JBC

INSTRUCTION MANUAL

Nano Rework Station

Ref. NASE-C

Packing List

The following items are included:

Control Unit .... 1 unit
Ref. NAE-1C (120V)
  NAE-2C (230V)
  NAE-9C (100V)

Nano Handle .... 1 unit
Ref. NT115-A

**Adjustable Nano
Tweezers** .... 1 unit
Ref. AN115-A

**Cartridge
dispenser Case** .... 2 units
Ref. 0020952
  0020953

Ref. 0020952:
Ref. C115-101 x1
  C115-103 x1
  C115-107 x1
  C115-112 x1

Ref. 0020953:
Ref. C115-105 x2
  C115-113 x2

Pedal................................ 1 unit
Ref. P-405

Metal Brush .... 1 unit
Ref. CL2466

Allen key .... 1 unit
Ref. 009848

Brass Wool .... 1 unit
Ref. CL6210

Tool Holder .... 2 units
Ref. 0016606

Power Cable .... 1 unit
Ref. 0009417 (100/120V)
  0009401 (230V)

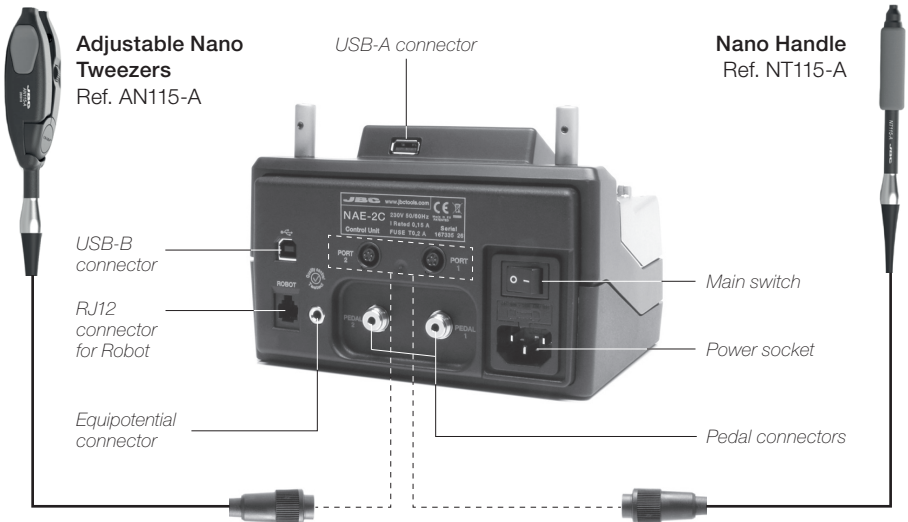**Manual** .... 1 unit
Ref. 0021447

Features

Cable collector
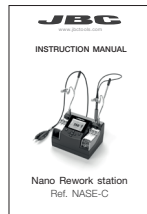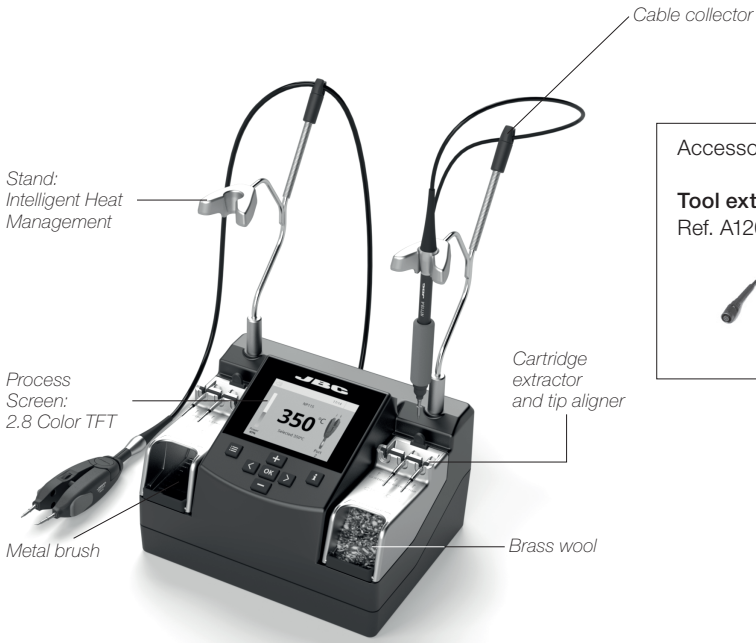
Accessories not included:

