

Well-Qualified
And Confirmed By



Fine Welding Leading Quality

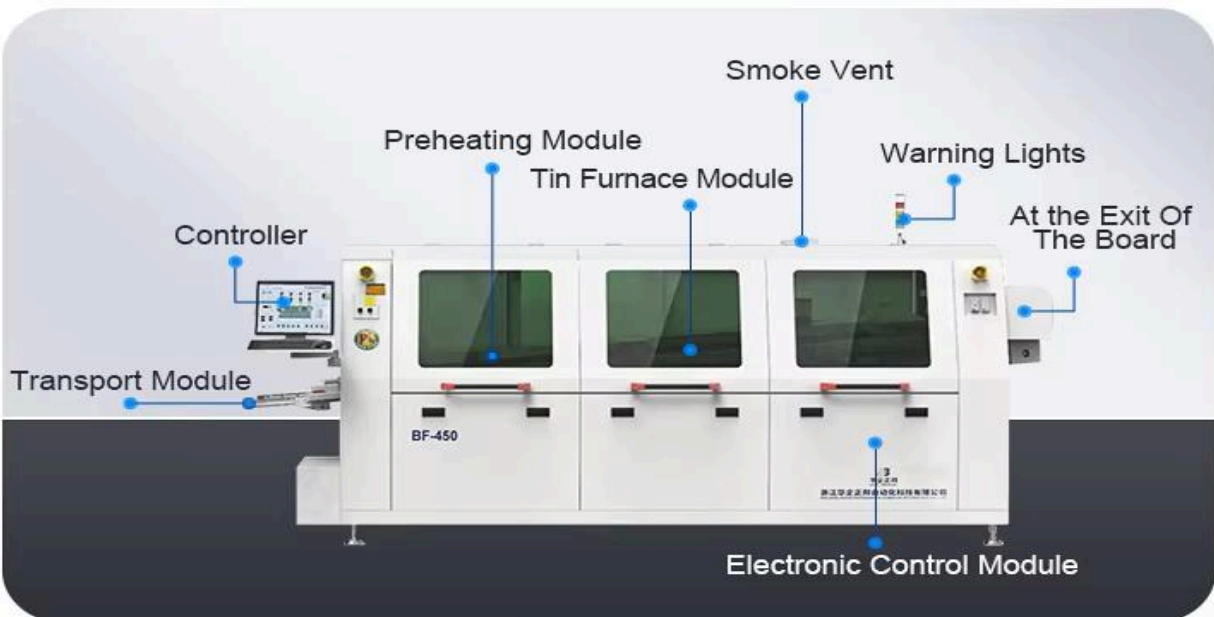
Computer controlled lead-free
double wave soldering machine

LEAD FREE WAVE SOLDERING BF-450



FINE WELDING LEADING QUALITY

Introduction to Wave Soldering Structure



Well-Qualified
And Confirmed By



Five Major Functional Features



Dual cooling
zone design



Regulator



Adjustable



Alarms



Frequency
converter

Work Scenario



Well-Qualified And Confirmed By



Workflow

Welding process of wave soldering machine: insert the component into the corresponding component hole → precoat flux → preheat (temperature 90-100 °C, length 1-1.2m) → wave soldering (220-240 °C) → cooling → remove the excess plug-in feet → inspection.

Single/double wave peak automatic welding machine adopts three-phase asynchronous induction pump development technology, after using comparison, we get the following results:

Because had the characteristic of the vibration wave perturbation overlay, can be effectively out of SMT soft brazing resulting from thermal decomposition of flux and paste agent in the shelter of the gas of brazing area, eliminate skip welding and SMC, SMD shadow area, in meeting the requirements of the SMT soft brazing, at the same time, due to the perturbation wave superposition didn't make the wave soldering have a stronger ability to climb a hole, Improve welding reliability and yield.



Feature

Smooth wave peak without rotating component: because the three-phase asynchronous induction electromagnetic pump produces linear thrust rather than the rotating thrust of the blade of the mechanical pump, the wave peak is smooth, the tin tank liquid level disturbance is small, and oxidation is slight.

Stable wave peak: due to the induction pump technology, combined with the voltage stabilization principle, when the grid voltage fluctuates by 10%, the voltage on the induction pump fluctuates by nearly 3%, so the wave peak is stable.

High efficiency: because there is no pulsating magnetic field component of three-phase asynchronous induction electromagnetic pump, the efficiency is greatly improved. The developed prototype shows that the width of the wave peak is 400mm and the height of the wave peak is 40mm. And the three-phase induction pump's magnetization current is only about 5A, such working conditions ensure that the three-phase asynchronous induction pump works in the state of low heat and low current load, to ensure the long-term life reliability. No moving parts, no wear and tear, truly realize the maintenance free, eliminating the regular maintenance link.



