JBC

The Soldering Co.



ALE

Auto-Feed Soldering Station

ALE Auto-Feed Soldering Station

The ideal solution for soldering processes requiring a free hand.

Intuitive menu and interface

A **user-friendly interface** that allows you to program and personalize your station, feeder and tool settings to make your soldering process more productive.

It allows the operator to work more efficiently thanks to its **3 working modes:**

Continuous Mode - Allows the operator to **manually control the amount of solder wire being fed** at selected speed.

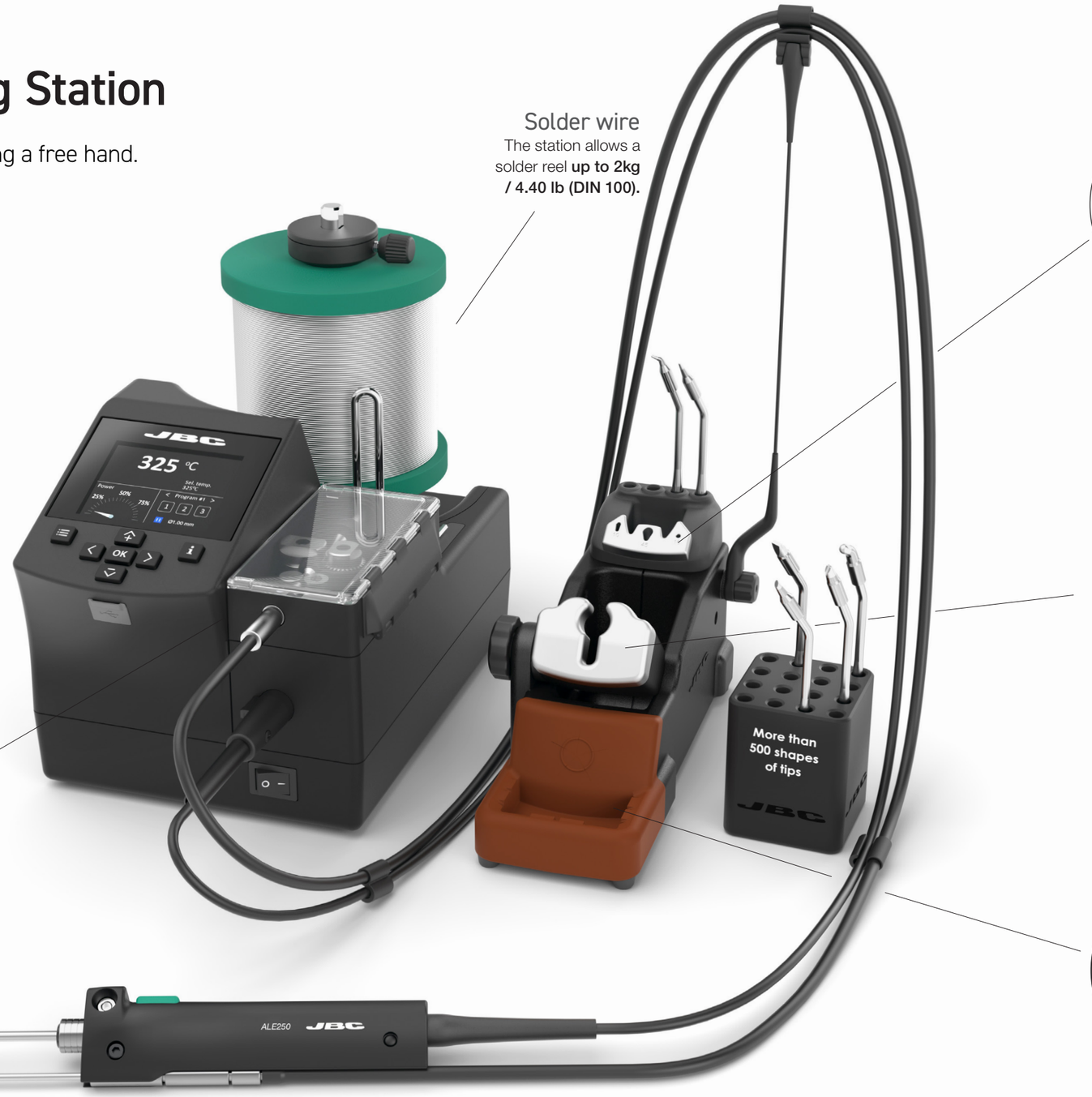
Discontinous Mode - Allows the operator to **program the solder wire speed and length** that will automatically be dispensed when the button of the tool is pressed.

