

# JBC

The Soldering Co.



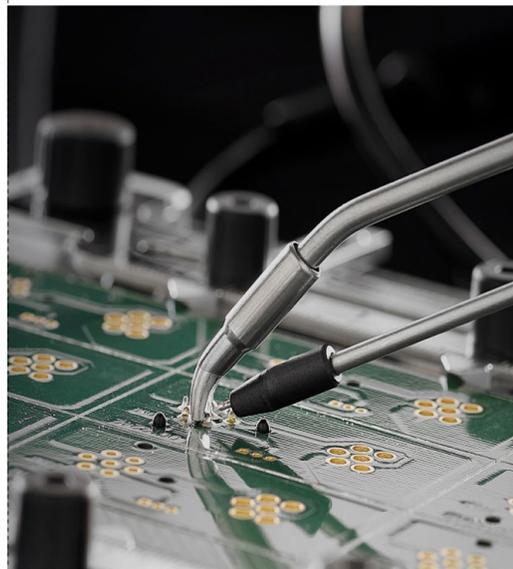
## Automatic-Feed Soldering Stations

When repetition becomes perfection

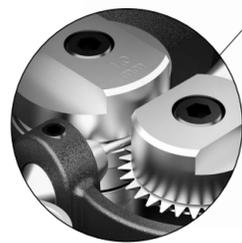
**Matronic**  
ELECTRONIC PRODUCTION TECHNOLOGY

# Automatic-Feed Soldering Station

- Consistently dispenses programmed amounts, ensuring **uniform soldering joints**.
- Work without interruptions makes the **process more efficient**.
- It makes soldering cable and THT components easier by freeing one hand for better stability, while **ergonomic hand positioning enhances repetitive processes**.



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



**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.



## Specifications

Ref. - Voltage (AC)	ALE-910VB - 100V	ALEP-910VA - 100V	Compatible solder reel	<b>Weight</b> - up to 2 kg / 4.4 lb
	ALE-110VB - 120V	ALEP-110VA - 120V		<b>Diameter</b> - max. 100mm / 3.94 in
	ALE-210VB - 230V	ALEP-210VA - 230V		<b>Height</b> - max. 100mm / 3.94 in
Selectable temperature	90 to 450 °C / 190 to 840 °F		Wire diameter	Ø 0.38 - 1.8 mm / 0.015 - 0.073 in
Operating temp. range	10 to 50 °C / 50 to 122 °F		Max. wire length	250 mm/s / 4.72 in/s
Output peak power	150 W - 23.5 V		Max. forward speed	50 mm/s / 4.72 in/s
Connectivity	USB - B		Tip-to-ground voltage	<2 mV RMS
Tip-to-ground resistance	<2 ohms		Equipotential bonding	Connection to EPA

Complies with CE standards. ESD Protected.

## Quick Cartridge Exchanger and Holder

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

## Intelligent Heat Management

The station incorporates **Sleep & Hibernation Modes**, that automatically lower the tip temperature when the tool is placed in the tool holder. As a result, JBC tips last 5 times longer than other brands.

## Tip Cleaning System

The stand includes an integrated tip cleaner with antispash rubber to **prevent splashing of solder particles** and maintain the work area clean.

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

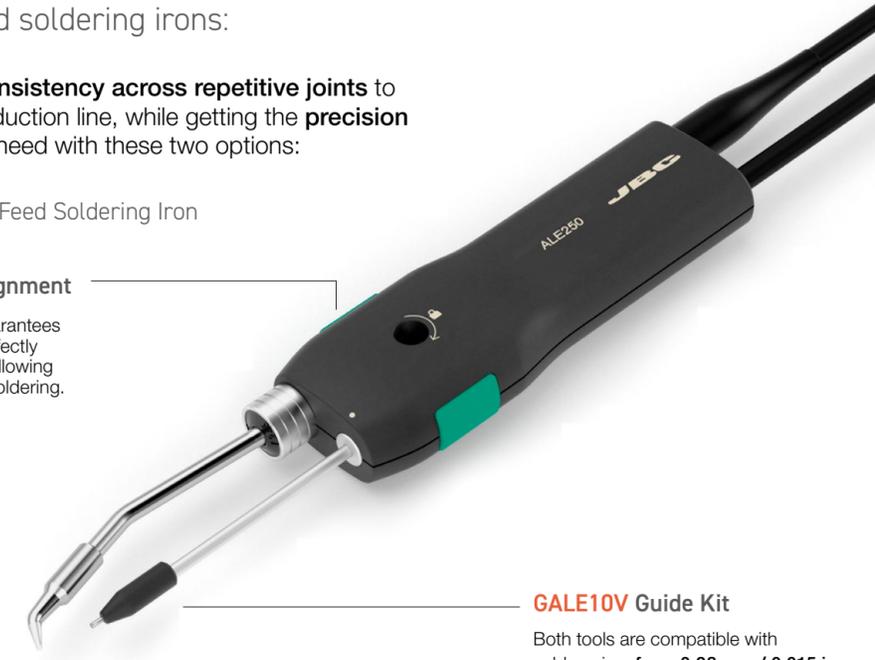
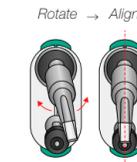
Automatic-feed soldering irons:

