

# Ultrasonic Terminal Welding Machine

## Product Introduction

AUPINS ultrasonic terminal welding machine is a vertical CNC welding machine with a lifting adjustment that meets ergonomic requirements. It adopts a four cylinder dual solenoid valve control system, which runs stably and is operated on an industrial touch screen with intuitive data. The independently developed transducer, generator, amplitude lever, welding head, etc. By AUPINS greatly improve the overall performance of the machine. It is suitable for welding copper wire/tinned wire/aluminum wire and copper/aluminum terminals, and is widely used in various fields such as automobiles, instruments, communication equipment, and household appliances.



## Product Features

- Adopting advanced ultrasonic welding technology
- Easy to operate
- Automated welding is controlled by industrial computers
- Password protection and data storage
- Low maintenance costs
- Anti empty or error welding function
- Data storage
- Error prevention and quality monitoring
- Supports multiple welding modes

## Technical performances

### 01 Mechanical Performance

Size: 2060\*1010\*2300mm

Weight: 860kg/944kg

Data storage: 100,000 sets of product welding data

Production efficiency: 120pcs/H-150pcs/H

Copper wire welding range: 16mm<sup>2</sup>-70mm<sup>2</sup>/16mm-120mm<sup>2</sup>/35mm<sup>2</sup>-150mm<sup>2</sup>

Aluminum wire welding range: 16mm<sup>2</sup>-85mm<sup>2</sup>/16mm<sup>2</sup>-150mm<sup>2</sup>/35mm<sup>2</sup>-200mm<sup>2</sup>

Alarm function: Welding result monitoring, control of welding time, energy, pressure, amplitude power, pre-welding height, and post-welding height

Interface display: Displays welding time, energy, power, pressure, number of times, amplitude, frequency and other information

Display mode: 21.5-inch touch all-in-one computer 21.5inch

### 02 Electrical performance

Power: 6200W/13000W/18000W

Input voltage: AC380V 50Hz

Air source pressure: >0.5MPa

## Performance Specifications

Ultrasonic Terminal Welding Machine							
Code	Type	Power(W)	Input voltage(V)	Copper wire welding range	Aluminum wire welding range	Size(mm)	Weight (kg)
29001	AP-UT01	6200W	AC 380V50Hz	16mm <sup>2</sup> -70mm <sup>2</sup>	16mm <sup>2</sup> -85mm <sup>2</sup>	2060*1010*2300mm	860kg
29002	AP-UT02	13000W		16mm <sup>2</sup> -120mm <sup>2</sup>	16mm <sup>2</sup> -150mm <sup>2</sup>		944kg
29003	AP-UT03	18000W		35mm <sup>2</sup> -150mm <sup>2</sup>	35mm <sup>2</sup> -200mm <sup>2</sup>		944kg