

# **JBC**

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

## **INSTRUCTION MANUAL**



### **AN115**

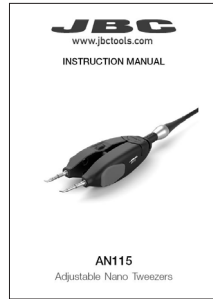
Adjustable Nano Tweezers

This manual corresponds to the following reference:

**AN115-A**

## Packing List

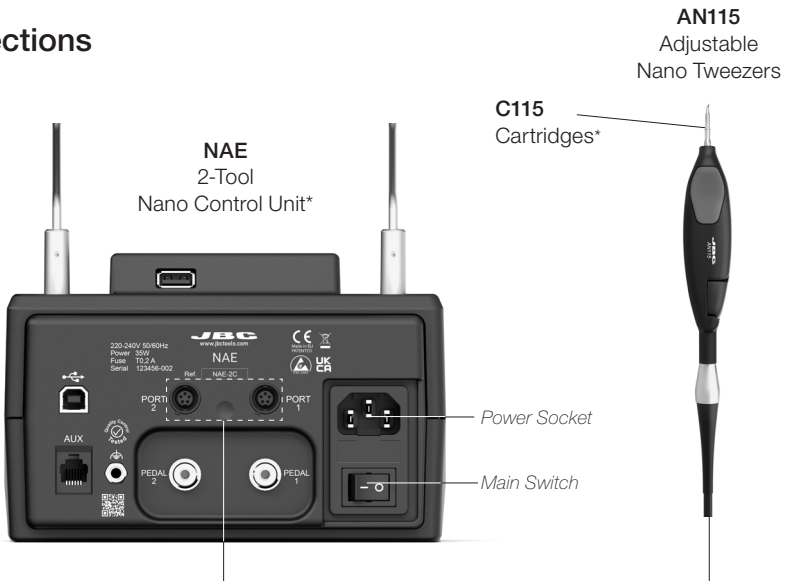
The following items are included:



**Adjustable Nano Tweezers** ..... 1 unit

**Manual** ..... 1 unit  
Ref. 0029831

## Connections

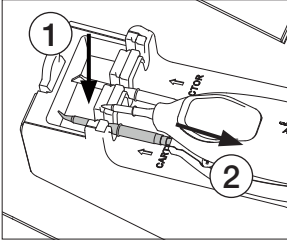


*\*not included, sold separately*

## Changing Cartridges

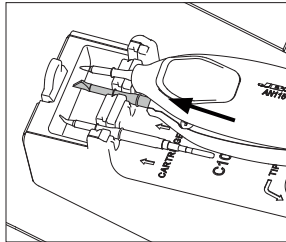
Save time and change cartridges safely without having to switch the station off.

### Removing



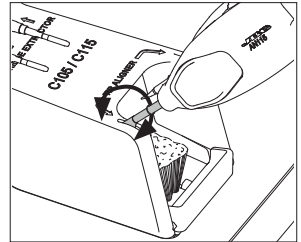
Place the cartridge into the extractor slot (1) and pull the tweezers to remove the cartridge (2).

### Inserting

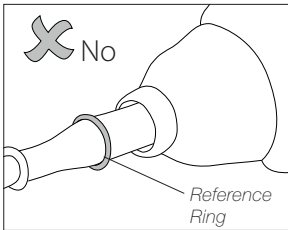


Push the tweezers onto the new cartridge until the reference ring\*.

### Aligning

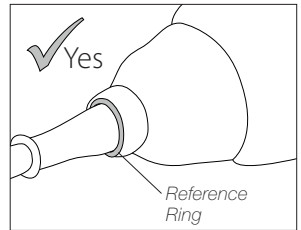


Use the holes to rotate the cartridges for a proper alignment.

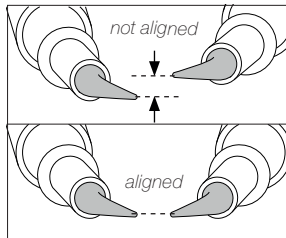
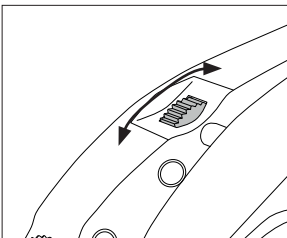


### \*Important

It is essential to insert the cartridges up to the reference ring for a proper connection.



### Vertical Cartridge Alignment



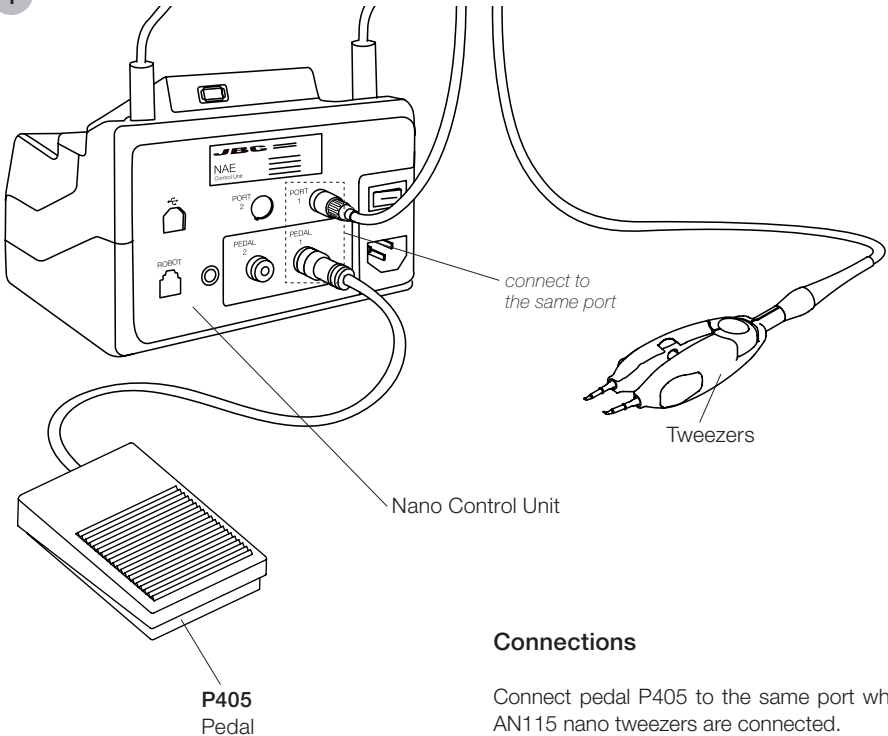
Turn the tweezers hand wheel forwards or backwards for vertical cartridge alignment. One tip lines up with the other.

