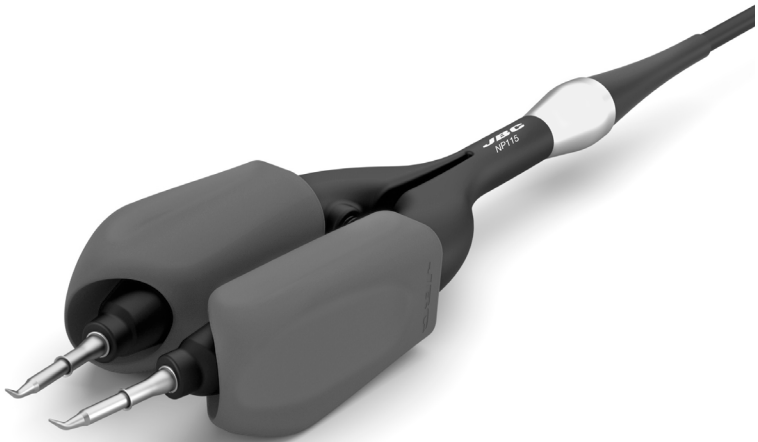


JBC

www.jbctools.com

INSTRUCTION MANUAL



NP115

Nano Tweezers

This manual corresponds to the following reference:

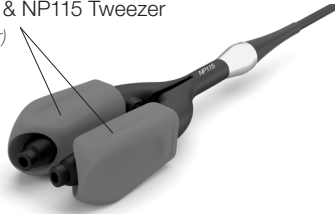
NP115-A

Packing List

The following items are included:

N1738

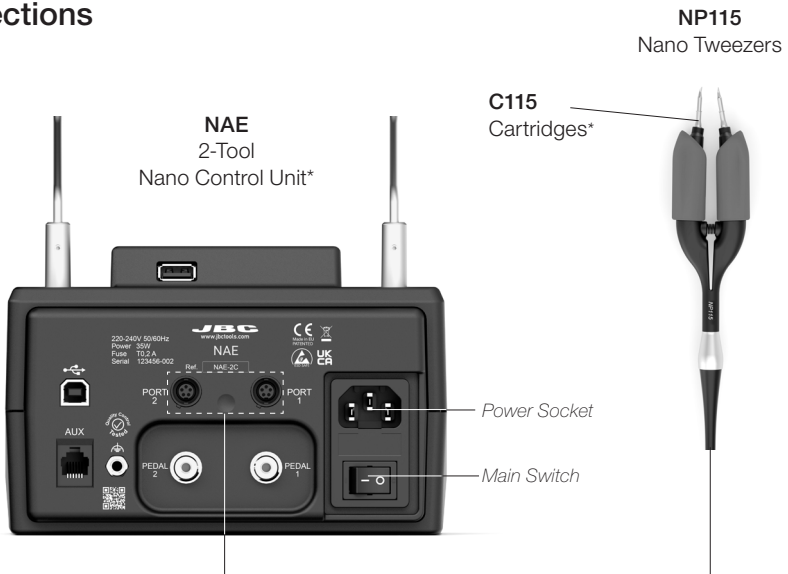
Sleeves for
NP105 & NP115 Tweezer
(one pair)



Nano Tweezers 1 unit
Ref. NP115-A

Manual 1 unit
Ref. 0029758

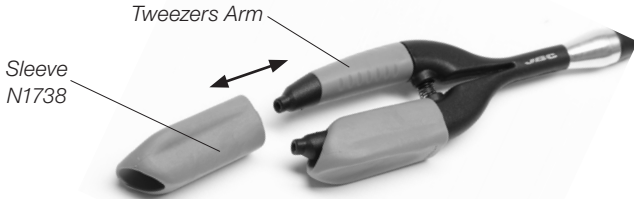
Connections



**not included, sold separately*

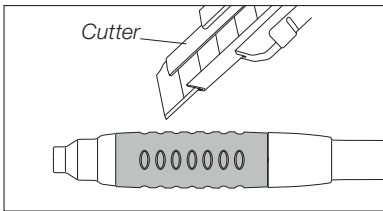
Changing Sleeves N1738

Change the sleeves by pulling the worn ones out and by pushing the new ones onto the tweezer arms.