Tool extension cord (1m)
Ref. A1205

Stand:
Intelligent Heat
Management

Process
Screen:
2.8 Color TFT

Cartridge
extractor
and tip aligner

350

Metal brush

Brass wool

**Adjustable Nano
Tweezers**
Ref. AN115-A

USB-A connector

Nano Handle
Ref. NT115-A

USB-B
connector

RJ12
connector
for Robot

Equipotential
connector

NAE-2C

Main switch

Power socket

Pedal connectors

3

Tool Holder assembly

Cable assembly

For tool
AN115-A

For tool
NT115-A
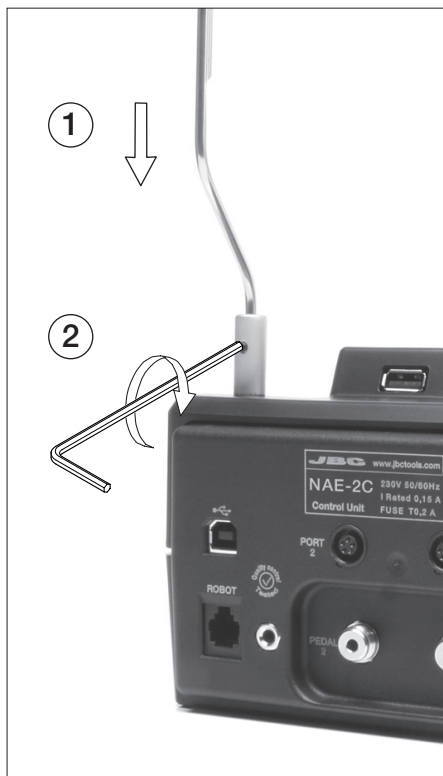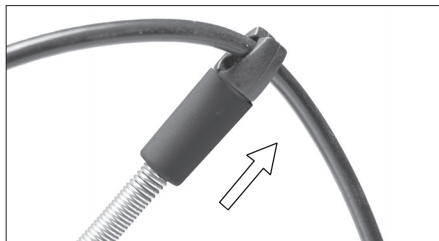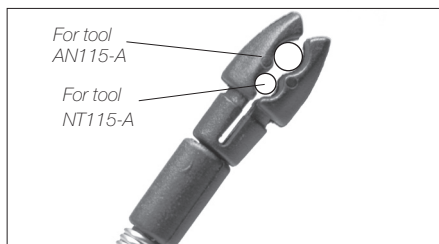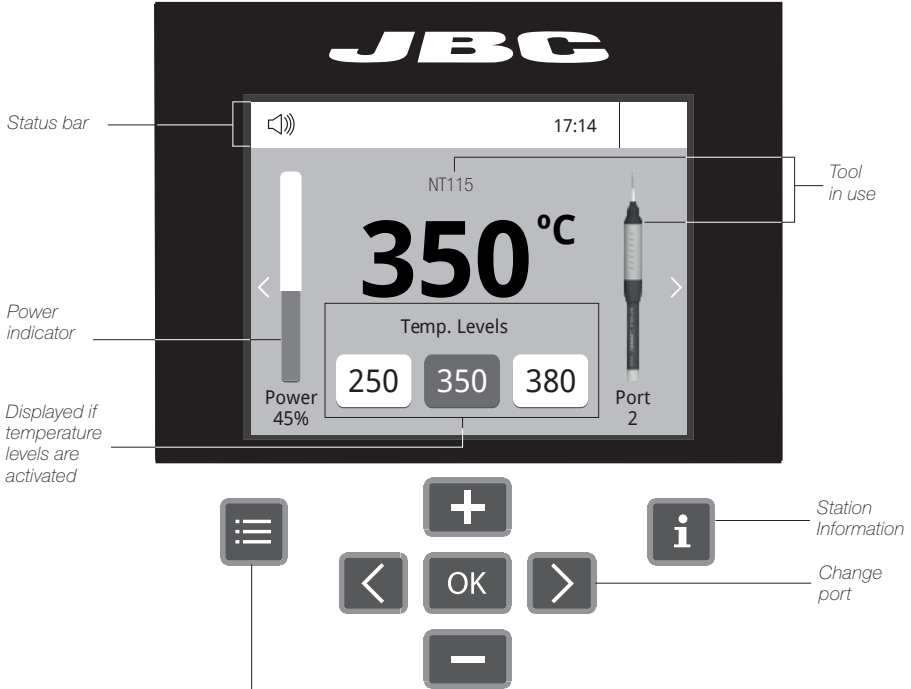
Work Screen

