

K&MTECH

Ultrasonic System

for Automatic Welding Machine

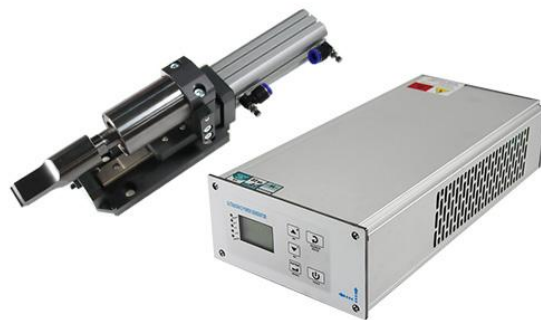


Description

Robotic automation welding technology allows for greater flexibility in series production and assembly, greatly increasing productivity. The compact ultrasonic actuator is lightweight and simple to assemble and can be easily mounted on robots. The ultrasonic actuators combined with the robotic automation control system achieve efficient, repeatable ultrasonic welding. The ultrasonic actuator consists of an ultrasonic converter, coupler, horn, cylinder, and cylinder support.

Features

- Long service life;
- Built-in accuracy and efficiency;
- Advanced ultrasonic assembly;
- Directly coupled in the automation line;



Technical Parameters

Frequency	20kHz	35kHz
Generator Power	1500/2000/3000W	1200W
Welding Stroke [mm]	100mm≤2mm	80mm≤2mm
Generator Panel Display Size	2.04 inches	
Customization	available	

Components

The digital ultrasonic generator can automatically track frequency in real-time, with amplitude adjustable (10%-100% with 1% accuracy); Protection functions include overload protection, voltage protection (input), transducer voltage protection, and mold protection. High performance for your welding needs.



The cylinder and linear guide of the ultrasonic actuators are made of brand materials with ultra-rigid construction and reliable quality for precise ultrasonic welding. For integration into the production line or automation system.