

JBC

www.jbctools.com



Auto-Feed Soldering Station

Ref. AL-A

Packing List

The following items should be included:

Auto-Feed Soldering

Station 1 unit

Ref. AL-1A (120V)

AL-2A (230V)

AL-9A (100V)



Tip Cleaner 1 unit

Ref. CL9885



Solder Reel Stand 1 unit

Ref. 008745



Allen Key 2.5mm 1 unit

Ref. 0780493



Stand 1 unit

Ref. AL-SD



Metal Brush 1 unit

Ref. CL6217



Power Cord 1 unit

Ref. 0009417 (100V/120V)

0009401 (230V)



Auto-Feed Iron 1 unit

Ref. AL250-B



Sponge 1 unit

Ref. S0354

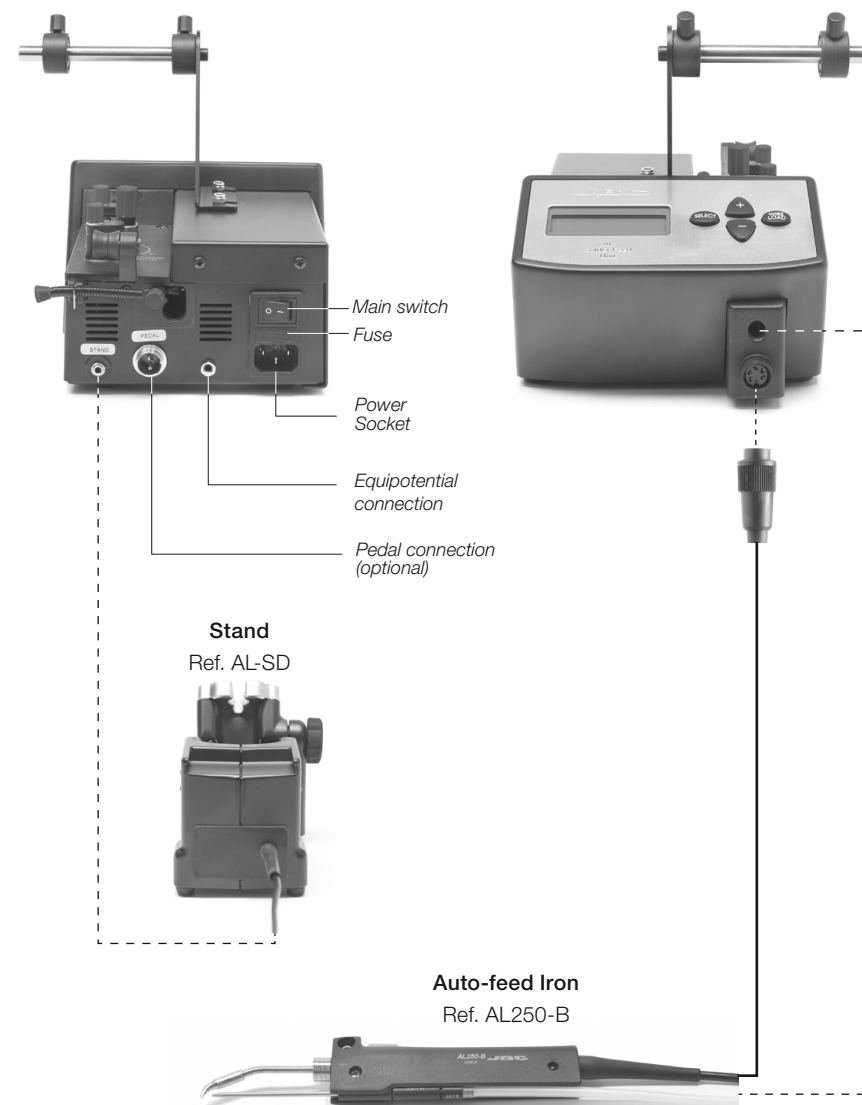


Manual 1 unit

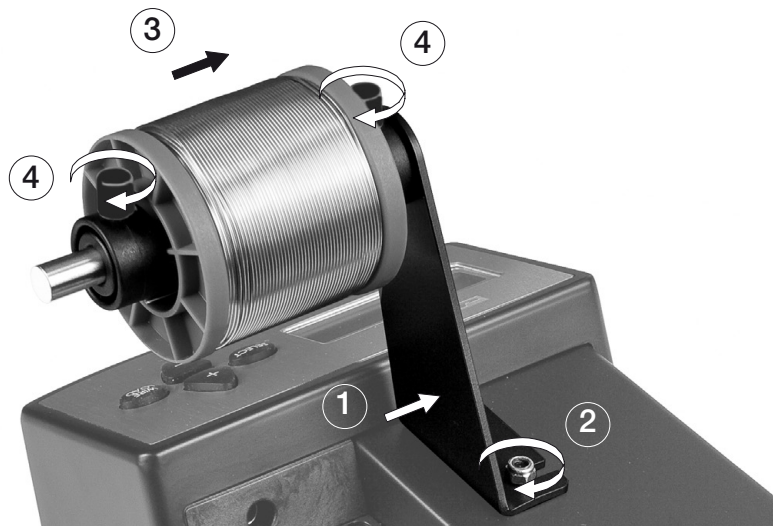
Ref. 0016966



Features



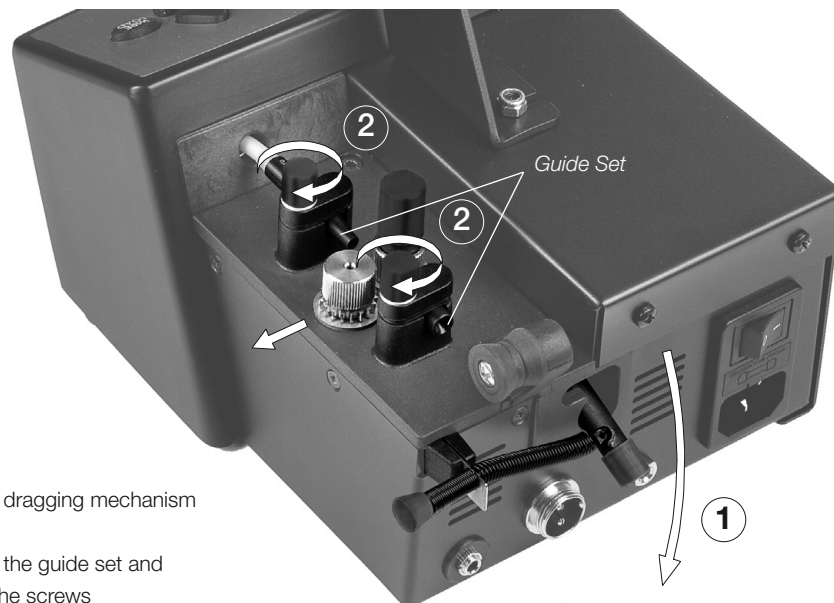