The NASE-C offers an **intuitive user interface** which provides **quick access** to station parameters.
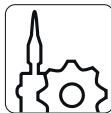**Default PIN: 0105**

Status bar

17:14

NT115

Tool
in use

350°C

Power
indicator

Temp. Levels

250   350   380

Power
45%

Port
2

Displayed if
temperature
levels are
activated

＋

OK

—

Station
Information

Change
port

Menu Options

Set the station
parameters

Station

Set the tool
parameters

Tools

Display the hours
worked in each cycle

Counters

Consult / modify the
links of the peripherals
connected to the
station with the port
Peripherals they are connected to.

It is possible to
choose the language
from a list.

Language

Allows you to carry
out an overall station
reset restoring all the
parameters to their
Reset default values.

Advanced functionalities

Graphics

It provides detailed graphics of tip temperature and power delivery in real time during solder joint formation for analysis purposes. This helps you decide how to adjust your process or which tip to use to obtain the best quality soldering.

JBC Net

The first system to optimize traceability in soldering
- Get greater quality and control in your production
- Manage your whole soldering process remotely in real time

Files

Export graphics
Insert a USB flash drive into the USB-A connector to save your soldering process in csv format.

Update

Station update
Download the JBC Update File from **www.jbctools.com/software.html**
Insert the USB flash drive with the file downloaded to the station.

System notifications

The following icons will be displayed on the screen's status bar.

USB flash drive is connected.

Station software update.
Press INFO to start the process.

Station is controlled by a PC.

Warning.
Press INFO for failure description.

Station is controlled by a robot.

Error.
Press INFO for failure description, the type of error and how to proceed.
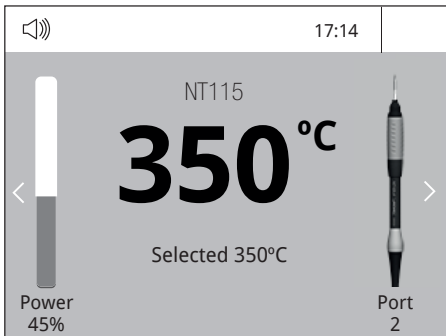
Operation

The JBC Exclusive Heating System

Our revolutionary technology is able to recover tip temperature extremely quickly. It means the user can work at a lower temperature and improve the quality of soldering. The tip temperature is further reduced thanks to the Sleep and Hibernation modes which increase the tip life by 5.

1. Work
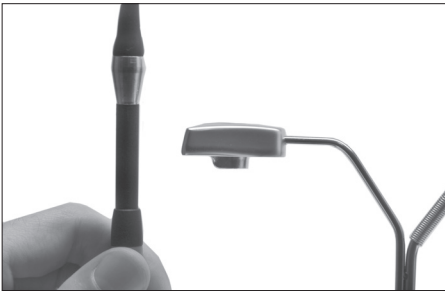
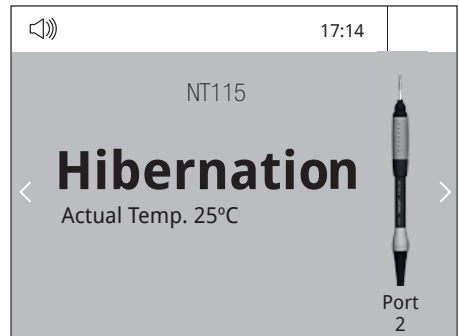When the tool is lifted from the holder the tip will heat up to the selected temperature.

	17:14
NT115	
350°C	
Selected 350°C	
Power 45%	Port 2

Tools Menu:

· Set temperature limits
· Set temperature levels

2. Hibernation

When the tool is in the holder, the power is cut off and the tool cools down to room temperature.

|	17:14
NT115	
Hibernation	
Actual Temp. 25°C	
	Port 2

Tools Menu:

· Set Hibernation delay (from 0 to 60 min or no Hibernation)

