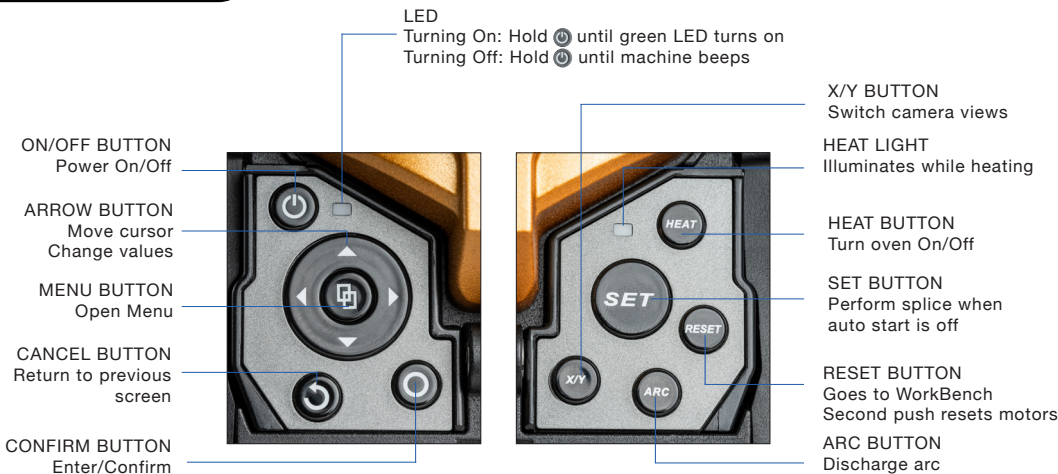


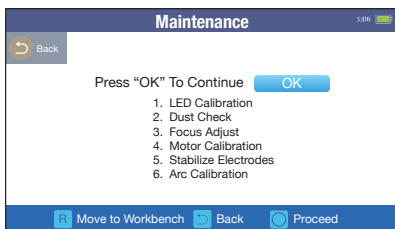
Quick Start Guide

SPARC Fire Core and SPARC Fire Clad Machines

Key Pad Overview



Calibration

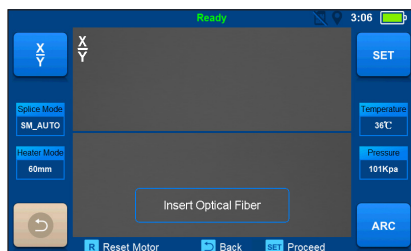


Calibration should be done daily. With machine on the WorkBench screen (which is initial startup screen), hit the back button. Navigate to the Maintenance Menu. Click the Maintenance option. Press "OK" to begin the calibration steps. Hit Set to begin each step

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.



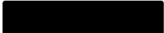


The default settings are **Splice Mode: SM_AUTO** and **HEATER MODE: 60mm**.

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

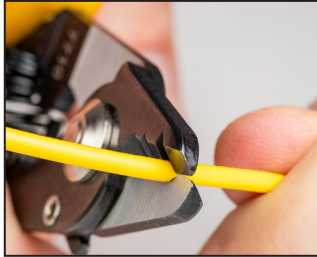
Fiber Stripper Hole Chart

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



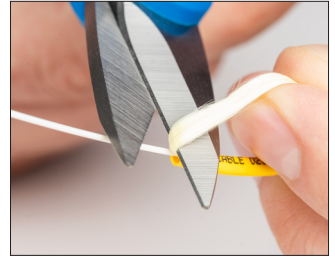
STEP 1

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.



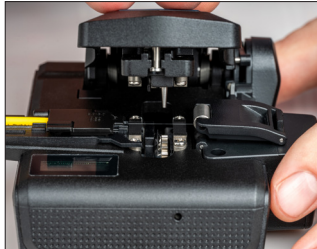
STEP 5

Carefully remove coating using Hole 3 on JIC-375.



STEP 6

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



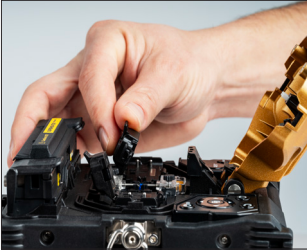
STEP 7

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)



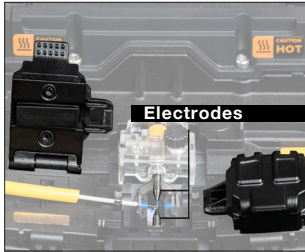
Splicing Operation

Splicing steps while **AUTO SPLICING** is enabled



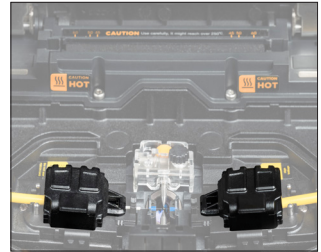
STEP 1

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.



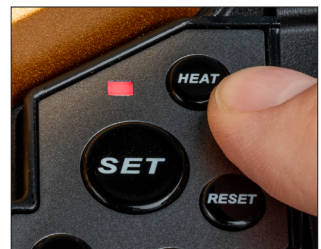
STEP 4

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

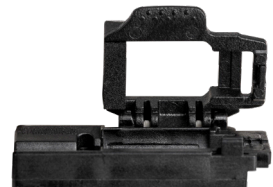


Once completed remove fiber and set aside to cool.

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



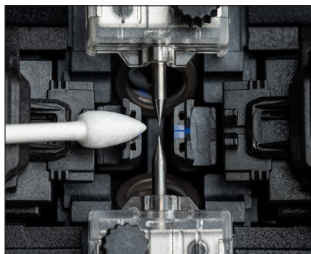
Heat Chamber
Connector Fiber Holder



Fusion Chamber
Connector Fiber Holder

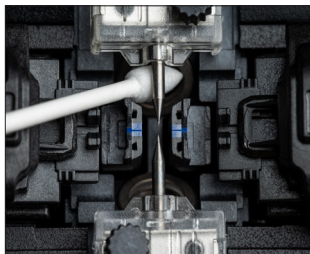
Cleaning

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.



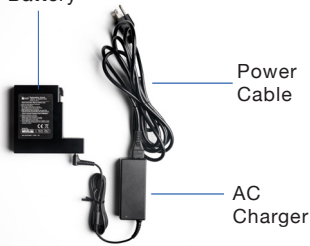
Support Notice

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

Battery Pack and Power Indicators

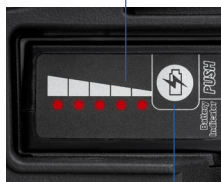
Battery



Power Cable

AC Charger

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.