

# JBC

The Soldering Co.



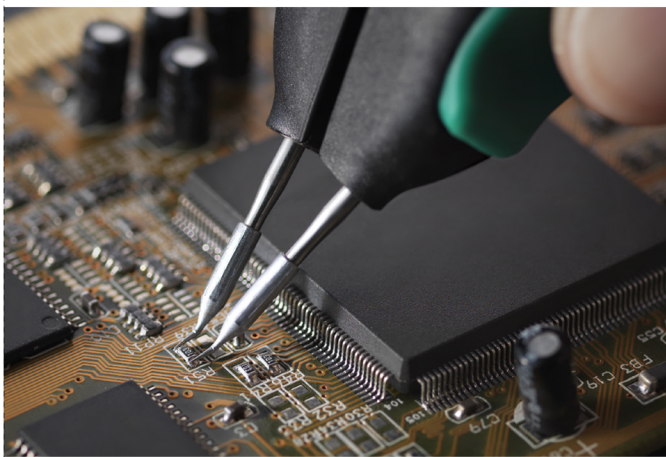
## Nano Stations

When the highest precision is your priority

**Matronic**  
ELECTRONIC PRODUCTION TECHNOLOGY

# For applications requiring the **highest precision**

► The best solution for **soldering and desoldering very small-sized components** such as chips 01005, 0201, 0402, etc.



The most exceptional technology

► JBC has become the **best choice for electronics professionals**.

► Nano Stations work with JBC Most Efficient Soldering System, which **improves the soldering quality**.

### TFT screen

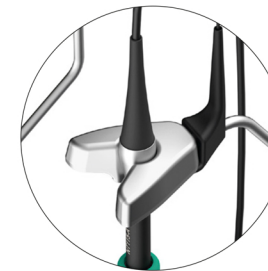
The menu is **intuitive and easy to use** thanks to the improved interface usability. It allows you to personalize over 20 parameters to help manage the soldering process. Set temperature limits, check usage counters, lock the station parameters with a PIN or program **Hibernation Mode**. The working screen shows the **selected tool** with its corresponding port, the **working temperature** of the tip and the **power indicator** at a glance.

### Cleaning & exchanger set (x2)

It consists of a **Tip Cleaning Stand** and a **Quick Cartridge Exchanger** which can be used single-handedly. Each set can accommodate a different cleaning system and allows you to organize cartridges according to the job. This means you **save time and increase productivity**. The cleaning & exchanger sets are **replaceable** and can be easily emptied.

### Intelligent Heat Management

When the tool is placed back in the stand, **Hibernation Mode** is automatically activated. The power is cut off and the tip cools down to room temperature, **increasing tip life by more than 5 times**.

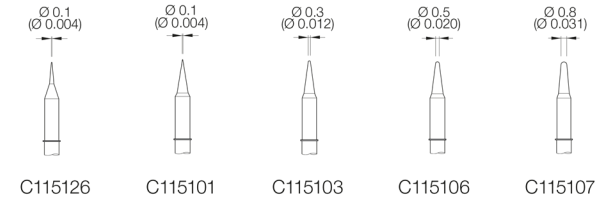


### High-precision tools

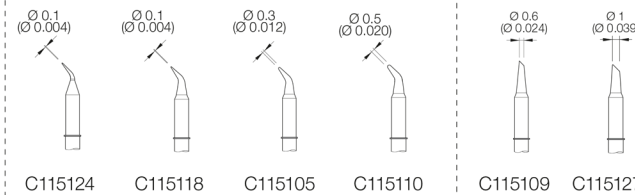
**NT115 Nano Handle** and **AN115 Adjustable Nano Tweezers** are light and ergonomic. The short-distance tip-to-grip ensures greater precision.

## C115 Cartridges for Nano Tools

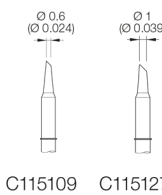
### CONICAL



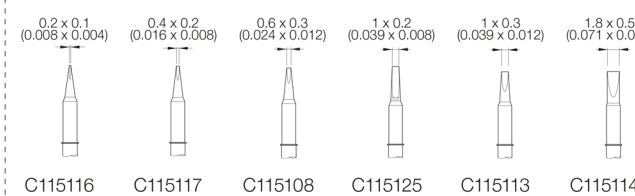
### CONICAL BENT



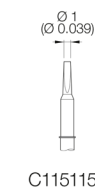
### BEVEL



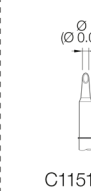
### CHISEL



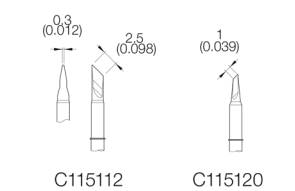
### CONFORMAL COATING REMOVAL



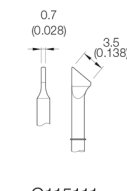
### SPOON



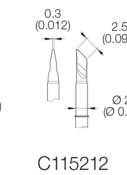
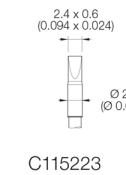
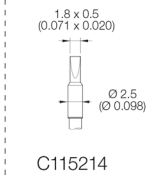
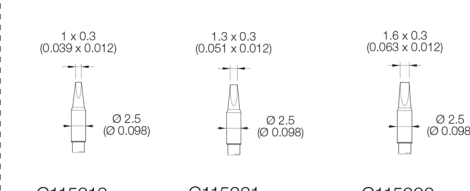
### KNIFE



### BLADE



### HIGH THERMAL PERFORMANCE



mm  
(in)

# Station Communication

Nano Stations incorporate different connectors on the back to share data with other devices. **Increase your working possibilities.**



## USB-A Port

By using a USB flash drive, you can update the latest software (available on [www.jbctools.com](http://www.jbctools.com)), extract graphs.

## USB-B Port

The user can monitor and manage parameters of several stations from one PC (e.g. graphs of the work process). It is necessary to download JBC Software (available on [www.jbctools.com](http://www.jbctools.com)) and install it onto the PC.

## ROBOT Connector

Remotely control the station using an RS-232 connection with JBC Robot protocol. You can also use this port to connect the station with a JBC Smart Fume Extractor in order to automatically activate extraction when the tools are in use.

## P405 or P005 Pedal

Make the tool enter Hibernation Mode by pushing down the pedal. This way you cause no thermal stress when placing the component onto PCB with the Nano Tweezers.



## Specifications

Dimensions	170 x 90 x 135 mm / 6.69 x 3.54 x 5.31 in
Weight	2.5 Kg / 5.4 lb
Ref. - Voltage (AC)	<b>NASE-9C / NANE-9C</b> - 100V 50/60Hz
	<b>NASE-1C / NANE-1C</b> - 120V 50/60Hz
	<b>NASE-2C / NANE-2C</b> - 230V 50/60Hz
Output peak power	14 W per tool
Operating room temp.	10 - 50 °C / 50 - 122 °F

Temperature range	90 - 450 °C / 190 - 840 °F
Idle Temp. Stability (still air)	± 1.5 °C (± 3 °F) / Meets and exceeds IPC J-STD-001F
Tip-to-ground voltage / resistance	Meets and exceeds ANSI / ESD S20.20-2014 IPC J-STD-001F
Connections	USB-A / USB-B / Pedal / RJ12 for Robots