Program Mode - The operator can **customize up to 5 programs, each one with 3 different steps**, making the process more dynamic and efficient.

Guide Sets

Available with or without solder wire perforation. **The perforation allows better flux flow and outgassing,** avoiding solder and flux splashing during the soldering process.





Solder wire

The station allows a solder reel **up to 2kg / 4.40 lb (DIN 100).**



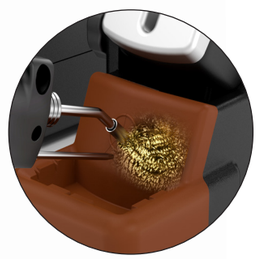
Quick Cartridge Extractor and Holder

Save time and increase productivity by using **Quick Cartridge Extractor**, which facilitates **fast and safe use. Cartridge Holder** allows storing of up to four cartridges.

Intelligent Heat Management

The station incorporates **Sleep & Hibernation Modes** that lower tip temperature when the tool is placed in Tool Holder.

As a result, JBC tip life lasts up to 5 times longer than other brands.



Tip Cleaning System

An integrated tip cleaner with antisplash rubber to **prevent splashes of solder particles** and maintain the work area clean.

The most complete **Cleaning System** allows you to choose from two safe methods according to your needs: metallic wool and sponge.

Specifications

Ref. - Voltage (AC) / Fuse	**ALE-9A** - 100V **ALE-1A** - 120V **ALE-2A** - 230V
Selectable Temperature	90 to 450 °C / 190 to 840 °F
Operating temp. range	10 to 50 °C / 50 to 122 °F
Output Peak Power	150 W - 23.5 V

Connectivity	USB - B
Tip to ground resistance	<2 ohms
Tip to ground voltage	<2 mV RMS
Equipotential bonding	Optional connection to EPA
Complies with CE standards. ESD Protected.	

Compatible solder reel	**Weight** - up to 2 kg **Diameter** - max. 100mm **Height** - max. 100mm
Wire diameter	0.38 - 1.8 mm / 0.015 - 0.073 in
Max. wire length	250 mm/s / 4.72 in/s
Max. forward speed	50 mm/s / 4.72 in/s

ALE250 Auto-Feed Iron

The perfect tool when solder amount consistency is required across repetitive solder joints.



Control Button

By pressing a single button, the tool automatically feeds the precise amount of solder programmed in the station.

GALE10V Guide Kit

The tool is compatible with solder wires **from 0.38 mm / 0.015 in up to 1.80 mm / 0.073 in.**

Cartridge Range

ALE250 Auto-Feed Iron works exclusively with **C250 Cartridge Range**, which features straight and bent tips to best suit your working needs.

Bevel | Conical Bent | Chisel | Chisel Bent

Guide Tube Sets for ALE250



References **with Solder Wire Perforation**

Ref.	Solder Wire ∅
GALE08V	0.8 mm / 0.032 in
GALE10V	1.0 mm / 0.040 in
GALE12V	1.2 mm / 0.047 in
GALE15V	1.5 mm / 0.059 in
GALE16V	1.6 mm / 0.063 in

References **without Solder Wire Perforation**

Ref.	Solder Wire ∅
GALE04D	0.38-0.40 mm / 0.015-0.016 in
GALE05D	0.46-0.56 mm / 0.018-0.022 in
GALE06D	0.60-0.64 mm / 0.023-0.025 in
GALE07D	0.70-0.78 mm / 0.028-0.031 in
GALE08D	0.80-0.82 mm / 0.032-0.033 in
GALE10D	0.90-1.10 mm / 0.036-0.044 in
GALE12D	1.14-1.27 mm / 0.045-0.051 in
GALE15D	1.50-1.57 mm / 0.060-0.063 in
GALE16D	1.60-1.63 mm / 0.063-0.065 in
GALE18D	1.80 mm / 0.073 in