

July 15, 2026

NTT ADVANCED TECHNOLOGY CORPORATION

NTT-AT Launches "NEOCLEAN-MMC", a Dedicated Optical Connector Cleaner for MMC Connectors - Enabling Reliable Cleaning in High-Density Next-Generation Optical Networks -

NTT ADVANCED TECHNOLOGY CORPORATION (NTT-AT; Head Office: Shinjuku-ku, Tokyo; President and Representative Director: Tadashi Ito) has developed NEOCLEAN-MMC, a dedicated optical connector cleaner designed specifically for ultra-compact MMC™ connectors, and will begin providing the product on July 15, 2026.

Based on the technology cultivated through the NEOCLEAN-M cleaner for MPO connectors, NEOCLEAN-MMC delivers reliable cleaning performance tailored to the high-density implementation environment of MMC connectors.

As communication traffic continues to increase, higher transmission speeds and greater connector density have heightened the risks associated with end-face contamination. NEOCLEAN-MMC helps improve network reliability and maintenance efficiency by enabling stable and effective cleaning of MMC connector ferrules.

1. Background

MMC connectors are emerging as a key VSFF (Very Small Form Factor) optical connectivity technology for next-generation data centers and high-density optical networks. As communication traffic continues to grow, optical communication infrastructure is becoming increasingly faster and denser, accelerating adoption of MMC connectors.

At the same time, even microscopic contamination on connector end faces can have a significant impact on communication quality, resulting in increased insertion loss and degradation of optical performance. In high-density installation environments, conventional general-purpose cleaners may not always provide adequate cleaning performance, creating demand for a dedicated cleaner capable of delivering reliable and consistent results.

2. Product Overview

NEOCLEAN-MMC is an optical connector cleaner specifically designed for MMC connectors. Through its proprietary guide structure and cleaning mechanism, the cleaner achieves stable contact and reliable end-face cleaning even within narrow-pitch, high-density connector configurations.



3. Key Features

(1) Highly Reliable Cleaning Performance

- Dedicated Design for MMC Connectors

NEOCLEAN-MMC is optimized for MMC connectors, which feature narrow pitches and various connector configurations. Its dedicated design enables stable contact with the ferrule end face, ensuring reliable cleaning performance.

- Proprietary Guide Structure Prevents Misalignment

The cleaner incorporates a unique guide structure that helps prevent positioning errors and poor contact during cleaning operations. This enables consistent cleaning quality regardless of the operator's experience level.

- Low-Lint and Uniform Cleaning Action

Inherited from the proven NEOCLEAN-M cleaner for MPO connectors, the low-lint design and uniform cleaning mechanism help achieve high-quality cleaning while minimizing the risk of introducing new contaminants onto the connector end face.

(2) Improved Maintenance Efficiency

- One-Action Cleaning

Cleaning is completed with a simple push action, reducing maintenance time in the field and enabling efficient optical connector maintenance.

- Reduced Maintenance Costs Through Fewer Troubles

By minimizing insertion loss increases and reflection-related issues caused by end-face contamination, NEOCLEAN-MMC contributes to stable communication quality. It also reduces the need for reconnection and repeated measurements, helping lower maintenance workload and operational costs.

4. Target Customers and Benefits

NEOCLEAN-MMC is intended for:

- Data center operators
- Optical equipment manufacturers
- Installation and maintenance service providers

The product contributes to improved communication reliability and reduced operational costs.

5. Availability

July 15, 2026

6. Pricing

NEOCLEAN-MMC will be available through authorized distributors.

For more information, please contact us using the information provided below.

7. Future Development

As the industry continues its transition from MPO connectors to VSFF connectors, NTT-AT will promote NEOCLEAN-MMC as a standard cleaning solution for next-generation optical connectors.

* MMC is a trademark or registered trademark of its respective owner.

* All company and product names mentioned herein are trademarks or registered trademarks of their respective companies.

* The data is current as of the date of publication. Please note that the information is subject to change without notice.

■For further information, please contact:

NTT ADVANCED TECHNOLOGY CORPORATION

[Product Inquiries]

Materials and Nanotechnology Business Division

Optical Business Division

Optical Products Section

https://keytech.ntt-at.com/en/optic1/prd_0051.html

[Press Inquiries]

Corporate Planning Division

Corporate Strategy Office

Public Relations

Contact: Goto and Nemoto

<https://www.ntt-at.co.jp/inquiry/koho/>