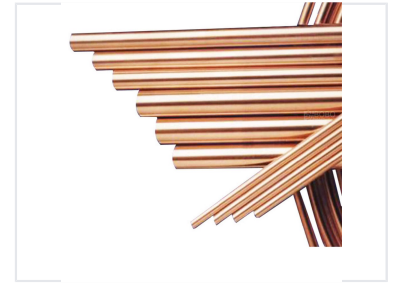


Tube Straightening and Chipless Cutting Machine

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