Well-Qualified
And Confirmed By



DETAIL DISPLAY

Humanized Design, More Convenient to Use

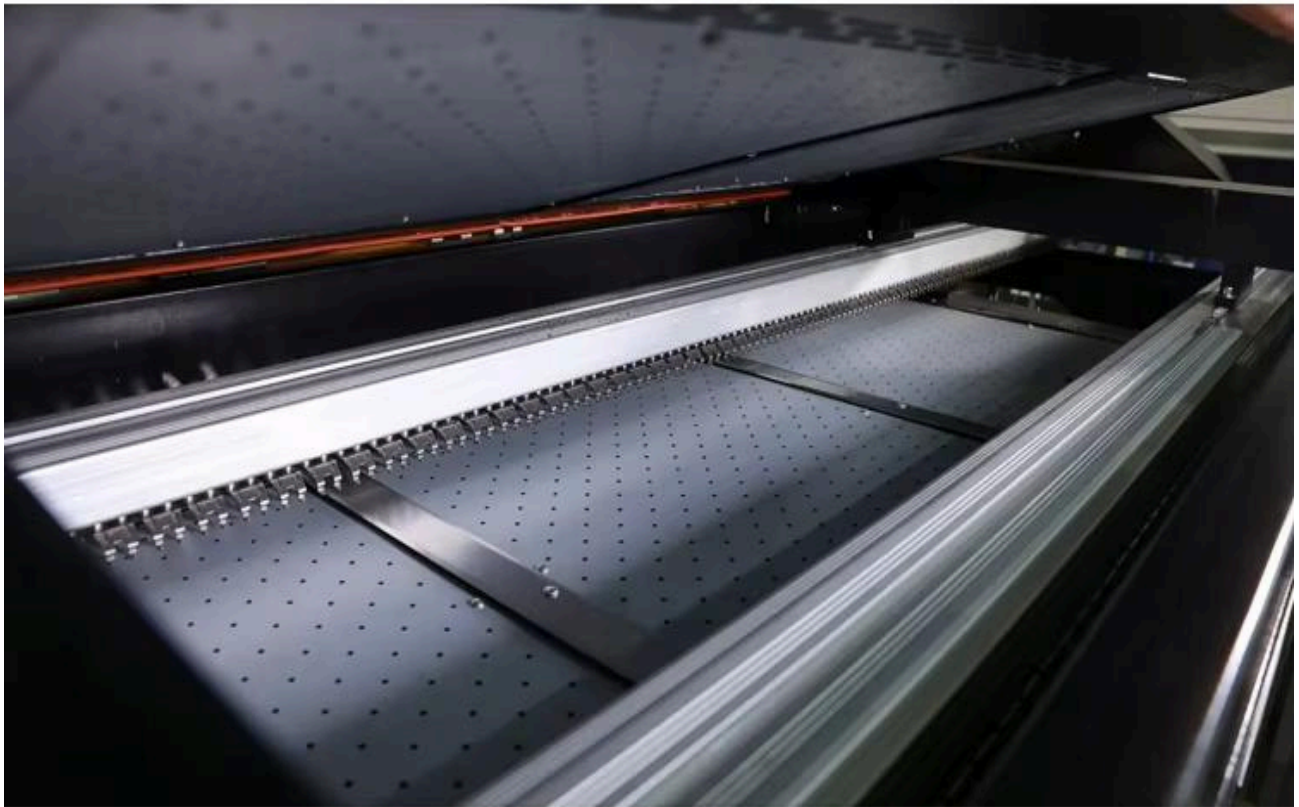


**PRODUCT
ADVANTAGES**

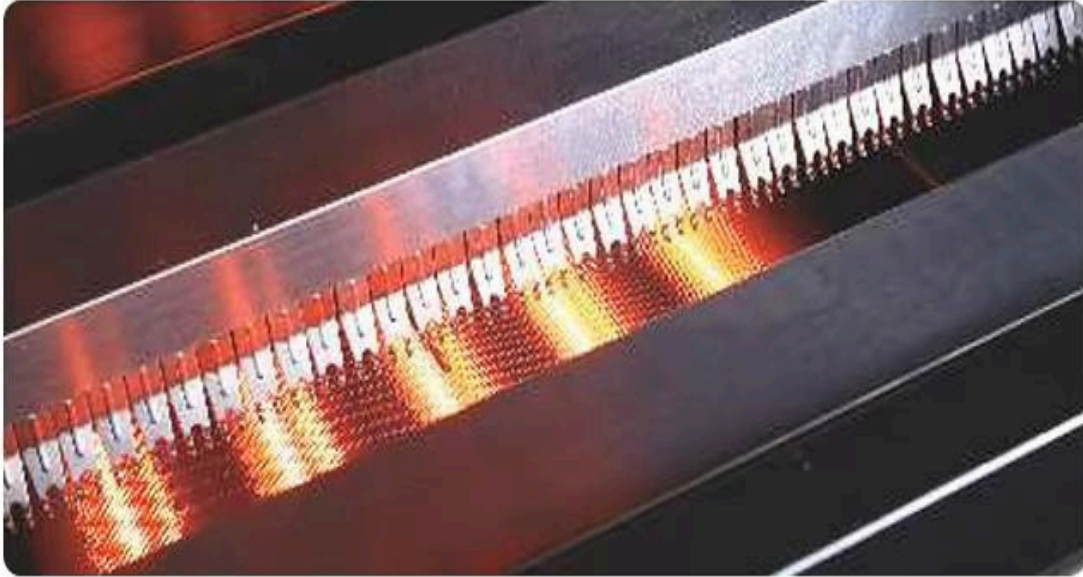
Modular Preheating System



Designed With a Drawer Style Structure.
Easy to Remove for Maintenance and Repair.



Well-Qualified
And Confirmed By



PREHEATING MODULE

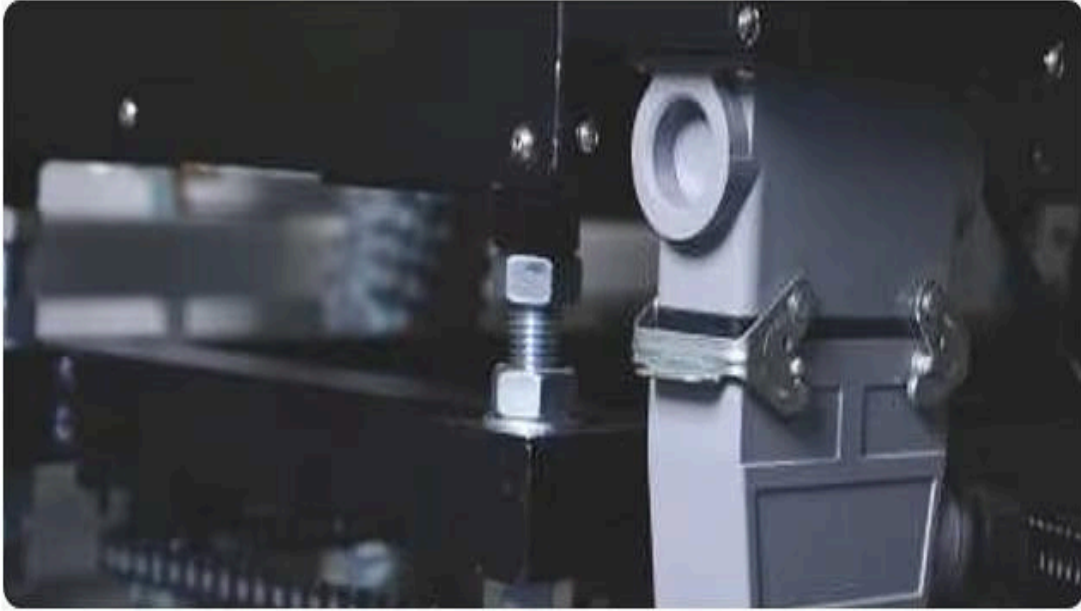
A freely combined preheating module that allows for the selection of multiple styles of hot air and infrared preheating.



SPRAYING SYSTEMS

The flux nozzle is driven by a stepper motor to ensure uniform coating of the flux; The spray system is designed in a modular way, and the spray head is always vertical to the guide rail to ensure that the flux can penetrate the PCB well