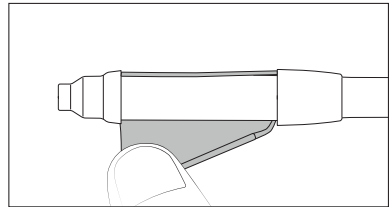


Changing Grips N6079

Removing Grips

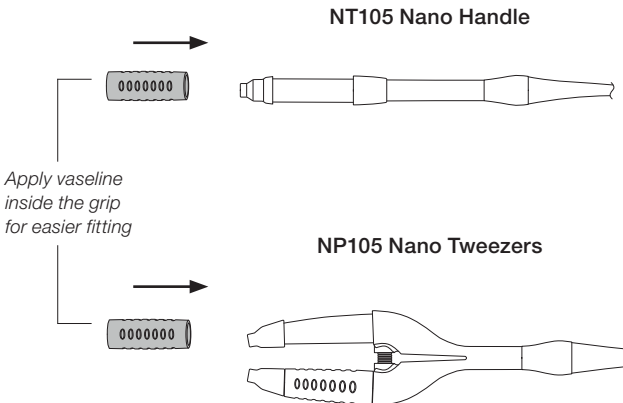


Make a length-ways cut. ⚠ Be careful not to damage the handle.



Remove the old grip.

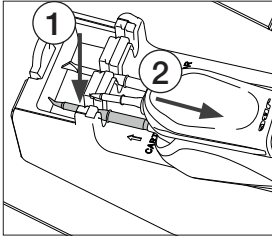
Assembling Grips



Changing Cartridges

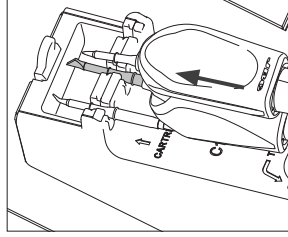
Save time and change cartridges safely without having to switch the station off.

Removing



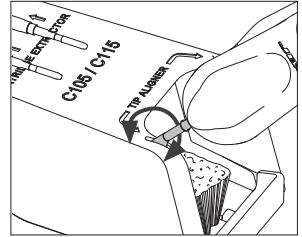
Place the cartridge into the extractor slot (1) and pull the tweezers to remove the cartridge (2).

Inserting

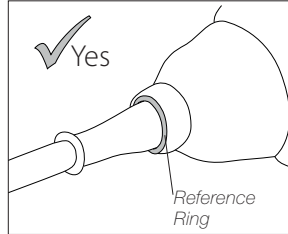
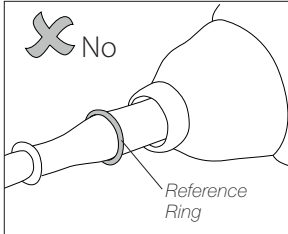


Push the tweezers onto the new cartridge until the reference ring*.

Aligning



Use the holes to rotate the cartridges for proper alignment.



*Important

For a correct connection, it is important to push the cartridge in until the reference ring rests against the tweezers.

Compatible Cartridges

The Nano Tweezers **NP115** and **AN115** work with **C115** cartridges. Find the model that best suits your soldering needs at www.jbctools.com.



