



[www.jbctools.com](http://www.jbctools.com)

## INSTRUCTION MANUAL



# AM120

## Adjustable Micro Tweezers

This manual corresponds to the following reference:

**AM120-A**

**Packing List**

The following items are included:



**Adjustable Micro Tweezers** .....1 unit

**Manual** .....1 unit  
Ref. 0029699

## Connections

**DI, DDE or DME**  
Control Unit\*



**AMS**  
Stand for  
PA120 & AM120  
Micro Tweezers\*



**C120**  
Cartridges\*

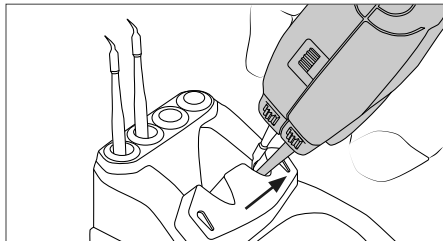


**AM120**  
Adjustable Micro Tweezers

*\* Not included, sold separately*

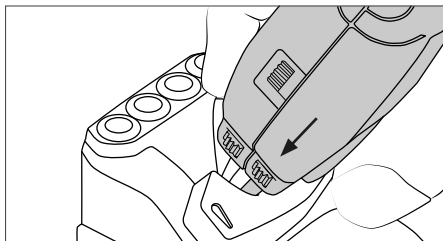
# Changing Cartridges

## 1. Removing



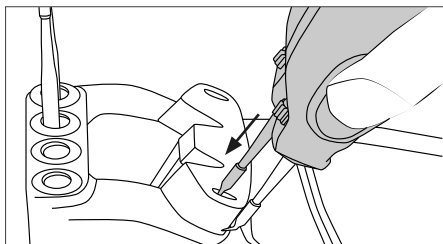
Place the cartridges in the extractor and pull the tweezers to remove them.

## 2. Positioning

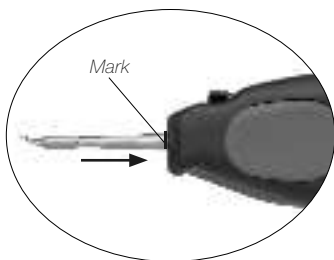


Place the tweezers on top of the new cartridge and slightly press down.

## 3. Inserting



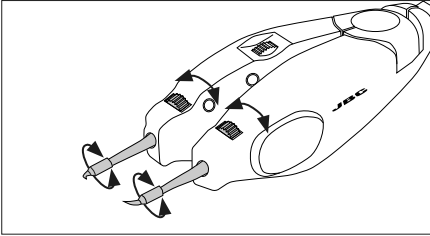
Use the grooves to insert the cartridges up to the mark\*.



### \*Important

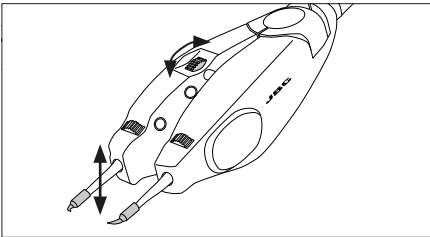
It is essential to insert the cartridges up to the mark for a proper connection. Make sure the cartridge contact areas are clean to ensure the proper functioning of the tool.

#### 4. Rotational Cartridge Alignment

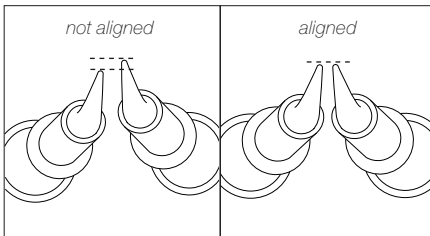


Slightly turn the wheels to align the cartridges as required.

#### 5. Vertical Cartridge Alignment



Close the tweezers for an easier alignment. The rear wheel allows the cartridges to be equally aligned vertically.



### Compatible Cartridges

AM120 works with C120 cartridges. Find the model that best suits your soldering needs on [www.jbctools.com](http://www.jbctools.com).



