

JW MACHINERY

JW Brazing & Welding Machine Catalog

Automatic Soldering, Brazing & Induction Heating Solutions for Metal Joining

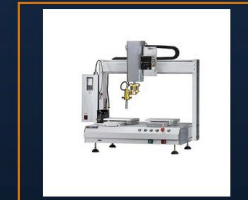
Professional brazing, soldering and induction heating equipment — desktop soldering robots with dual Y-axis, robotic arm automatic copper brazing machines and portable high-frequency induction heaters from 15KW to 80KW, engineered for precision metal joining in electronics, HVAC, automotive and metalworking industries.

XIAMEN JINGWEI TECHNOLOGY CO., LTD.

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Soldering | Brazing | Induction Heating



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Product Overview

Desktop soldering robots, robotic arm brazing machines and high-frequency induction heaters for precision metal joining applications



WPM-805

Desktop Rotary Soldering Machine with Dual Y-Axis

Dual Y-axis alternating work for high efficiency

Spot/line/circle soldering
with 50-500°C temperature control

Desktop design for inline production placement



WPM-155

Automatic Copper Brazing Machine with Robotic Arm

Robotic arm + high-frequency induction brazing

8 seconds per piece high-speed cycle
20KW high-power brazing for copper workpieces



WPM-15-80AB

Portable High-Frequency Induction Brazing Machine 15-80KW

15-80KW full power range with 6 models

Portable split design for flexible workshop use
Multi-application: brazing, forging, quenching, annealing

Desktop Rotary Soldering Machine with Dual Y-Axis



Description

The WPM-805 is a high-precision desktop rotary soldering machine featuring a dual Y-axis platform that enables alternating automatic soldering, significantly reducing workpiece loading/unloading downtime. It supports spot, line and circle soldering modes with fully programmable parameters including tin feed length, pre-heat time, soldering duration and retract height. The temperature control system covers a wide range from 50°C to 500°C for various soldering applications including automotive electronics, digital products, LCD panels, PCBs, connectors (RJ45), FFC/FPC cables, computer boards, wires, speakers, LEDs and toys. The machine is equipped with an automatic soldering tip cleaning function, bilingual English/Chinese interface, and supports CAD and CorelDRAW file import for programming. Stepper motor drive delivers fast positioning speeds of 500mm/s on X/Y axes and 300mm/s on Z axis. Custom fixtures and tooling are available to match specific workpiece requirements.

Parameter	Value
Model Number	WPM-805
Dimensions	840.5×585×815mm
Working Platform (X×Y×Z)	500×300×100mm
Weight	55kg
Max Loading (X/Y/Z)	5/5/3kg
Display	LCD
Motor System	Step motor
High Speed	X/Y 500mm/s, Z 300mm/s
Power	150W
Temperature Range	50-500°C
Compatible Files	CAD, CorelDRAW

Key Features

- Dual Y-axis alternating work for high efficiency
- Spot/line/circle soldering with 50-500°C temperature control
- Desktop design for inline production placement

MODEL: WPM-805

Automatic Copper Brazing Machine with Robotic Arm



Description

The WPM-155 is an advanced automatic copper brazing machine integrating a robotic arm with high-frequency induction brazing technology, developed for automated welding of various copper workpieces. The six-axis robotic arm precisely positions workpieces while the 20KW high-frequency induction heater delivers rapid, uniform heating for strong, consistent brazed joints. The machine achieves an impressive cycle time of just 8 seconds per piece, making it ideal for high-volume production lines. It features a water cooling system with 0.2MPa hydraulic pressure and influent temperature control below 40°C for continuous operation stability. The automated process eliminates manual brazing inconsistencies, reduces labor costs and improves joint quality. The machine offers wide application range, excellent welding results, high production efficiency, cost savings and environmental benefits. Main engine dimensions are 2100×900×2100mm with a total floor space requirement of 5020×2100mm including auxiliary equipment.

Parameter	Value
Model Number	WPM-155
Air Pressure	0.5-1.0 MPa
Voltage	AC220V/50Hz
Max Power (Main Engine)	3.4KW
Power (Main Engine)	1.5KW
Max Power (Brazing Machine)	20KW
Cooling Hydraulic Pressure	0.2MPa
Influent Temperature	<40°C
Speed	8 seconds/piece
Dimensions	2100×900×2100mm
Floor Space	5020×2100mm

Key Features

- Robotic arm + high-frequency induction brazing
- 8 seconds per piece high-speed cycle
- 20KW high-power brazing for copper workpieces

Portable High-Frequency Induction Brazing Machine 15-80KW



Description

The WPM-15-80AB series is a comprehensive line of portable high-frequency induction brazing machines covering power outputs from 15KW to 80KW across six models (WPM-15A/AB, WPM-25A/AB, WPM-30AB, WPM-40AB, WPM-60AB, WPM-80AB). The split generator-transformer design enables flexible placement in workshop environments, with the handheld induction coil allowing precise localized heating. Output frequencies range from 30-100KHz for optimal induction heating across different workpiece sizes and materials. These machines support a vast range of applications: diamond blade brazing, cutting tool brazing, rod heating for forging, copper tube brazing (HVAC, refrigeration), shaft quenching, stainless steel vessel annealing, and various heat treatment processes. Built-in auto heating, heat retaining and cooling timers (1-99 seconds) ensure repeatable process cycles. The water cooling system protects against overheating with <40°C water temperature monitoring. Lower power models (15-25KW) run on 220V single-phase power, while 30-80KW models require 380V three-phase supply.

MODEL: WPM-15-80AB

Parameter	Value
Model Series	WPM-15A/AB ~ WPM-80AB
Max Output Power	15-80KW (6 models)
Max Input Current	30-70A
Output Current	200-3200A
Output Frequency	30-100KHz
Input Voltage	220V single-phase / 380V three-phase
Timers	1-99s auto heating/retaining/cooling
Water Temperature	<40°C
Generator Size (80AB)	785×375×590mm
Transformer Size (80AB)	670×420×500mm
Net Weight (80AB)	54kg (generator)

Key Features

15-80KW full power range with 6 models

Portable split design for flexible workshop use

Multi-application: brazing, forging, quenching, annealing

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Request a Quotation

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