Chip Compoments Rework proces using Tweezers and pedal

The Adjustable Nano Tweezers is the most effective tool for desoldering chip components but also it facilitates its rapid placement and soldering by using the P-405 pedal connected to the station.
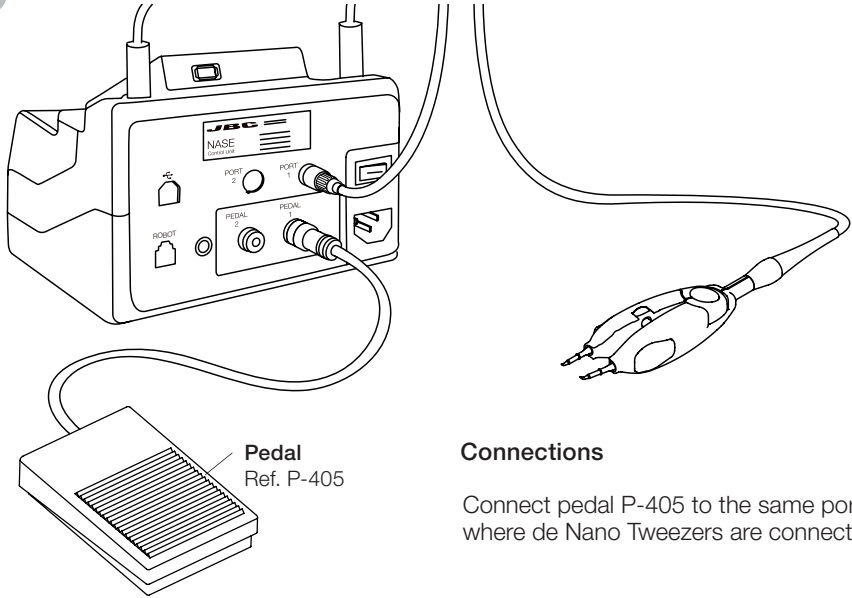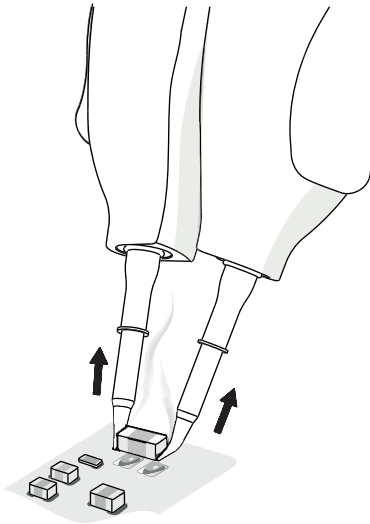

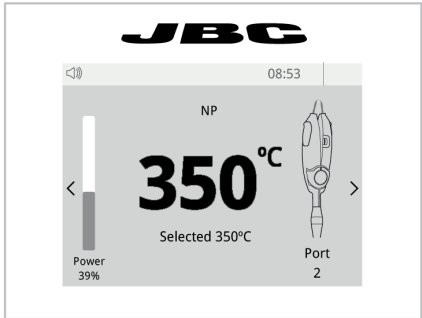**Pedal**
Ref. P-405

Connections

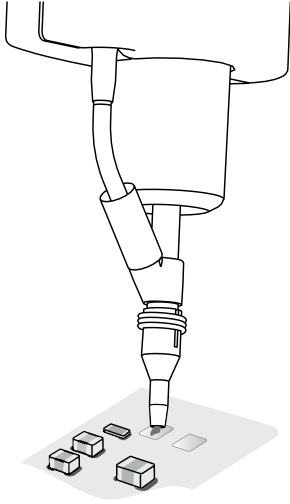Connect pedal P-405 to the same port where de Nano Tweezers are connected.

Desoldering

Press and hold the pedal to heat the tool and desolder the component.
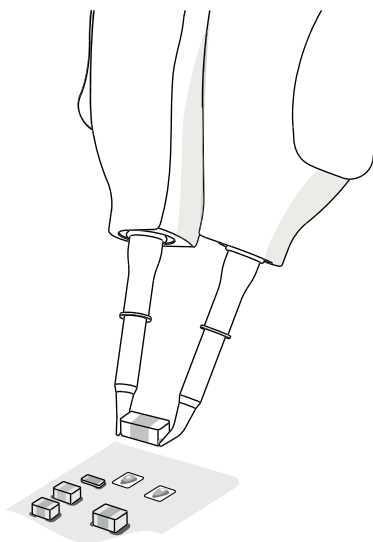
3

Pad cleaning

Clean the pads with the desoldering tool DS360-A*.

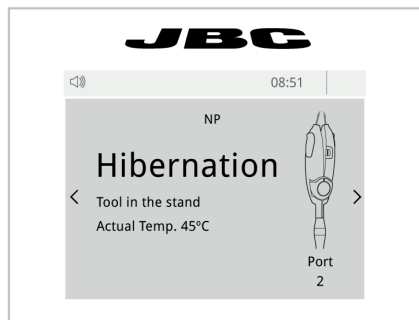* Secondary station is needed.

