 bending machines provide an additional option for a dual radius bend head and remote dual palm stand. Running standard on Windows 8, these servo-driven machines are able to make the same precision, three-dimensional bends in a single work piece as the CX6, in one-third of the time. Several additional software features are standard with the Windows 8 platform.

RD5 and RD8 Features

- An enhanced software feature allows the user to program complex shapes in under a minute and offers a 3D viewer for part verification prior to bending.
- Dual stack bending option for cables with two different bend radii.
- Bending with connectors is simplified with the addition of recent software enhancements.
- An optional STEP file converter enables user to quickly program a part direct from CAD.
- The multi-part programming option supports a lean manufacturing environment.

CS6 Coax Stripper

Winton's model CS6 coax stripper is designed to remove the outer jacket and the insulator in a series of precision seamless coordinated motions. This 2 axis cnc stripper uses high precision stepper motors to insure the correct amount of material is removed leaving the center conductor unaffected. The touch screen makes it simple to program in the final stripped lengths and diameters. The microprocessor takes care of the rest. Precision and repeatability...that is what you will be adding to your manufacturing process by employing a Winton stripper.

CTL-6S Machine

Winton's bench-top cut-off machine is an automatic feed and cut, designed specifically for cutting semi-rigid coax cable. This automatic feed and cut machine transforms bulk coax cable into precision cut lengths and uses a programmable, electric cross feed high speed saw for precision cutting. A user friendly keypad and display allows for efficient cutting, shorter processing time and less waste.

CTL-6S Features

- Ensures the cable has a consistent VSWR (the overall length of the cable must be repeatable, including a clean squarely cut end).
- Feed system advances the cable prior to cutting.
- Air jet prevents the saw blade from loading up during production.
- The PLC keypad and display efficiently allows the user to cut a variety of lengths without stopping production.

AM40 Digital Protractor

Winton's patented AM40 is a digital protractor designed to measure the bend angle of numerous bend configurations. Its measuring range is from 0 to 360 degrees in increments of 0.1 degrees, and uses a high-resolution encoder to ensure the repeatability of the bend angle measurement. The digital readout, displayed in large numerals, updates continuously to show the real-time bend angle.

AM40 Features

- Uses two arms to measure a bend angle: one arm is fixed and the other arm (dynamic) has two axis of motion.
- The dynamic arm features both rotational and linear motion. The rotational motion is guided by heavy duty bronze bearings and the linear motion is guided by a linear ball bearing.
- These combined motions allow the AM40 to move quickly from one bend configuration to another while providing sensitivity for accurate measuring.

Hand Bender

Winton hand benders are crafted from precision hardened steel and are available in several standard sizes for semi rigid coaxial cable. These benders are portable and compact for shop or field use and provide a precision bending motion to maintain the VSWR. Each hand bender is assembled for a smooth bending action --to bend a maximum angle of 185 degrees --that will not scratch the cable's jacket. We also offer dedicated tooling (production-ready) to bend the cable the same shape time and time again if you are trying to hold a specific set of dimensions.

CP6 Coax Pointer

Winton's model CP6 coax pointer is designed to impart a point on the end of a center conductor in one seamless motion. This powered device uses a high speed AC motor coupled to precision cutters to insure an accurate point is machined onto the end of the conductor. The single push button action keeps things simple in manufacturing. Interchange guide plates allows a user to support the coax during a pointing operation. Precision and repeatability...that is what you will be adding to your manufacturing process by employing a Winton pointer.



CNC Feed and Cut with High Speed Saw
CTL-6S



Digital Protractor for Precise Measuring
AM40



NC Series Hand Benders for smooth bending



Coax Pointer
CP6

Providing Complete Engineered Solutions: Design, Build and Ongoing Support.



What Winton Provides

- High quality machines made in America
- Ability to engineer a solution from an existing design
- Innovative software coupled with state-of-the-art electronics
- Ongoing support long after the initial sale

U.S. based Winton Machine engineers high quality, American-made solutions and has manufactured over 100 different types of machines for companies around the globe.

Winton Machine Offers its Customers Engineered Solutions.

Winton engineers a solution that provides our customers with the best return on their investment. We are capable of modifying our existing machine designs as well as engineering new solutions. The number one goal at Winton is to provide our customers with the best manufacturing equipment. From the U.S. to China, South Korea, Russia, and Israel to Mexico, Ecuador and Sweden, Winton serves companies worldwide. What sets us apart is our ability to design and test at our location as well as our dedication to building and servicing our machines.

Our Customer Service Commitment. Built with common components, including bearings, sensors and microprocessors, we work closely with dedicated distributors worldwide to provide fast and efficient service to keep our customers up and running.

Other Winton Machinery

CNC Benders:

Rotary Draw, Roll, Serpentine, Vertical

Transfer Systems:

For High-speed Tube Fabrication

CNC Cutters:

Chipless Type for Tubing

End Formers:

Ram and Segmented Finger Type

“Winton was able to deliver machines with tight tolerances for cutting and bending coaxial cable. They provided superior training here in Russia and stayed with us until we were running the machines with confidence.”

– Alexey Leonov, SMT, Department Manager
Absolut Electronics



Call 1.888.321.1499 or email
sales@wintonmachine.com
for more information.
www.wintonmachine.com



Complete engineered solutions: design, build and ongoing support.