Reel Stand Assembly



3. Take the solder wire from the reel until the guide tube start

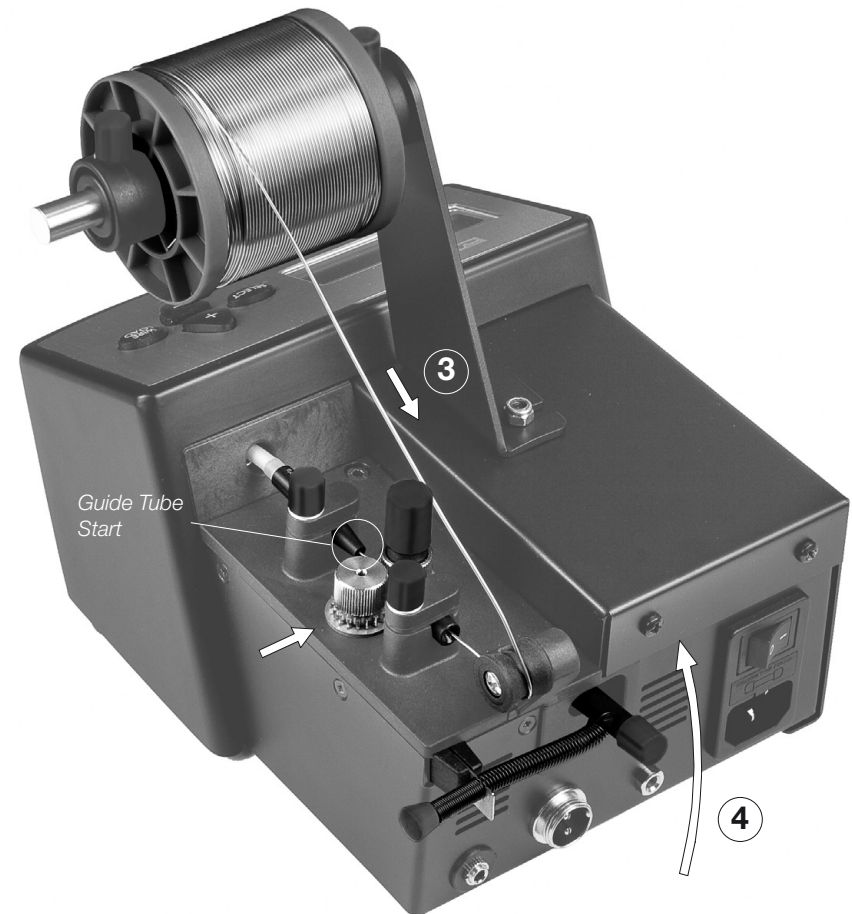
4. Close the dragging mechanism

Adjusting System Assembly

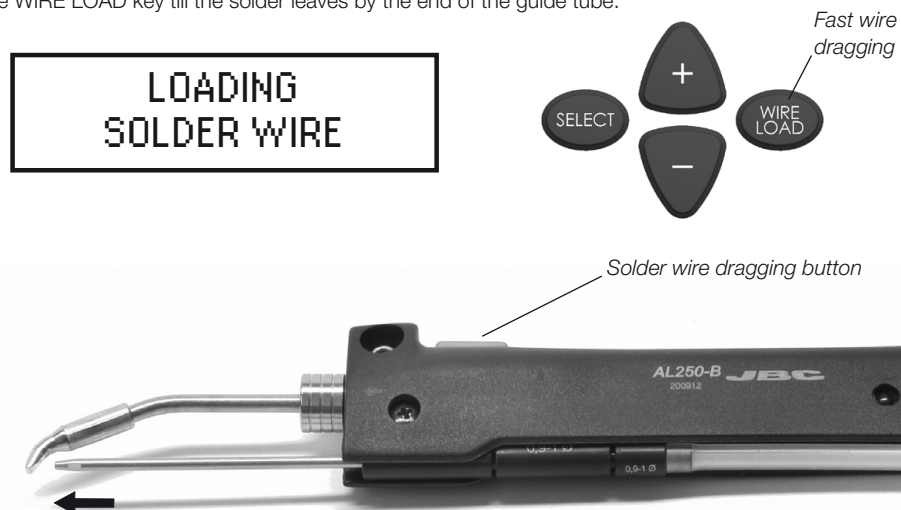


1. Open dragging mechanism

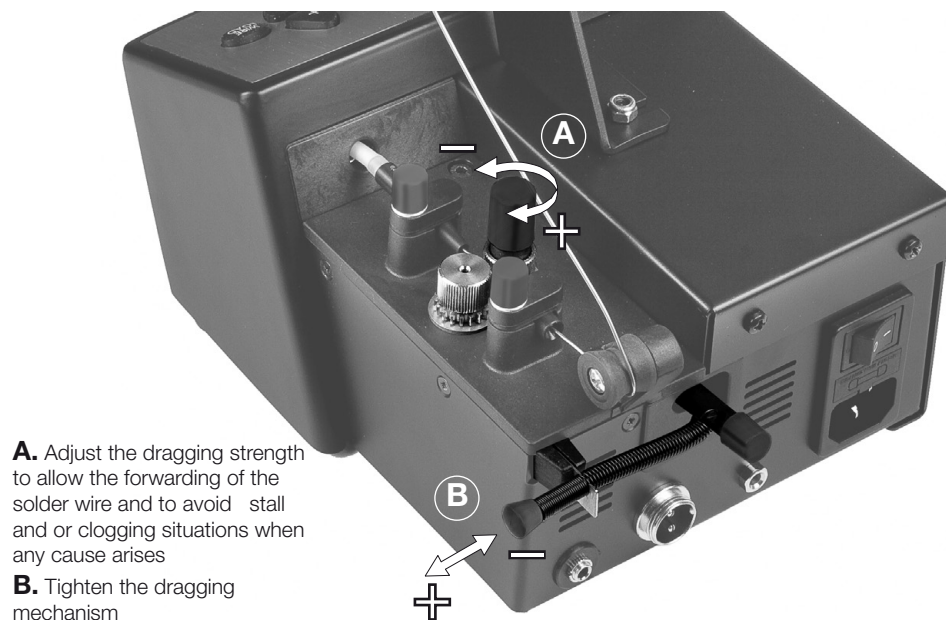
2. Place the guide set and tighten the screws