4

Solder paste dispensing

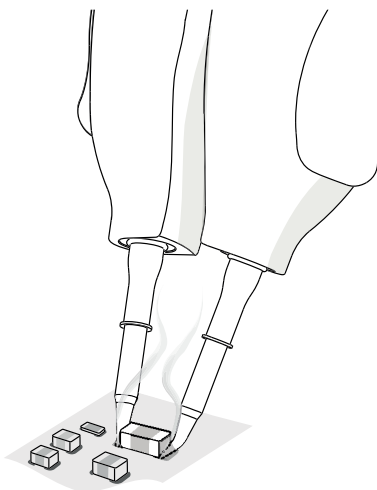Apply the solder paste amount needed to solder the new chip component.

Placing

Use the tool to position the component on the previously tinned pads.

JBC

◁))		08:51

NP

Hibernation

‹ Tool in the stand
Actual Temp. 45ºC ›

Port
2

Soldering

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

JBC

◁))		08:53

NP

350º**C**

Selected 350ºC

Power
39%
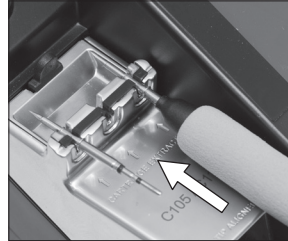
Port
2
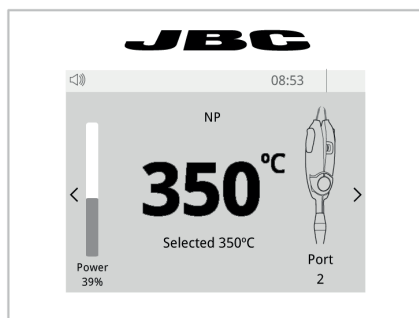
Changing cartridges

Save time and change cartridges safely without having to switch the station off.
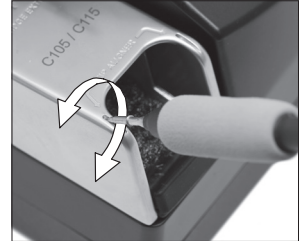
Removing
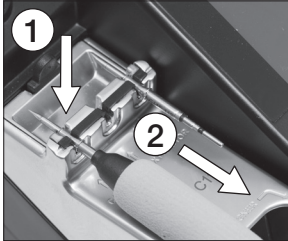
Place the cartridge in the slot as shown and pull the handle to remove it.

Inserting

Push the cartridge into the handle to the mark*.

Aligning

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

*Important

It is essential to insert the cartridges as far as the reference for a proper connection.

Reference
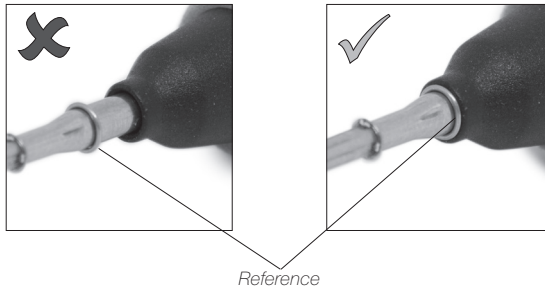
Compatible cartridges

The **NT115-A** and **AN115-A** work with **C115** cartridges. Find the model that best suits your soldering needs on **www.jbctools.com**

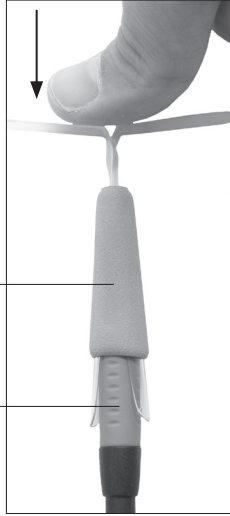| Conical | Chisel | Bevel | Conical bent | Knife | Stainless steel chisel | High thermal performance |

