



## **Taiwan SOCO - Tube Bending + Wire Bending + Cutting in 1 Pipe Bender**

*ATM-19 CNC Tube and Wire Production Cell from Uncoiling + Straightening + End Forming + Bending + Cutting*

**Aug. 27, 2009** - [PRLog](#) -- Taiwan SOCO Machinery - [www.soco.com.tw](http://www.soco.com.tw)

### **5 Process in 1 Pipe Bender**

The new SOCO ATM-19, 5 axis CNC Tube and Wire manufacturing line can combine different working processes for a complete Production Cell. The processes include:

1. Uncoiling
2. Straightening
3. Pipe Bending / Wire Bending
4. End Forming
5. Cutting

This Production Cell can work with tubes up to O.D.19mm in copper and O.D.8mm in wire; Min. O.D. capacity is 4mm both tube and wire.

### **Advanced SOCO's DGT**

Equipped with SOCO's unique DGT technology ( Direct Gear Transmission ) is the worldwide patented bending system that offering the highest accuracy and repeatability in bending. The Advantages of DGT?

- Chain free transmission
- Built-in gearbox with direct connection to electric servo
- Highest transmission performance (90%+ efficiency)
- High bending accuracy (  $\pm 0.05^\circ \sim \pm 0.1^\circ$  )
- Low noise level
- Maximum Working Area = Minimal Interference
- Elongated neck for superior clearance
- Compact bending head
- Side carriage and bending head

### **Software and Operation Interface**

It includes built-in the SOCO proprietary software and operation interface, with an Industrial PC (IPC) + Touch Screen, Bending interference and Collision simulator and many other control and software features.

#### **Optional Features:**

- Bending interference and collision simulator
- Report system for Production Management
- Reading AUTOCAD files (with Auto LISP)
- Remote monitoring system of bending production

This Production Cell is especially designed for the production of small and medium diameter tubing and wire, and is widely used in industries such as Automotive Air-Conditioning, Heating, Refrigeration Systems and Home Air-Conditioning.

[http://www.youtube.com/watch?v=S-vPH\\_6bMyc](http://www.youtube.com/watch?v=S-vPH_6bMyc)

# # #

Founded in 1979, SOCO is one of largest manufacturer of CNC machine in worldwide. From establishment of business, SOCO dedicated Circular Sawing Machine ( Cutting Machine ). In order to raise competition, SOCO developed Tube Bending Machine ( Tube Bender ) , Chamfering Machine ( Tube End Finishing and Facing Machine ) and End Forming Machine. As the founder and leader of this industry in Taiwan, SOCO has built its reputation by offering advanced technology and unsurpassed machine performance.

As the leader of CNC machine maker, SOCO has strong experience by building firm partnerships with its partners and customers around the world, Since SOCO always listen from partners, and provided pioneering machine design, functions, extreme quality, customer service and management.

Headquarters is located in the Taichung Industrial Park.

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