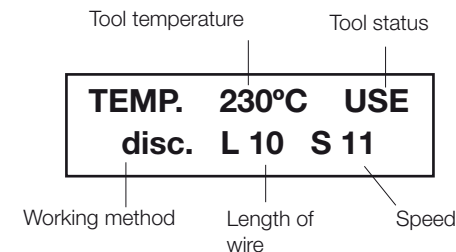
5. Connect the handpiece to the station and switch it on. With the handpiece out of the stand, press the WIRE LOAD key till the solder leaves by the end of the guide tube.



Clutch Regulation



Control Screen



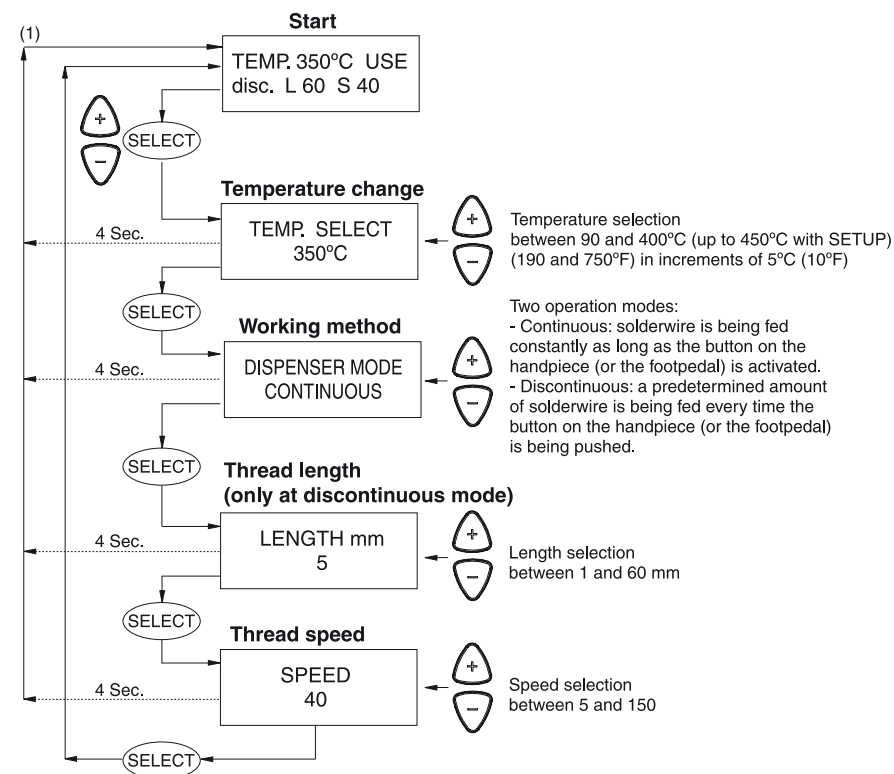
There are 4 tool status:

USE (Use). The tool is ready to work.

