



JBC

The Soldering Co.

Heavy Duty Station

High power for industrial soldering applications

Matronic
ELECTRONIC PRODUCTION TECHNOLOGY

Heavy Duty Station

Industrial equipment ready to work intensively.

- 250 Watts peak power
- The exclusive solution for **high-thermal demands** and prolonged soldering applications
- Used in production of **solar panels, multi-layered circuits and components of large dissipation surfaces**
- **Full control of soldering processes** and remote work management thanks to JBC Software with direct connection to JBC Fume Extractors

Easy-to-use menu helps work more efficiently.



Station Customization
Personalize the station parameters according to your application/needs.



Partial Counters
Register total and partial time for each port, such as work and Sleep & Hibernation Modes in hours.



Graphics
In real time, visualize tip temperature and power delivered to the solder joint during the soldering process.



Communication Station-PC
Manage your stations via PC or export graphics by updating its software.

Increase productivity

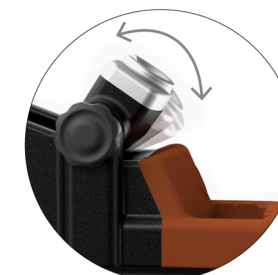
Save time and work on different soldering jobs by using **Quick Cartridge Exchanger**.

Intelligent Heat Management

When the tool is placed in the stand, **Sleep & Hibernation Modes** reduce the temperature and extend tip life up to 5 times.

Suitable position

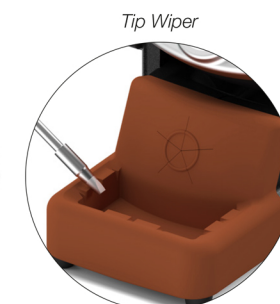
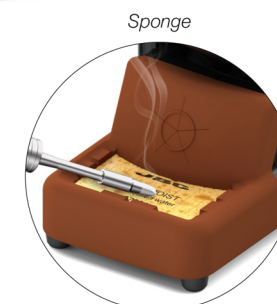
Tool Holder and **Cable Collector** are easily adjustable.



Improve thermal transfer to the tip

The **antisplash membrane** prevents splashing of solder particles and maintains the work area clean.

The most **complete Cleaning System** allows you to choose from three safe methods according to your needs: metallic wool, sponge or metal brush. The integrated wiper also allows you to remove excess solder from the tip single-handedly.



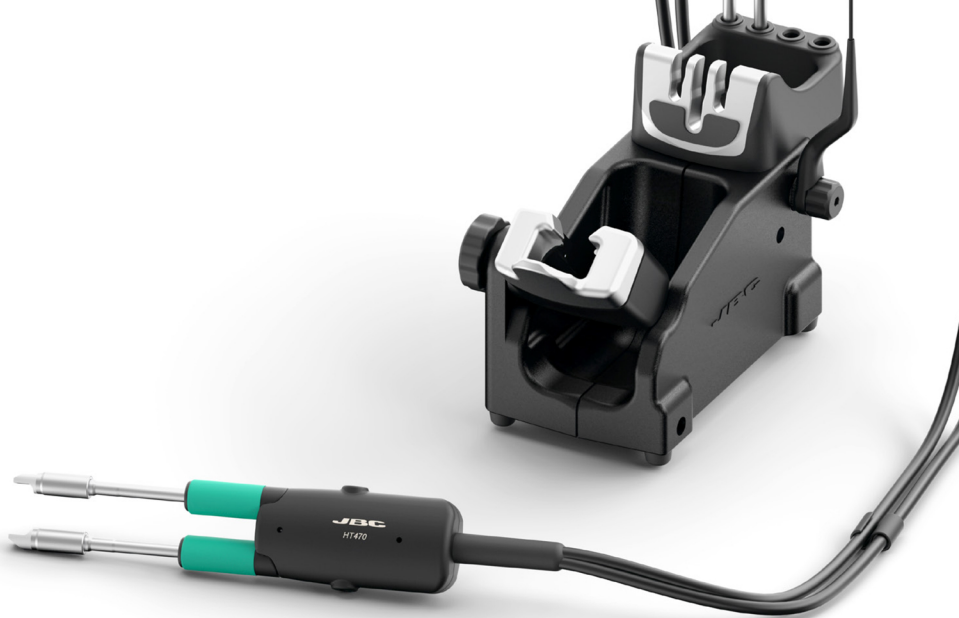
Soldering application using C470012 Cartridge

Connectables

HD Thermal Tweezers

Reduce handling time

HT470K Heavy-Duty Tweezer Kit
It requires two **HDE** Heavy-Duty Control Units in order to manage the cartridges individually and optimize their thermal performance.

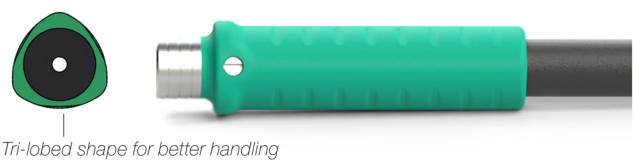


T470 HD Handles

For intensive soldering applications

For intensive soldering jobs requiring continued high-thermal power. They feature a non-slip grip with a good thermal insulation and a fixing screw to secure the cartridge within the handpiece, preventing its rotation.

T470Z Tri-lobed Grip HD Handle



T470 HD Handle
T470S HD Handle with 3m cable



T470F Thermal Insulator Grip HD Handle
T470M Soft Thermal Insulator Grip HD Handle with 3m cable



T470N Nitrogen HD Handle



JBC GN Nitrogen Generator Module or an external nitrogen feed is needed

Specifications

Control Unit Dimensions	148 x 232 x 120 mm / 5.8 x 9.1 x 4.7 in	Temperature Range	90 - 500 °C / 190 - 932 °F
Control Unit Weight	4.9 Kg / 10.8 lb	Idle Temp. Stability (still air)	±1.5 °C (±3 °F) / Meets and exceeds IPC J-STD-001F
Output Peak Power	250 W	Operating Temp. Range	10 - 50 °C / 50 - 122 °F
Ref. - Voltage (AC) / Fuse	HDE-9E - 100 V / Input fuse: 4A	Connections	USB-A / USB-B / Peripheral connectors
	HDE-1E - 120 V / Input fuse: 4A	Tip-to-ground voltage and resistance	Meets and exceeds ANSI/ESD S20.20-2014 IPC J-STD-001F
	HDE-2E - 230 V / Input fuse: 2A		