## Example: Chip Components Rework Process using Tweezers and Pedal

The Pedal is frequently used to rework components with tweezers.

AN115, JBC's Adjustable Nano Tweezers, is the most effective tool for desoldering chip components but also it facilitates its rapid placement and soldering by using P405 pedal connected to JBC's NAE Control Unit.

1

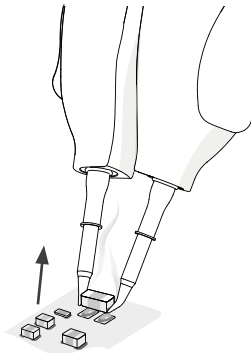


### Connections

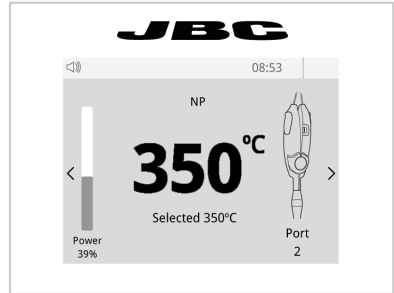
Connect pedal P405 to the same port where AN115 nano tweezers are connected.

In the peripherals menu for the "Pedal Activation Mode" choose between "pressed" and "released".

2



\* "Press Mode" previously selected

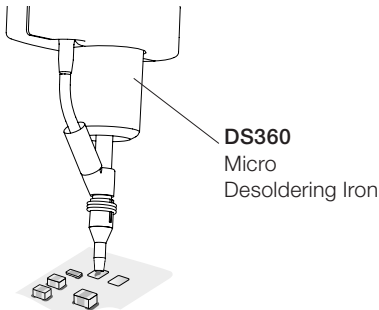


## Desoldering\*

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 enters in hibernation mode and cools down.

3

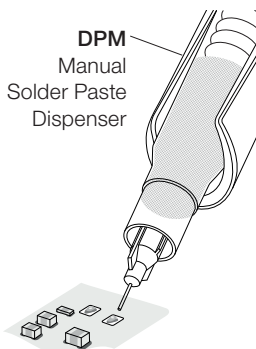


## Pad Cleaning

Clean the pads with JBC's desoldering tool DS360.

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

4

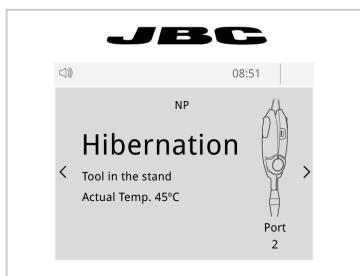
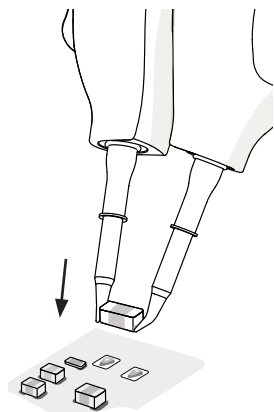


## Solder Paste Dispensing

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

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

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## Placing

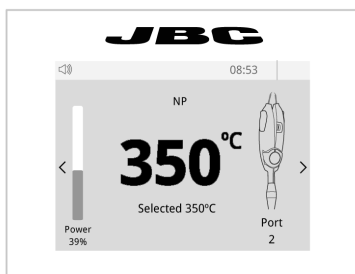
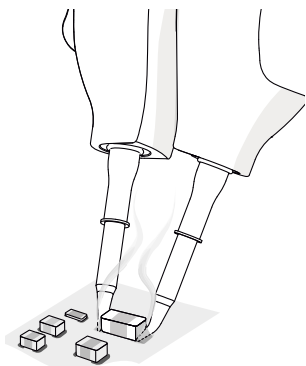
Do not press the pedal.

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

### Note:

The inactive tweezers prevents the component from heating up prematurely.

6



## Soldering

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

## Compatible Cartridges

The Nano Tweezers **NP115** and **AN115** work with **C115** cartridges. Find the model that best suits your soldering needs on [www.jbctools.com](http://www.jbctools.com)



Tweezer  
Conical Bent



Tweezer Chisel



Blade

## 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.

# Specifications

## AN115

### Adjustable Nano Tweezers

Ref. AN115-A

- |  |   |
|--|---|
| - Cable length:                              | 120 cm / 47.24 in   |
| - Total Net Weight:                          | 50.6 g / 0.112 lb   |
| - Package Dimensions /Weight:<br>(L x W x H) | 237 x 42 x 42 mm / 94.5 g<br>9.33 x 1.65 x 1.65 in / 0.208 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 labour.

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.



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