

# JBC B-IRON 500

## Battery-Powered Soldering Station



Discover B-IRON

B-IRON 500 is specially designed for **electronic production and intensive works**.

It performs up to **500 medium-sized SMD soldering joints** per charge.

Included:

- **B-500 Handle**, which is fully compatible with C210 Cartridge Range. It also has a power safe mode that can be activated by putting on the cap.

- **BCB Charging-Base** for charging the tool automatically when placed in Tool Holder.

It also features **Quick Cartridge Exchanger**, enabling a safe and easy cartridge change, **Tip Cleaner** with Brass Wool and Antisplash Membrane.

- **PDS Portable Display 7"** with B-IRON app to configure and control the system.

Alternatively, use your own device. You can download the app from:



Find more information about features of B-IRON.

**Don't believe us...  
TRY IT!**



## REFERENCES

**BIS-5A** With Portable Display

**BIS-5QA** Without Portable Display

## PRODUCT COMPOSITION

- 1 [Instruction Manual](#)
- 1 [B-500 Handle for B-IRON](#)
- 1 [C210001 Conical Cartridge Ø 0.3](#)
- 1 [BCB Charging-Base for B-IRON](#)
- 1 [PDS Portable Display 7" for B-IRON](#)
- 1 [B1596 Safety Cap for B-IRON Handles](#)

## SPECIFICATIONS

### CHARGING BASE

Input voltage	100 V - 240 V 50/60 Hz
Power	40 W
Tool output	12 V / 1000 mA
USB output	5 V / 1000 mA

### TOOL

Output peak power	24 W
Battery	Li-Ion 7.4V / 750 mAh
Charge time	60 minutes
Selectable temperature	100 to 450°C / 210 to 840°F
Idle temp. stability (still air)	±1.5 °C / ±3 °F
Temperature accuracy	± 3% (Using reference cartridge)
Connections	Bluetooth Low Energy (BLE)
Ambient Operating Temp	10 - 50 °C / 50 - 122 °F
Tool Weight	70 g / 0.154 lb

### WEIGHT AND DIMENSIONS

B-IRON System	233 x 202 x 211 mm / 1.98 kg. 9.17 x 7.95 x 8.31 in / 4.37 lb.
Package	265 x 223 x 160 mm / 2.55 kg. 10.43 x 8.78 x 6.30 in / 5.63 lb.

## Related



**CDS**  
Precision Soldering Station



**TESE**  
Precision Hot Air Station



**DDPE**  
2-Tool Precision Rework Station



**DMPSE**  
4-Tool Rework Station

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## CONNECTABLES

### Compatible tools



B500-A

Handle for B·IRON

### Accessories



B100-KA

Light Handle Expansion Kit for B·IRON



B500-KA

Handle Expansion Kit for B·IRON

### Consumables



CL0301

Wiper for B·IRON Charging Base