Conical Bent



Blade

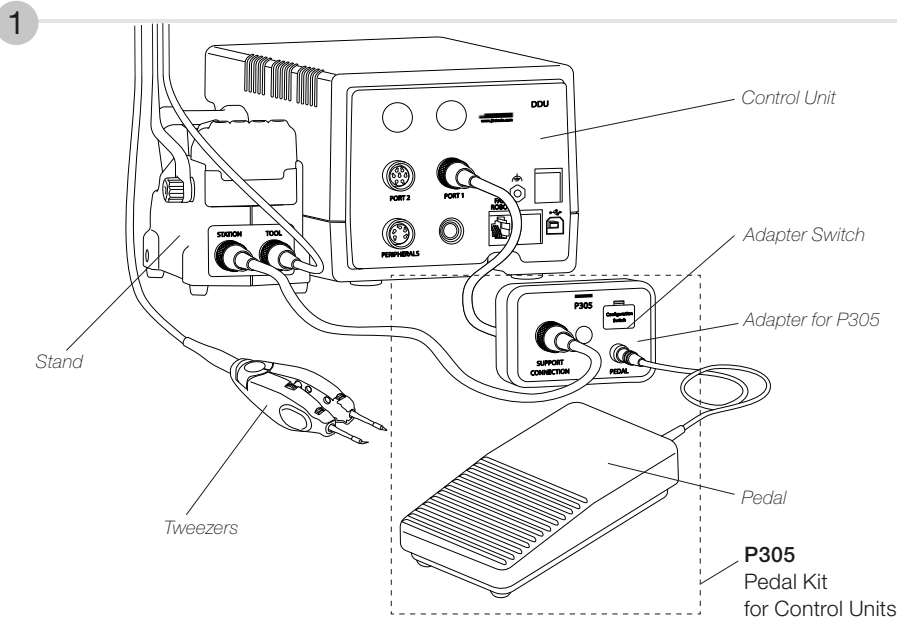


Chisel Bent

# Example: Chip Component Rework Process using Tweezers and Pedal

Pedals are frequently used to rework components with tweezers.

JBC's AM120 Adjustable Micro Tweezers are the most effective tool for desoldering chip components as they facilitate their rapid placement and soldering by using a pedal connected to a JBC's station.

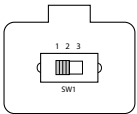


## Connections

Connect the pedal P305 to its adapter and then the adapter to the control unit port. The tool must be connected to its stand, and the stand to the pedal adapter.

**Note:** If working with P305 and its adapter, choose the pedal functionality on the adapter switch like shown beside.

Adapter Switch

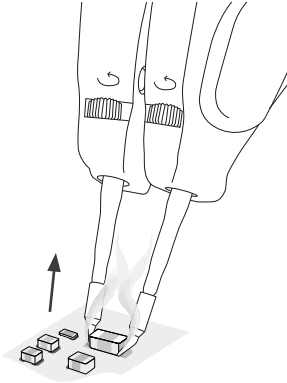


To reverse the pedal functionality choose:

NO > press to work  
(normally open)

NC > release to work  
(normally closed)

2



\* "press to work" previously selected

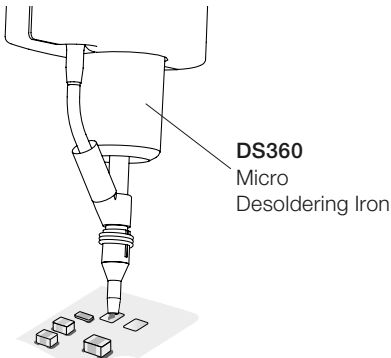


## Desoldering\*

Lift the tweezers from the holder, press and hold the pedal to activate the tweezers and desolder the component.

Once the pedal is released, the tweezers enter in hibernation mode and cool down.

3

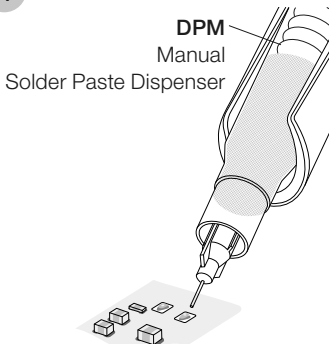


## Pad Cleaning

Clean the pads with JBC's DS360 desoldering tool.

For this operation, JBC's DSS desoldering station is needed.

4

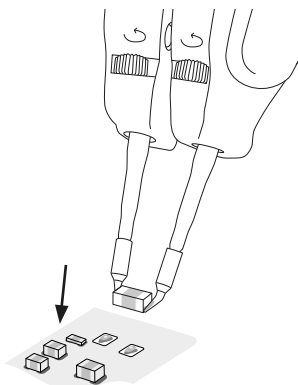


## Solder Paste Dispensing

Apply the solder paste amount needed to solder the new chip component.

The use of JBC's DPM solder paste dispenser is recommended.

5



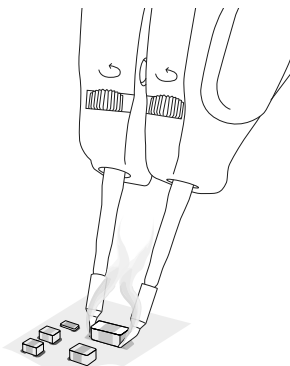
### Placing

Do not press the pedal.

Use the tweezers to position the component on the previously tinned pad.

**Note:** The inactive tweezers prevent the component from heating up prematurely.

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### Soldering

Once in position, press and hold the pedal to activate the tweezers and perform the soldering.



## 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 a 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 or nozzle, 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.
- Avoid flux coming into contact with skin or eyes to prevent irritation.
- Be careful with the fumes produced when soldering.
- Keep your workplace clean and tidy. Wear appropriate protection 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 people with reduced physical, sensory or mental capabilities or lack of experience provided that they have been given adequate supervision or instruction concerning the 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.

## Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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# Specifications

## AM120

### Adjustable Micro Tweezers

Ref. **AM120-A**

- |                              |                                   |
|------------------------------|-----------------------------------|
| - Max. Power Per Cartridge:  | 40W                               |
| - Total Net Weight:          | 102 g / 0.223 lb                  |
| - Package Dimensions/Weight: | 277 x 73 x 50 mm / 170 g          |
| (L x W x H)                  | 10.91 x 2.87 x 1.97 in / 0.236 lb |

Complies with CE standards.  
ESD Safe.

# JBC

## Warranty

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

Warranty does not cover product wear or misuse.

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 its life must be collected and returned to an authorized recycling facility.

