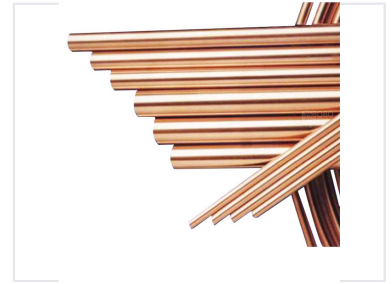


# Tube Straightening and Chipless Cutting Machine

This chipless tube straightening and cutting machine is designed for processing copper and aluminum tubes, primarily used for tube blanking before bending or welding in condensers and evaporators. Its three-part clamping die, inspired by lathe chucks, minimizes tube distortion during cutting and simplifies die changes and adjustments.



## ADDITIONAL IMAGES



## Overview

### Precision Tube Processing

This chipless tube straightening and cutting machine is engineered specifically for copper, aluminum, and Bundy tube applications. It is an essential solution for tube blanking prior to bending or welding processes in condenser and evaporator manufacturing. By utilizing a unique three-part clamping die structure, the machine minimizes tube distortion while ensuring high concentricity and smooth, burr-free cutting surfaces.

## Key Features

### Core Advantages

- Three-part clamping die minimizes tube distortion
- High accuracy concentricity for superior welding quality
- Chipless cutting with 360° rotary mechanism
- Two-point clamping for stable processing
- Straightening system with Nylon wheels and 'U' shape rubber belt to prevent surface scratching

## Technical Specifications

### Performance Metrics

**20 mm**

Max Tube Diameter

**60 m/min**

Max Work Speed

**0.5 mm/m**

Cutting Tolerance

**1.12 KW**

Motor Power

### Machine Specifications

Parameter	Details
Tube Material	Copper / Aluminum / Bundy tube
Tube Diameter	4-20mm
Min Cutting Length	>50mm
Control System	PLC / HMI
Power Supply	380V, 50Hz, 3Phase
Dimensions	2300 x 650 x 1300 mm
Weight	460 KG

## Construction

### Build Materials & Finish

Welded Main Frame, Powder Coating, Customizable Color