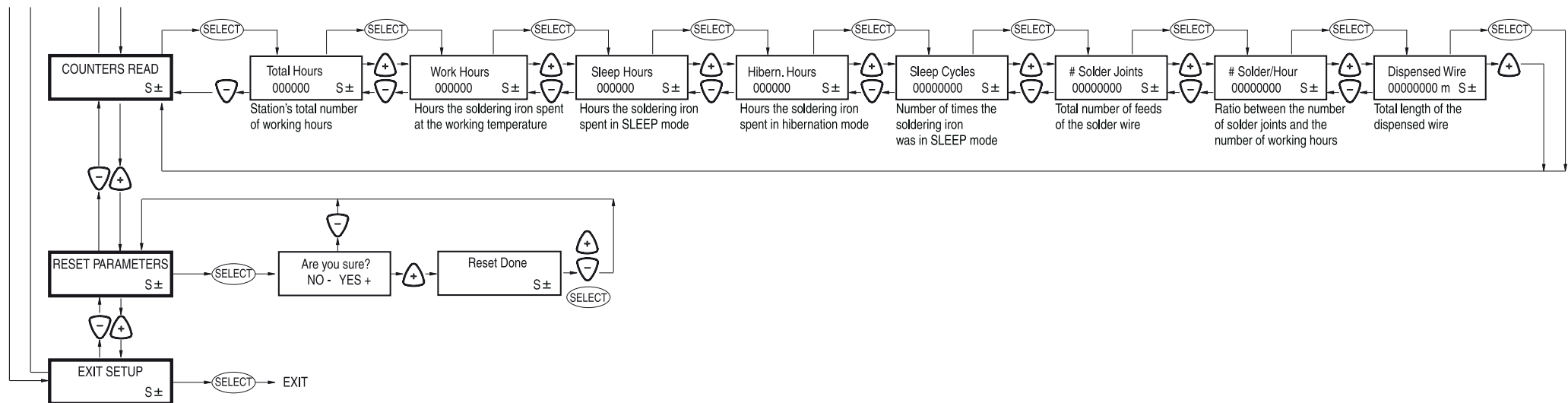
STD (Stand). The tool is placed in the stand but still not in the sleep mode.

SLP (Sleep). The tool is in the sleep mode in the stand, its temperature has dropped till the sleep temperature.

OL. The power circuit is overheated. The power is temporarily not supplied.



(1) After 4 seconds without pushing buttons, initial screen will be displayed.



Adjustable Stand

Adjust the tool holder angle to suit your work position.



Changing cartridge

For a safe cartridge change, unplug the tool or turn the station off before following these guidelines:

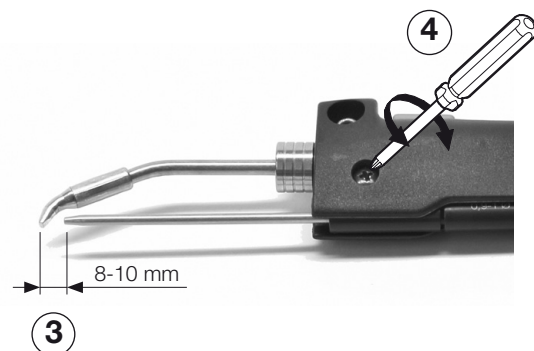
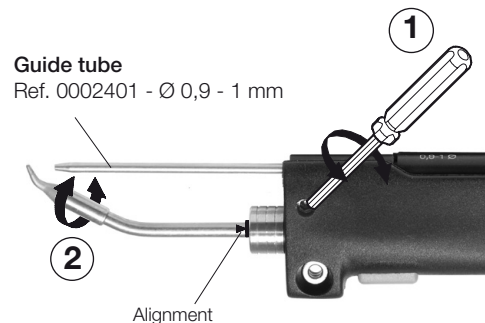
1. Loosen the cartridge screw to release it.
Place the new cartridge in the Auto-feed iron.

2. Align the tip of the cartridge with the solder Guide tube.

Important: It is essential to insert the cartridge till the end for a good connection. Use the mark as reference. Tighten the cartridge screw.