Changing grips

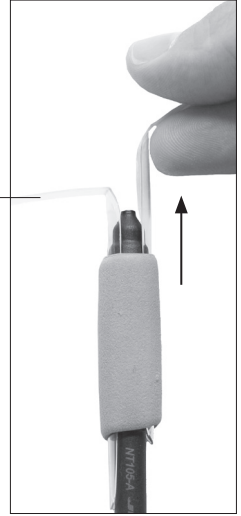**1.** Push the grip with the tabs onto the handle.
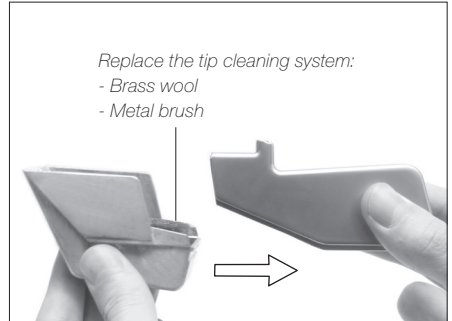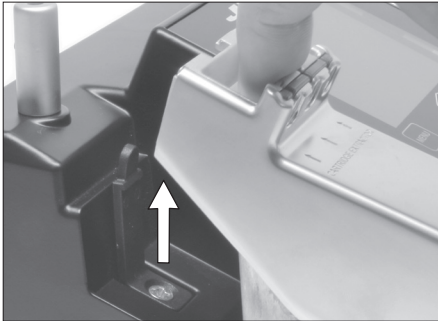
Grip for NT115-A

Nano handle

2. To remove the tabs, hold the grip and pull them out. Use a pliers if necessary.

Tabs

Changing the tip cleaning system

Replace the tip cleaning system:
- Brass wool
- Metal brush

Maintenance

Before carrying out maintenance or storage, 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:

Fuse holder
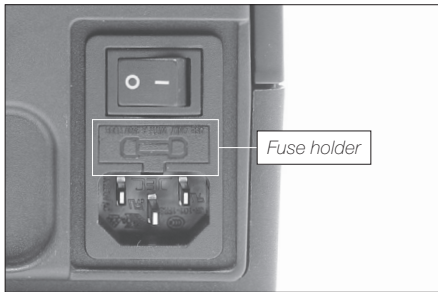
Fuse holder
Fuse

1. Pull off the fuse holder and remove the fuse. If necessary use a tool to lever it off.
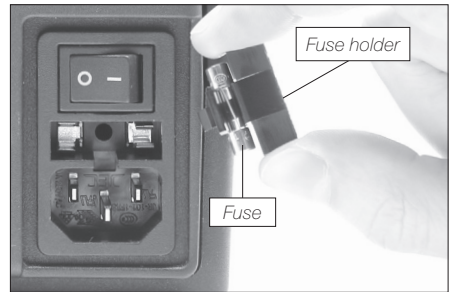
2. Press the new fuse into the fuse holder and replace it in the station.

- 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.

- Do not leave the appliance unattended when it is on.

- Do not cover the ventilation grills. Heat can cause inflamable products to ignite.

- Avoid the contact of flux 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.

有害物质含量表

产品中有害物质的名称及含量

部件名称	有害物质					
	铅(Pb)	汞(Hg)	镉(Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
烙铁头	O	O	O	O	O	O
手柄	O	O	O	O	O	O
电源线	O	O	O	O	O	O
主机	O	O	O	O	O	O
电源插座	O	O	O	O	O	O
保险丝	O	O	O	O	O	O
主开关	O	O	O	O	O	O
电位连接	X	O	O	O	O	O
变压器	O	O	O	O	O	O
线路板	X	O	O	O	O	O
O 表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572 规定的限量要求以下。 X 表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572 规定的限量要求。						

Specifications

NASE-1C 120V 50/60Hz. Input fuse: 0.5A. Output: 8.5V
NASE-2C 230V 50/60Hz. Input fuse: 0.2A. Output: 8.5V
NASE-9C 100V 50/60Hz. Input fuse: 0.5A. Output: 8.5V

- Temperature Range: 90 - 450 °C (190 - 840 ºF) ±5%
- Idle Temp. Stability (still air):   ±3 ºC (±5.5 ºF)
- Output Peak Power: 14W per tool
- Idle Temp. Stability (still air):   ±3 ºC (±5.5 ºF)
- Tip to ground voltage: <2 mV
- Tip to ground resistance: <2 ohms
- Ambient operating temp: 10 - 50 °C (50 - 122 ºF)
- Connections: USB-A / USB-B / Pedal connectors
                                RJ12 connector for Robot
- Net Weight: 2,5 kg (5.40 lb)
- Dimensions: 170 x 90 x 135 mm (6.70 x 3.54 x 5.31 in)

Complies with CE standards
ESD Safe

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. **Please register your product warranty within 30 days of purchase in www.jbctools.com/productregistration.**

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.

www.jbctools.com