

11<sup>th</sup> February 2015

## Hand-Held Single Fiber Fusion Splicer FITELNINJA NJ001

Furukawa Electric Co., Ltd. is launching sales of the FITELNINJA NJ001 Fusion Splicer. This hand-held single fiber fusion splicer is ideal for working on LAN (Local Area Network) and FTTx (Fiber to the home/building/node/curb, etc.) connections. As robust as its predecessor the S123C, the FITELNINJA is considerably smaller and lighter offering the operator optimal ease of use, portability and durability.



### ■ Development background

The ongoing expansion of FTTx networks worldwide calls for affordable, compact and light fusion splicers that are also robust and can safely be used in demanding environments including high, narrow or dark places both inside the home and on construction sites. Furukawa Electric has designed the FITELNINJA in order to meet these requirements.

### ■ Features

#### ○ Compact and light weight

Size reduction of approximately 40% from its predecessor (S123C).

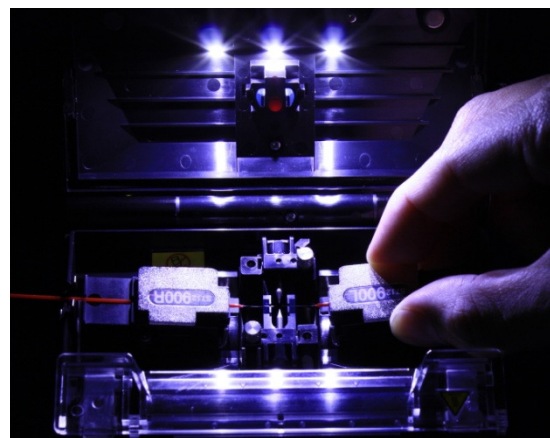
#### ○ Ease of use

- The splicing chamber has been redesigned; 4 times more space has been created around the fiber holders, providing enough room for the fingers to facilitate fiber loading.
- The 3 LED lamps illuminating the splicing chamber make it easier to work in a dark environment.

#### ○ Durability

- Shock resistance

The 4 rubber pads on the corners of the machine increase the shock resistance of the machine. Standard operations could be carried out after being dropped from 76cm on 5



## FURUKAWA ELECTRIC EUROPE LTD.

Furukawa House 77-85 Fulham Palace Road, London W6 8JD.  
 Tel: +44 (0) 20 7313 5300 Fax: +44 (0) 20 7313 5310

different angles. <sup>\*1)</sup>

- Dust & Water resistance

Standard operations could be properly carried out after having conducted IP52 equivalent tests. <sup>\*2) \*3)</sup>

- Easy maintenance

The FITELNINJA features the industry's first detachable V-groove, and retains the tool-less electrode replacement and mirror free alignment system of its predecessor the S123C. These features make it easier to maintain the fusion splicer in an optimal condition.

- Fast operation

Incorporates fast splicing (approximately 13 seconds <sup>\*4)</sup>) with low loss as well as fast heating (approximately 20 seconds <sup>\*5)</sup>) for single fibers.

- Battery Capacity

With its low power consumption, the NJ001 is capable of performing 100 splicing and heating cycles on a single battery charge.

- Compatibility with Seikoh Giken and Diamond Splice-on-Connector (SOC)

The detachable heater clamp allows work with SOC.

### ■ Specification

<b>Applicable Fibers</b>	<b>SM, MM, DSF, NZD, BIF/UBIF</b>
<b>Cladding Diameter</b>	<b>125 μm</b>
<b>Splice Time</b>	<b>13 seconds <sup>*4)</sup></b>
<b>Typical Heating Time</b>	<b>17 seconds (40 mm sleeve) <sup>*5)</sup></b> <b>20 seconds (60 mm sleeve) <sup>*5)</sup></b>
<b>Battery Capacity</b>	<b>100 cycles <sup>*6)</sup></b>
<b>Dimension</b>	<b>139W x 176D x 71H mm (including Rubber Pads)</b>
<b>Weight</b>	<b>970 g (including Battery)</b>

\*1 These tests were performed at Furukawa Electric Co., Ltd laboratories and does not guarantee that the machine will always be undamaged under these conditions. Impact angles are front, rear, bottom, left and right hand side.

\*2: IPX2 rating drip proof means that the machine can be exposed to 3mm/min drips for 10 min with 15° tilt and still function.

\*3: IP5X rating dust proof means that the machine can be exposed to dust particles with a diameter of 0.1 μm to 25μm for 8 hours and still function.

\*4: Using semi-auto mode.

\*5: Using pre-heating mode, this value may vary depending on the type of sleeves.

\*6: The number of splicing and heating cycles the machine can perform with a fully charged brand new battery at room temperature (20°C). This may vary depending on the battery status and operating environment.