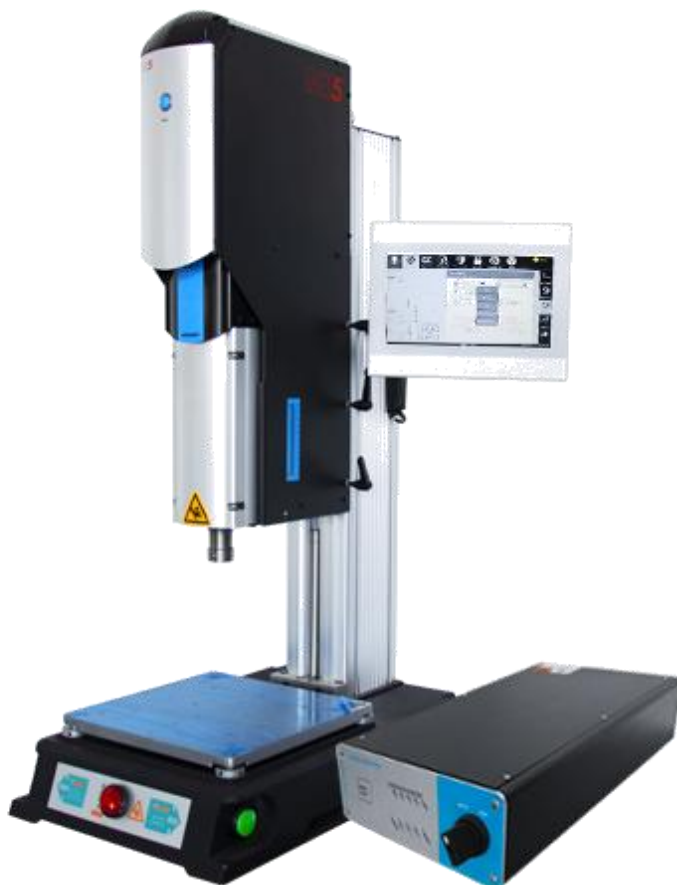


# K&MTECH

Multiple-Function Servo Driven  
Type Ultrasonic  
Welding Equipment  
DX5

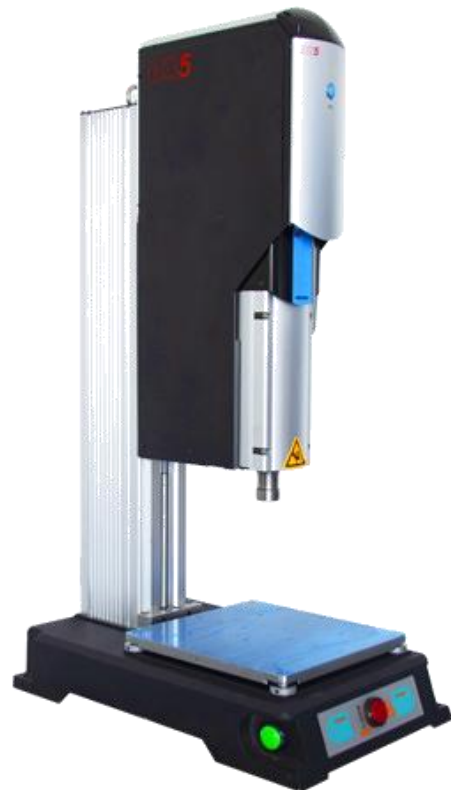


## K&M TECH: Super Precision Standard machine for universal application

The new generation of DX5 welding machines have many innovations: the streamlined profile frame gives it a good appearance; the timely controllability of the DX MAX servo action device gives it excellent welding controllability.

★The servo control system as the core focus allows it to realize the selection of any starting point of the welding process; through the support of SOFTTOUCH mode, the sensitive weld structure of the plastic parts to be welded is taken care of when installing the ultrasonic welding horn;

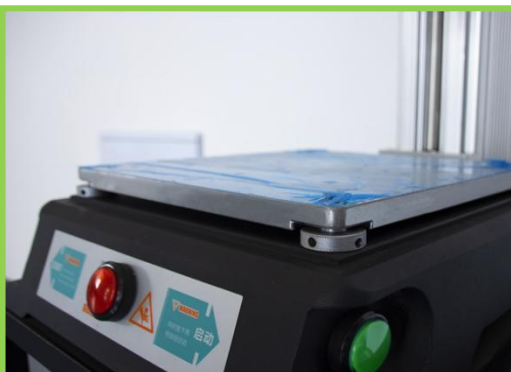
★The process-oriented operator control ensures Super high availability; it is the best choice for your ultrasonic welding machine at any time.



