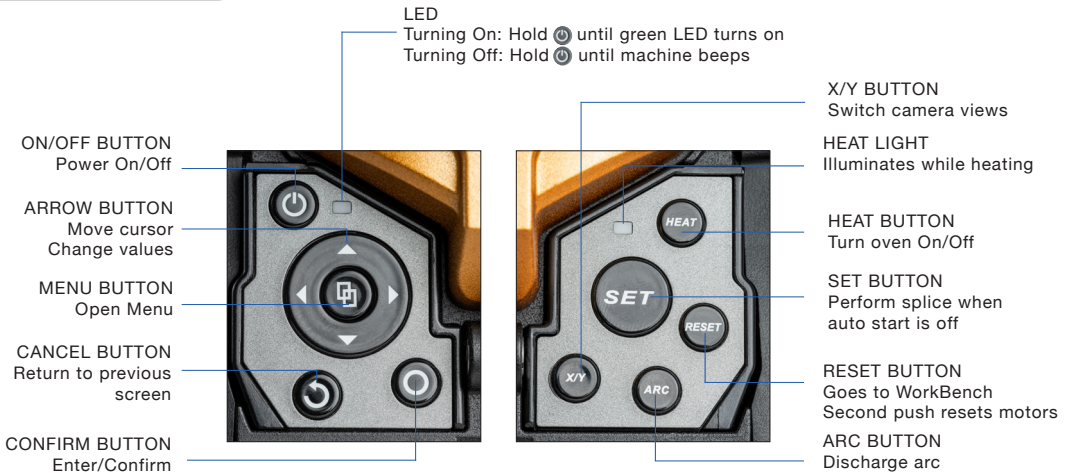


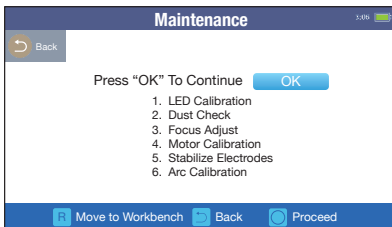
# Quick Start Guide


SPARC Fire Core and SPARC Fire Clad Machines



## Key Pad Overview



## Calibration



Calibration should be done daily. With machine on the WorkBench screen (which is initial startup screen), hit the back button. 

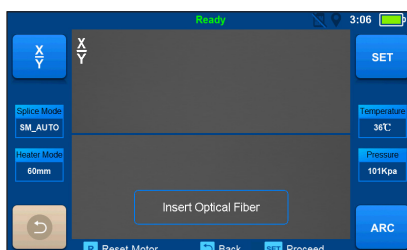
Navigate to the Maintenance Menu.  Click the Maintenance option.  Press "OK" to begin the calibration steps.

Hit Set to begin each step




**NOTE:** Steps 3-6 require that prepared fiber is set in both holders. Steps 1 and 2 will operate with or without fiber.

## Startup

Upon power up, the initial screen will be the WorkBench.



The default settings are **Splice Mode: SM\_AUTO** and **HEATER MODE: 60mm**.

If you need to change these settings hit the RETURN key  to return to the main menu and click the Splice Mode icon  (we recommend SM\_AUTO or MM\_AUTO), and adjust settings as needed. To change Heater Mode for different sized protection sleeves, click the Heater Mode icon  and choose the setting that best matches the size of your protection sleeve.



## Fiber Preparation

### Fiber Stripper Hole Chart

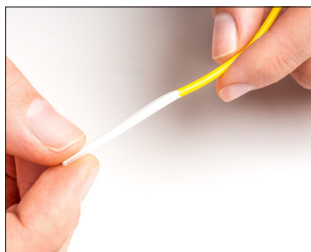
Hole 1		600-900um	Outer Jacket
Hole 2		250um	Buffer
Hole 3		125um	Coating



JIC-375

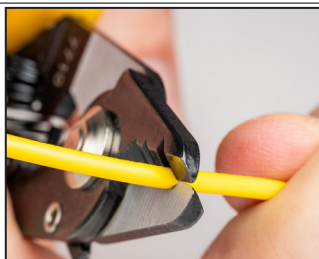


JIC-186



#### STEP 1

Carefully slip on protective sleeve and slide down for later use.



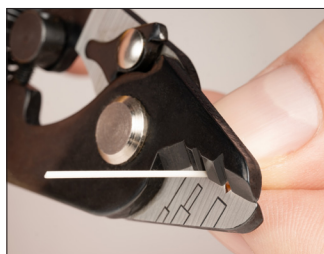
#### STEP 2

Strip outer jacket using Hole 1 on JIC-375.



#### STEP 3

Cut Aramid Yarn using JIC-186.



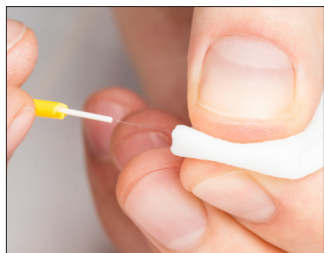
#### STEP 4

Strip buffer using Hole 2 on JIC-375.