Well-Qualified
And Confirmed By



SECURITY PROTECTION

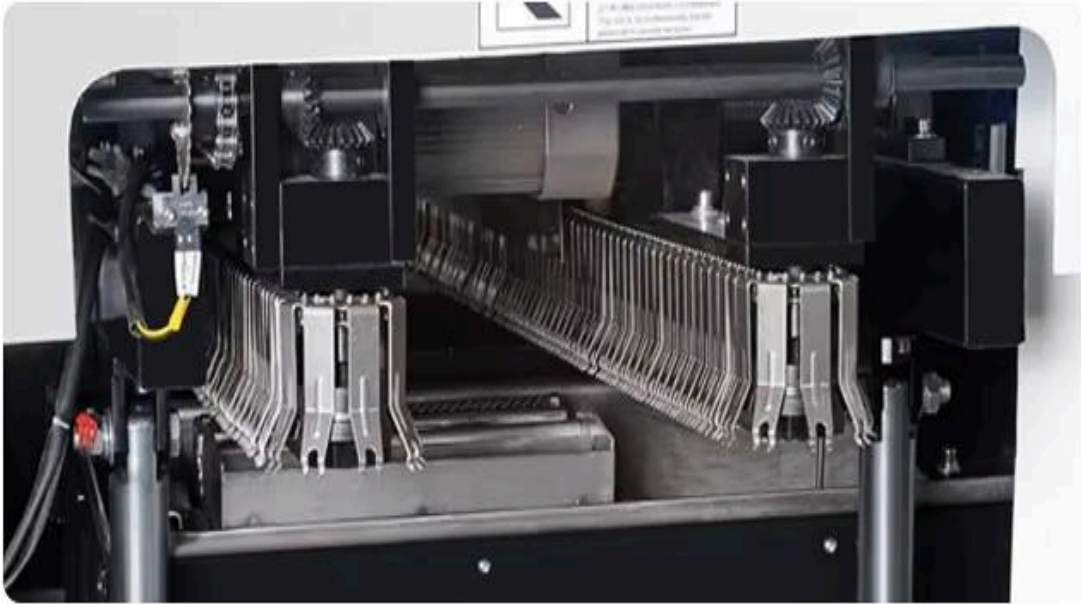
Quick overload plug with dragchain protection,
safer and more reliable



HIGH-POWER

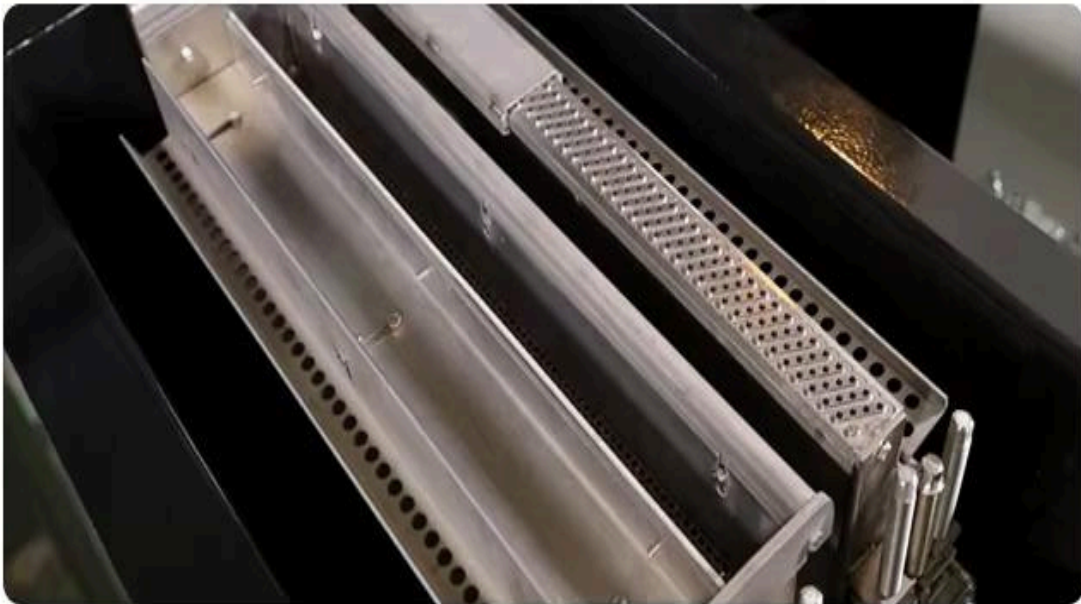
Standard all titanium aluminum bladder, durable for lead-free
environments; 1/2hp high-power peak motor, maximum peak
height of flat wave can reach 15mm

Well-Qualified
And Confirmed By



HIGH PRECISION ADJUSTMENT

Width adjustment is achieved through three-point synchronous adjustment of helical gears and high-precision trapezoidal screw rods



NEW PEAK NOZZLE DESIGN

Low tin slag oxidation rate, new peak nozzle design; The tin furnace has automatic entry and exit lifting function

Well-Qualified
And Confirmed By



ELECTRONIC CONTROL MODULE

Fully computerized control. Computer, UPS and controller form a stable system;

OEM&ODM

PROFESSIONAL PRODUCT CUSTOMIZATION SERVICE

We provide professional product customization services, you can choose to customize your LOGO, Product Packaging, Product Appearance Patterns, to create your own personalized products

A GOOD AFTER-SALES SERVICE

We provide a complete after-sales service, from transportation to receipt to use of after-sales tracking services.

