BK2602

Intelligent Integrated Soldering Workstation

1. High-precision constant temperature stable output: High-life alloy heating wire, fast thermal response, excellent temperature recovery compensation, and stable temperature control; the heating core resists attenuation, reducing consumable replacement and lowering usage costs.
2. Modular quick-release heating core: Compatible with BC230 and BC245 modules, with high heat conversion efficiency; tool-free assembly and disassembly, quick replacement, and shortened equipment downtime for maintenance.
3. Industrial IoT integration with production lines: Wired/wireless dual-link data acquisition, equipped with an industrial I/O interface, capable of connecting to automated production lines, completing data upload and linkage control, and suitable for intelligent manufacturing.
4. Intelligent integrated main control unit: High-definition screen with visual digital and curve dual modes, Chinese and English bilingual, dual-channel independent temperature control: fault self-diagnosis + multiple safety protections.
5. AI intelligent voice interaction for non-contact operation control: Supports voice temperature adjustment, frees hands and improves repair efficiency.
6. Professional precision temperature control algorithm: Millisecond-level transient thermal compensation for precise heat control; optimized heating curve, suppresses PCB thermal stress, protects substrate pads, and improves rework yield.



Specifications:

Main Unit	Model	BK2602
	Maximum power	280W (MAX)
	Input	AC 230V 50Hz
	USB output	QC3.0
	Dimensions	261X150X130mm
	Display	HD LCD
	Net weight	≈5.5kg
Desoldering-Gun Handpiece (optional)	Maximum power	130W
	Negative pressure	-80 kPa
	Heating element	BK2270
Soldering iron	Power	BC245/130W; BC230/60W
	Heating element shown	BC230
	Temperature range	100°C~480°C (212°F~896°F)