# K&M TECH: Super Precision Standard machine for universal application

## Mechanical Features

- ▶ High-precision welding pressure step-by-step and amplitude step-by-step control
- ▶ Built-in help system, convenient and quick to familiarize yourself with the equipment
- ▶ Multi-stage welding speed control. Welding result inspection
- ▶ Graphical analysis can be used for quality monitoring.
- ▶ Ten groups of model number parameters are stored and memorized, which is convenient for quick mold change.
- ▶ Various auxiliary modes can realize basic automatic control.
- ▶ According to customer requirements, the code scanning gun will be equipped, which is convenient for data traceability.
- ▶ Support Alibaba Cloud IoT platform remote monitoring



# K&M TECH: intelligent Operation

## Many functions for optimum welding results

### Basic working modes

- n Time
- n Energy
- n Ground
- n Absolute Depth
- n Relative Depth

### Amplitude Control

- n Single amplitude

- n Stepping amplitude

### Intelligent management

- n Speed
- n Force
- n Amplitude
- n Quality
- n Data
- n Safety Management

### Special setting mode

### function for convenient setting

- n Servo control
- n Overload protection
- n automatic tracking function
- n Transducer voltage protection
- n Triggering mode: pressure, depth
- n Welding horn impedance analysis + protection function

## Technical Data

Voltage	200-240VAC stable output		
Frequency	15kHz	20kHz	35kHz
Power	3200W	3200W	1500W
Minimum/maximum welding force at 8 bar* [N]	*50/3500	30/2500	20/1500
Working stroke (mm)	100		
Motion System	Servo motor		
Trigger Mode	Pressure, Depth		
Welding mode	Time, Energy, Ground, Absolute Depth, Relative Depth		
Intelligent management	Speed/Force/Amplitude/Quality/Data/Safety Management		
Amplitude Control	Single amplitude/stepping amplitude		
Dimensions at maximum height	650/1385/400mm		
Machine working radius to ultrasonic welding horn	225mm		
Height Adjustment	300mm		
Operation Panel	10 inches touch screen panel		
Feature	USB data export/welding record/data statistics		
Working rack	Square column		
Weldment parameter Recipe	10		
Stored welding counts	99999		
(welding process parameters)			
Additional function control device (optional)	tooling clamping, X, and Y shifters, protective light curtains, film rollers, acoustic enclosure lift gates, etc.		

# K&M TECH: Super Precision Standard machine for universal application

## Ultrasonic welding application:

For all application markets, ultrasonic welding has its unique advantages - fast, Efficient, clean and firm, won the recognition of all walks of life.

### Automobile:

n. ultrasonic wave can be controlled by computer program to implement the welding of large and irregular parts. such as bumpers, front and rear doors, lamps, brakes

n. Lamp, etc. With the development of high-grade roads, reflectors are also increasingly using ultrasound wave soldering.

### Packaging:

n. hose sealing, special packaging belt connection.

### Electronics:

n. use automation scheme design to enable users to achieve large-scale production.

n. At the same time ensure product quality requirements.

### Home Appliances:

n. through appropriate adjustment can be used for: portable lamp shade, steam Ironing door, TV shell, radio, transparent panel, power rectifier,

n. the screw fixing seat of TV shell, the lamp housing for reducing mosquitoes and the sink for washing machine etc.. which need to be sealed and firm and beautiful home appliances.

### Toy Industry:

n. the adoption of ultrasonic technology makes the products clean and efficient, firm, instead of screws, adhesives, glues or other accessories, reducing the risk & production cost, so that the competitiveness of enterprises in the market greatly enhanced.

### Other Commercial Application:

n. communication equipment, computer industry, printing equipment, Audio products, can be welded by K&M ultrasonic equipment, which brought you fast, clean, efficient production methods, and more opportunities.