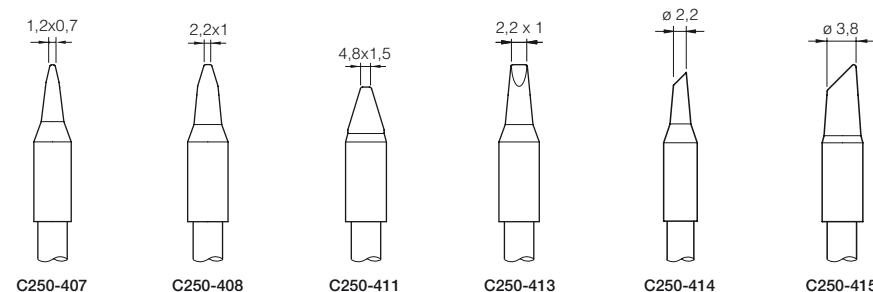
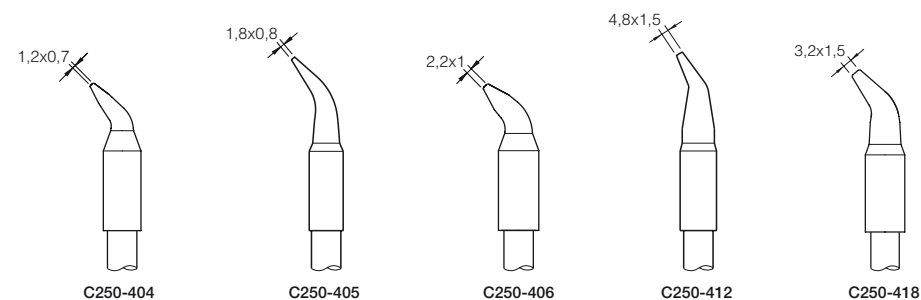
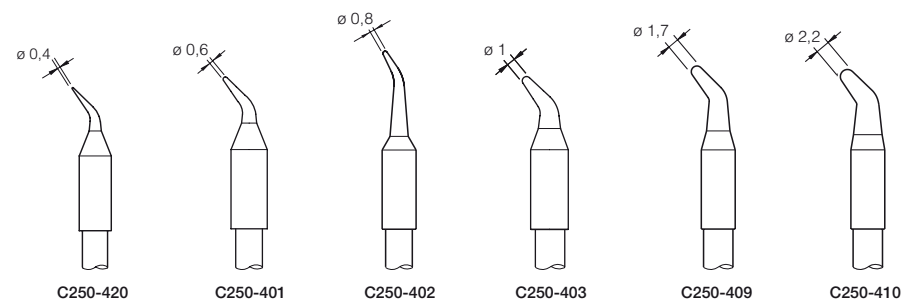
3. You must leave a gap of 8-10 mm between the tip and the end of the Guide tube.

4. Loosen the guide screw.
Adjust the Guide tube and tighten the screw.



Compatible Cartridges

The AL250-B Auto-feed Iron works with C250 cartridge range. Find the model that best suits your soldering needs in www.jbctools.com



Note: All the cartridges shown are actual size.

Tip Cleaner

Improve thermal transfer by cleaning the tip after each solder joint.

Brass Wool

Ref. CL6210

*Very effective cleaning method.
It leaves a small layer of
solder on the tip to
prevent oxidation
between cleaning
and rewetting.*

Splashguard

*It prevents splashing of
solder particles when using
the brass wool.*

Wiper

Ref. CL0236

*A temperature resistant receptacle lets the
operator remove excess solder by gently
tapping or wiping.*

Optional

Inox Wool

Ref. CL6205



Metal Brush

Ref. CL6220



Tip-Tinner

Ref. TT-A



Sand

Ref. CL6211



Sponge

Ref. S0354

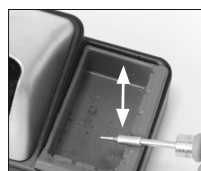
*The least harmful cleaning method.
Keep the sponge damp with
distilled water when working to
avoid tip wear.*

Non-slip base

*Heavy weighted non-slip
base for simple-handed
cleaning.*



Tapping:



Tap gently to remove
excess solder.

Wiping:



Use the slots to
remove remaining
particles.

