

ALEP Automatic-Feed Soldering Station with ALEP250

ALEP Station is ideal for **high-volume production lines** where operators perform **repetitive soldering tasks over extended shifts**. This station integrates **JBC Most Efficient Soldering System** to guarantee consistent results and efficient operation in demanding environments.

It is supplied with:

- **ALEP250** Angled Automatic-Feed Soldering Iron. Its ergonomic grip-format provides a balanced, **natural hand position during long shifts to reduce operator strain**, while the trigger-actuated feed frees one hand for precise component positioning.
- **GALE10V** solder wire with Ø 1 mm diameter. **ALE** Control Unit is also compatible with **solder wires from Ø 0.4 mm to Ø 1.8 mm**, using the appropriate **Solder Wire Guide Kit**. It includes **Solder Wire Perforation** for diameters from Ø 0.8 mm and above, improving flux outgassing and reducing projections and Foreign Object Debris (FOD).

Features:

- Capacity for **solder reels up to 2 kg / 4.40 lb**
- Three specialized operating modes: **Continuous**, **Discontinuous**, and **Program**, enabling precise control of wire feed speed and length.
- Connectivity: Data download, remote control for traceability, and software updates.

Explore **more features** of Automatic-Feed Stations.



REFERENCES

ALEP-110VA - 120 V

ALEP-210VA - 230 V

ALEP-910VA - 100 V

PRODUCT COMPOSITION

- 1 - Instruction Manual
- 1 - ALE Automatic-Feed Control Unit (GALE10V Guide kit already assembled)
- 1 - ALEP250 Angled Automatic-Feed Soldering Iron
- 1 - ALE-SA Stand for ALEP250 & ALE250-A Soldering Irons
- 1 - SCH Cartridge and Tips Holder
- 1 - C250403 Conical Bent Cartridge
- 1 - PLR196 Cartridge Extractor Plier
- 1 - P405 Pedal

ALEP Automatic-Feed Soldering Station with ALEP250**SPECIFICATIONS**

Nominal power	180 W
Peak power	150 W
Selectable temperature	90 to 450 °C / 190 to 840 °F
Idle temp. stability (still air)	±1.5 °C / ±3 °F (Meets and exceeds IPC J-STD-001)
Temperature accuracy	±3 % (Using reference cartridge)
Temp. adjustment	±50 °C / ±90 °F (Through station menu settings)
Connections	USB-A Update and files import-export USB-B Software PC RJ12 Fume extractor connection
Equipotential bonding	Optional connection to EPA
Tip-to-ground resistance	<2 ohms
Tip-to-ground voltage	<2 mV RMS
ESD safe	Meet ANSI/ESD S20.20
Solder wire diameter	1.0 mm / 0.04 in with GALE10V already assembled
Max. wire length	250 mm / 9.84 in (for discontinuous + program mode)
Min. wire length	0.5 mm / 0.02 in
Max. forward speed	0.5 to 50 mm/s / 0.02 to 1.97 in/s
Max. Backward Function	0.0 to 5.0 mm/s / 0.5 to 0.20 in/s
Programs	5 Programs
Program Steps	1 to 3 Steps (for each program)
USB-A	Firmware update Graphics and profiles
USB-B	PC communications
Pedal connector	Tool control

Compatible Solder Reel

Weight	up to 2 kg / 4.4 lb
Diameter	max. 100 mm / 3.94 in
Height	max. 100 mm / 3.94 in
Reel stand axis	Ø 10 mm / Ø 0.4 in

ALEP Automatic-Feed Soldering Station with ALEP250



WEIGHT AND DIMENSIONS

Control Unit	235 x 170 x 112 mm / 7.83 kg
	9.25 x 6.69 x 4.41 in / 17.25 lb
Package	545 x 345 x 275 mm / 8.50 kg
	21.46 x 13.58 x 10.83 in / 18.74 lb