

September 4, 2020

Sumitomo Electric Industries, Ltd.

## Sumitomo Electric Launches TYPE-72C+, the World's First AI-Programmed High-Definition Core-Aligning Fusion Splicer

Sumitomo Electric Industries, Ltd. announces the release of the world's first\*<sup>1</sup> AI (artificial intelligence)-programmed high-definition core-aligning fusion splicer, the TYPE-72C+.

The TYPE-72C+ offers improved splicing performance, reliability, and overall experience with our new features and technologies, while maintaining all of the industry-leading features of its predecessor, the TYPE-72C, including its world-class\*<sup>2</sup> light and compact frame, quick splicing, and environmental durability.



The TYPE-72C+ is equipped with NanoTune™ technology, which greatly improves splicing efficiency and accuracy regardless of operational condition and user skill, with the use of AI algorithms. The TYPE-72C+ drastically reduces the need of splice reworks caused by insufficient fiber preparation such as poor cleaving, thus reducing overall costs. Its Preventive Maintenance feature enables users to be alerted of upcoming repairs or consumable replacement, thus reducing unexpected downtime. SumiCloud™\*<sup>3</sup> supports this function with wireless LAN connectivity\*<sup>4</sup>.

The TYPE-72C+ can splice in 5 seconds in Quick Mode, and has an improved heating time of 8 seconds. In addition to a variety of highly regarded functions inherited from its predecessor, such as the lightweight and compact design and shock-proof, dust-proof, and drip-proof frame, the TYPE-72C+ saves power consumption by 7% with a newly employed heat-resistant material, thereby enabling 320 operation cycles on a full charge.

# News Release

With the increase in remote work and telemedicine, as well as online learning, establishment of high-speed, large-capacity, low-delay communication networks will be increasingly demanded. The Sumitomo Electric Group will contribute to advanced communication networks by developing and providing new products and technologies that meet customer needs with even higher functionality, expandability, and workability.

Sumitomo Electric has drawn on its 40 years of experience in designing and producing this world-leading fusion splicer. The TYPE-72C+ will be available for purchase this autumn in select regions.

	TYPE-72C (Previous model)	TYPE-72C+ (New model)
NanoTune™ AI prograded splice  NanoTune™ Enhanced splice experience	---	Available
Preventive Maintenance Supported by SumiCloud™  SumiCloud™	---	Available
Splice time (typical)	5 seconds	
Heating time (typical)	9 seconds	8 seconds
Touch screen	Available	
Splice & heat cycle	300 cycles	320 cycles
Impact resistance	Drop from 76 cm on 5 faces	
Water resistance	Equivalent to IPx2	
Dust resistance	Equivalent to IP5x	

\*1 Based on an internal investigation.

\*2 Based on an internal investigation as of August 1, 2020.

\*3 SumiCloud is a system that collectively manages various information related to fusion splicing on the cloud, and can be accessed via smartphones.

# News Release



\*4 Wireless LAN connectivity feature is not available in all countries.

- References:

- Website (Fusion splicer & accessories) :

<https://global-sei.com/sumitomo-electric-splicers/>

- LinkedIn (Sumitomo Electric Fusion Splicer) :

<https://www.linkedin.com/showcase/sumitomoelectricfusionsplicer/>

- Facebook (Sumitomo Electric Fusion Splicer) :

<https://www.facebook.com/sumitomoelectricsplicer/>

- Sumitomo Electric's Website

<https://sumitomoelectric.com/>

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