Accessories

Fume Extractor

Ref. F4468



Optional Guide set

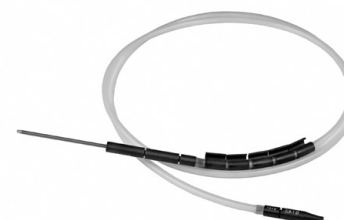
Ref. 0002399 - Ø 0.4 - 0.5 mm

0002402 - Ø 0.6 - 0.8 mm

0002401 - Ø 0.9 - 1.0 mm

0002843 - Ø 1.1 - 1.5 mm

0013915 - Ø 1.6 - 1.8 mm



Driver Gear

Ref. 0002863

**Only included in the Ø 1.1 - 1.5 / Ø 1.6 - 1.8
Guide set for a correct dragging of the solder
wire.*



Support

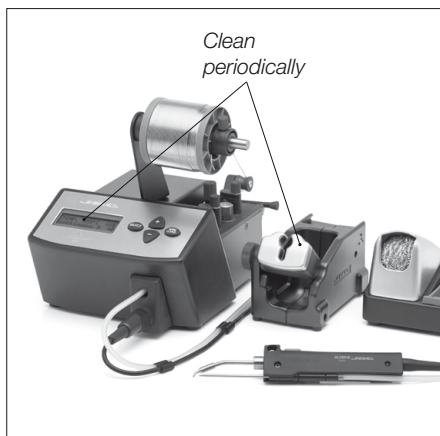
Ref. AL-IA



Maintenance

Before carrying out maintenance, always allow the equipment to cool.

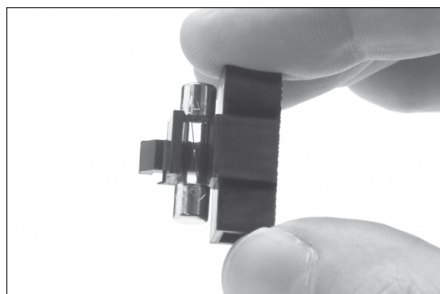
- Clean the station screen with a glass cleaner or a damp cloth.
- Use a damp cloth to clean the casing and the tool. Alcohol can only be used to clean the metal parts.
- Periodically check that the metal parts of the tool and stand are clean so that the station can detect the tool status.
- Maintain tip surface clean and tinned prior to storage in order to avoid tip oxidation. Rusty and dirty surfaces reduce heat transfer to the solder joint.
- Periodically check all cables and tubes.
- Replace a blown fuse as follows:



1. Pull off the fuse holder and remove the fuse. If necessary use a tool to lever it off.



2. Press the new fuse into the fuse holder and replace it in the station.



- Replace any defective or damaged pieces. Use original JBC spare parts only.
- Repairs should only be performed by a JBC authorized technical service.