Achieve solder **consistency across repetitive joints** to optimize your production line, while getting the **precision** and **comfort** you need with these two options:

**ALE250** Automatic-Feed Soldering Iron

## Easy Cartridge Alignment

The rotation system guarantees that the cartridge is perfectly aligned with the guide allowing higher precision while soldering.



## GALE10V Guide Kit

Both tools are compatible with solder wires from **0.38 mm / 0.015 in** up to **1.80 mm / 0.073 in**.

## Cartridge Range

**ALE250** Automatic-Feed Soldering Iron is compatible with both **straight** and **bent tips**, allowing you to adapt to your specific working needs.

**ALEP250** Angled Automatic-Feed Soldering Iron

## Dragging button

The tool features an ergonomically positioned button that allows the user to automatically feed the exact amount of solder programmed in the station.

This design improves comfort, reduces hand strain, and enhances overall work efficiency.



## Achieve high-precision solder wire dispensing by using these 3 working modes:

### Continuous

**Ideal for products with solder joints that require different amounts of tin.**

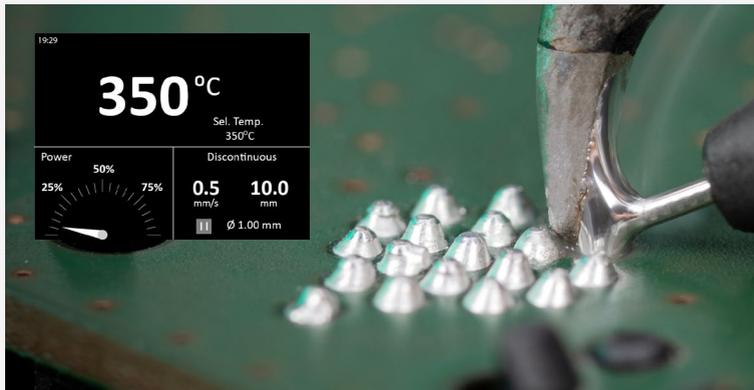
Allows the operator to manually control the amount of solder wire being fed at a constant speed.



### Discontinuous

**Ideal for repetitive soldering jobs.**

Allows the operator to program the solder-wire speed and length that will automatically be dispensed on each click.



### Program

**Ideal for soldering jobs that require pre-tinning or a controlled feeding of tin at different speeds.**

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



## Straight Solder Wire Guide Kits

### References with Solder-Wire Perforation

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



### References without Solder-Wire Perforation

Ref.	Solder Wire Ø
<b>GALE04D</b>	0.38-0.40 mm / 0.015-0.016 in
<b>GALE05D</b>	0.46-0.56 mm / 0.018-0.022 in
<b>GALE06D</b>	0.60-0.64 mm / 0.023-0.025 in
<b>GALE07D</b>	0.70-0.78 mm / 0.028-0.031 in
<b>GALE08D</b>	0.80-0.82 mm / 0.032-0.033 in

Ref.	Solder Wire Ø
<b>GALE10D</b>	0.90-1.10 mm / 0.036-0.044 in
<b>GALE12D</b>	1.14-1.27 mm / 0.045-0.051 in
<b>GALE15D</b>	1.50-1.57 mm / 0.060-0.063 in
<b>GALE16D</b>	1.60-1.63 mm / 0.063-0.065 in
<b>GALE18D</b>	1.80 mm / 0.073 in

## Curved Solder Wire Guide

Compatible with the **ALE250** Automatic-Feed Soldering Iron for applications requiring straight cartridges.

Ref.	Solder Wire Ø
<b>0032589</b>	0.4 -1.2 mm / 0.015 - 0.047 in



## Cartridge Ranges

**C250 Cartridge Range** is designed to work with the **Straight Guide**, while the **C245L Cartridge Range** is used in combination with the **Curved Guide**.



Conical



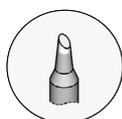
Conical Bent



Chisel



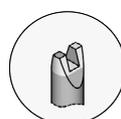
Chisel Bent



Bevel



Round Connector



Chip Components



Drag

**ESD safe**



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