Tweezer
Conical Bent



Tweezer Chisel

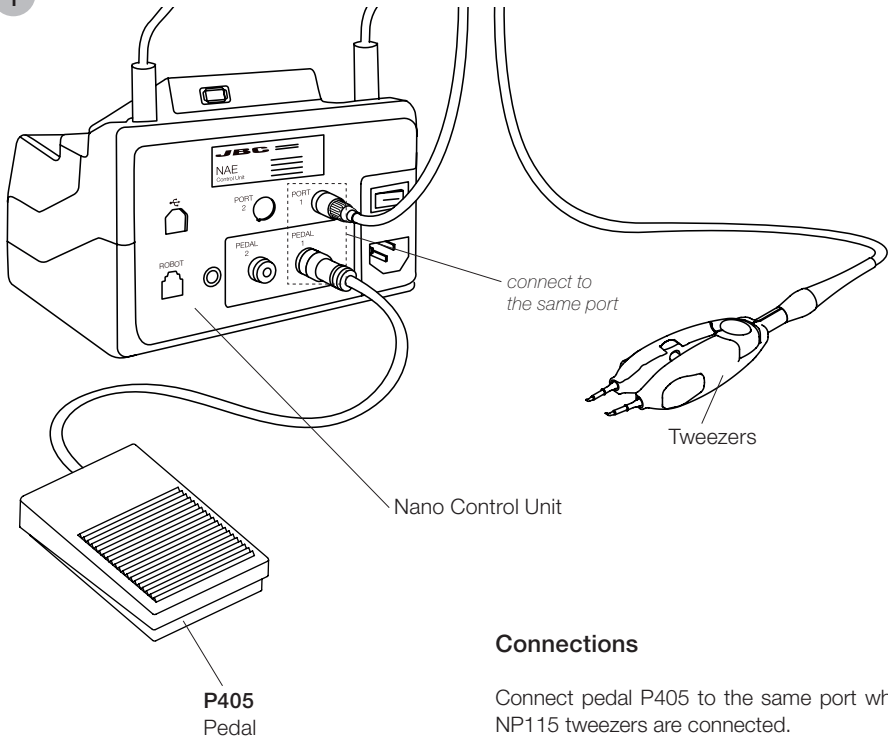


Blade

Example: Chip Components Rework Process using Tweezers and Pedal

The Pedal is frequently used to rework components with tweezers.

NP115 JBC's nano tweezers is the most effective tool for desoldering chip components but also it facilitates its rapid placement and soldering by using a pedal connected to JBC's NAS station.

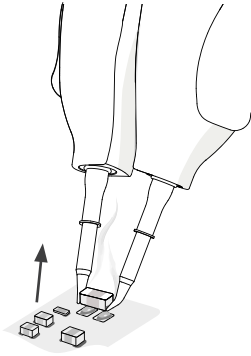
1

Connections

Connect pedal P405 to the same port where NP115 tweezers are connected.

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

2



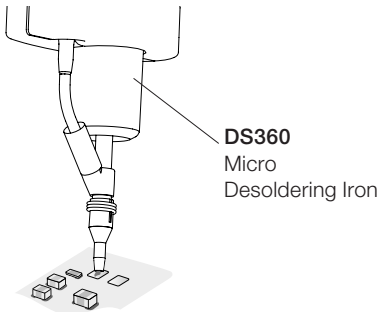
* "Press Mode" previously selected

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

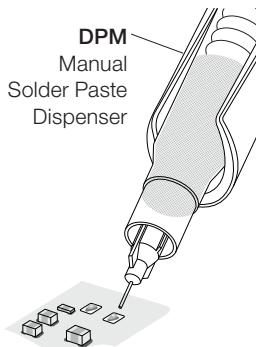


Pad Cleaning

Clean the pads with JBC's desoldering tool DS360.

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

4

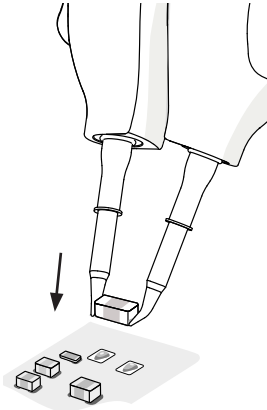


Solder Paste Dispensing

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

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

5



Placing

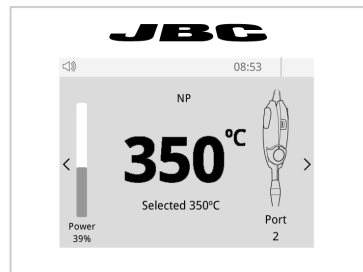
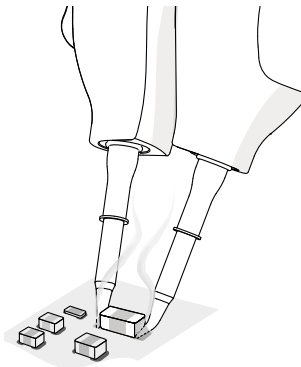
Do not press the pedal.

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

Note:

The inactive tool 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.

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 persons 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

NP115

Nano Tweezers

Ref. **NP115-A**

- Max. Power Per Cartridge:
- Cable Length: 120 cm / 47.24 in
- Total Net Weight: 47 g / 0.104 lb
- Package Dimensions /Weight: 235 x 40 x 40 mm / 91 g
(L x W x H) 9.25 x 1.57 x 1.57 in / 0.201 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.

Get 1 extra year JBC warranty by registering here:
<https://www.jbctools.com/productregistration/>
within 30 days of purchase.



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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