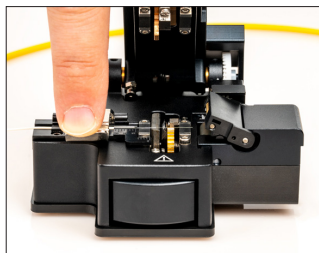
#### STEP 5

Carefully remove coating using Hole 3 on JIC-375.



#### STEP 6

Clean the fiber using included fiber wipes (FW series).



#### STEP 7

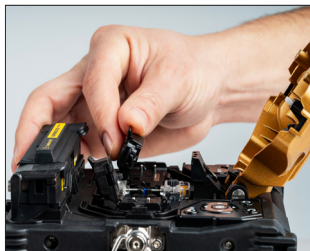
Place fiber in the correct channel for your fiber size, exposed fiber end should be in the automatic trash can, close lid to cleave. (Check manual for more information)



SCAN TO VIEW  
INSTRUCTION  
VIDEOS

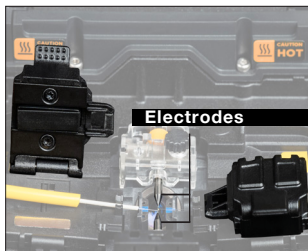
## Splicing Operation

Splicing steps while **AUTO SPLICING** is enabled



### STEP 1

Open the Fusion Chamber and fiber holders.



### STEP 2

Seat fiber in holder, in V-groove, as close to the electrodes without touching.



### STEP 3

Gently close the fiber holder. Repeat process for second fiber.



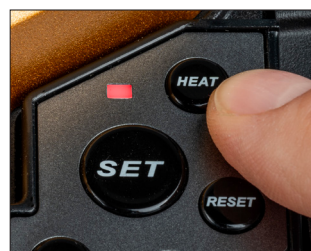
### STEP 4

Gently close the Fusion Chamber cover. Splicing happens automatically.



### STEP 5

Slide the sleeve over the splice and place it in the heater.



### STEP 6

Press the heat button. The red light will turn on with a beep, and once complete, it will turn off with a second beep.

### Spliced Fiber Result

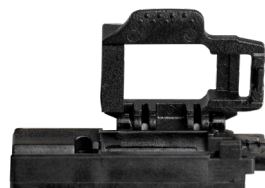


Once completed remove fiber and set aside to cool.

**NOTE:** When splicing splice on connectors, make sure to swap the included fiber holders. Check manual for more details.



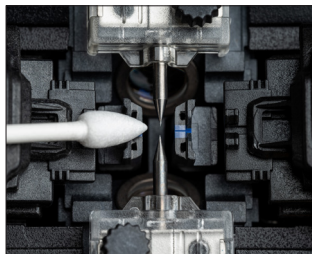
Heat Chamber  
Connector Fiber Holder



Fusion Chamber  
Connector Fiber Holder

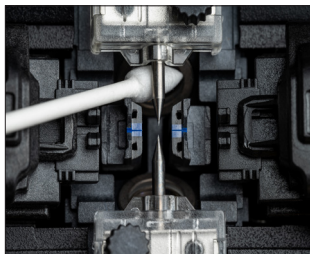
## Cleaning

For routine maintenance, use the Jonard Tools® CWP-125 Pointed Cleaning Swabs to effectively remove debris. For significant contamination, pair them with the Jonard Tools® FCF-3 Fiber Cleaning Fluid. Avoid using water; always use 99% or higher isopropyl alcohol to ensure compliance with industry standards and prevent damage. Regular maintenance is recommended before every use to keep SPARC Fusion Splicers operating as designed.



### STEP 1

Use Pointed Cleaning Swabs to gently remove all scrap fiber from the V-grooves.



### STEP 2

Carefully clean the lens located under the rear electrode positioned between the Fusion Chamber and the Heat Chamber.



### STEP 3

Wipe the Fiber Stabilizers located under the Fusion Chamber Cover.



### STEP 4

Ensure the LED lights under the Fusion Chamber Cover are free from debris.

**Warning:** Do not touch any of the components (V-grooves, lens, fiber stabilizers or LED lights) with your fingers. Oil and residue from your fingers can damage the machine and affect its performance. Always use appropriate cleaning tools to avoid contamination.

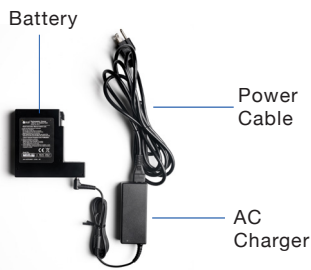


#### Support Notice

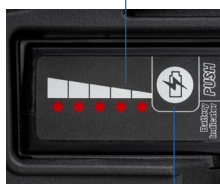
Support is available only for registered SPARC Fusion Splicers. Register by scanning the QR code to ensure eligibility for assistance, warranty, and repairs.

Email [FusionSupport@jonard.com](mailto:FusionSupport@jonard.com)

## Battery Pack and Power Indicators



#### Battery Level



Battery Check Button

The SPARC™ Fusion Splicer supports uninterrupted operation. It can be used while plugged in, allowing the battery to charge during use. With two batteries, you can charge one externally while working with the other, ensuring uninterrupted splicing.