Safety

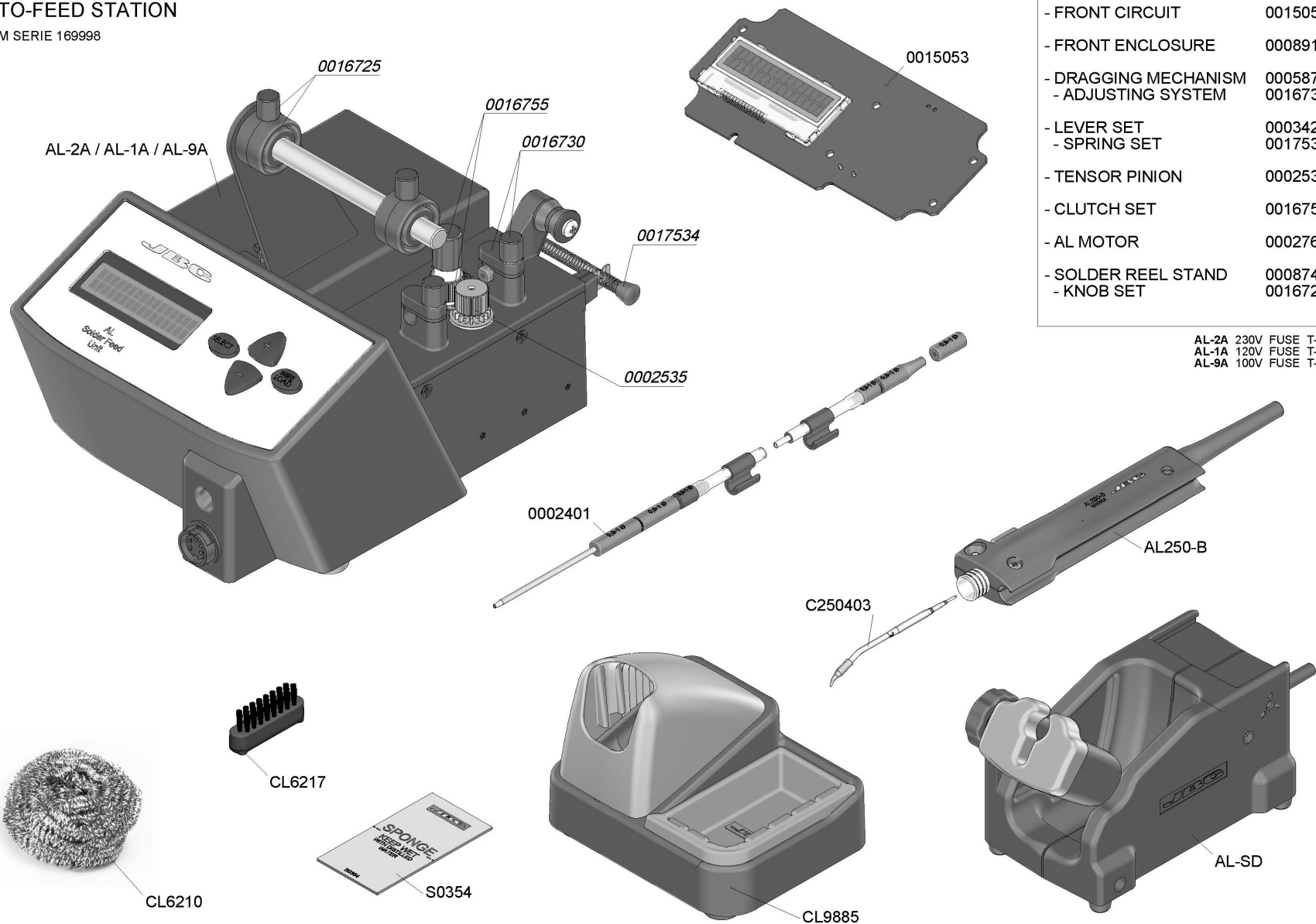


It is imperative to follow safety guidelines to prevent electric shock, injury, fire or explosion.

- Do not use the units for any purpose other than soldering or rework. Incorrect use may cause fire.
- The power cord must be plugged into approved bases. Be sure that it is properly grounded before use. When unplugging it, hold the plug, not the wire.
- Do not work on electrically live parts.
- The tool should be placed in the stand when not in use in order to activate the sleep mode. The soldering tip, the metal part of the tool and the stand may still be hot even when the station is turned off. Handle with care, including when adjusting the stand position.
- Do not leave the appliance unattended when it is on.
- Do not cover the ventilation grills. Heat can cause inflammable products to ignite.
- Use a "non residue" classified flux and avoid contact with skin or eyes to prevent irritation.
- Be careful with the fumes produced when soldering.
- Keep your workplace clean and tidy. Wear appropriate protective glasses and gloves when working to avoid personal harm.
- Utmost care must be taken with liquid tin waste which can cause burns.
- This appliance can be used by children over the age of eight and also persons with reduced physical, sensory or mental capabilities or lack of experience provided that they have been given adequate supervision or instruction concerning use of the appliance and understand the hazards involved. Children must not play with the appliance.
- Maintenance must not be carried out by children unless supervised.

Exploded View

AL-2A 230V
AL-1A 120V
AL-9A 100V
AUTO-FEED STATION
FROM SERIE 169998



Specifications

AL-1A 120V 50/60Hz. Input fuse: 2A. Output: 23.5V

AL-2A 230V 50/60Hz. Input fuse: 1A. Output: 23.5V

AL-9A 100V 50/60Hz. Input fuse: 2A. Output: 23.5V

- Total weight: 5.8 kg (12.8 lb)
- Dimensions: 195 x 200 x 240 mm
- Output Peak Power: 130W
- Temperature range: 90 - 450°C (190 - 840°F) (±5%)
- Complies with CE standards on electrical safety, electromagnetic compatibility and ESD protected housing "skin effect"
- RoHS compliant
- Equipotential connector and the tool tip are connected to station mains ground supply for ESD protection
- Diameter of solder wire: 0.4 - 1.8 mm / 0.02 - 0.07 in

Complies with CE standards

ESD protected housing "skin effect"

JBC

Warranty

JBC's 2 year warranty covers this equipment against all manufacturing defects, including the replacement of defective parts and labour.

Warranty does not cover product wear due to use or mis-use.

In order for the warranty to be valid, equipment must be returned, postage paid, to the dealer where it was purchased.



This product should not be thrown in the garbage.

In accordance with the European directive 2012/19/EU, electronic equipment at the end of their life must be collected and returned to an authorized recycling facility.

www.jbctools.com

0016966-0216