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NTT Advanced Technology Corp.

## New Type Optical Connector Polisher “ATP-3200” Launched for Sales Capable of Polishing up to 96 Terminals of LC Connectors -Improved maintainability while keeping the advantages of independent pressurizing-

NTT Advanced Technology Corporation (hereafter: NTT-AT, head office: Kawasaki-shi, Kanagawa Prefecture, President: George Kimura) introduces, as a successor to the optical connector polishing machine "ATP-3000" which simultaneously realized low cost and high quality polishing, it's new product, the "ATP-3200" which doubles the maximum number terminals simultaneously polished and has improved maintainability, to be launched from mid July 2018.

The "ATP-3200" is capable of polishing from small numbers of a wide variety of newly developed products, and with the optional part, up to 48 MPO connector terminals or 96 LC connector terminals at the same time.

### ■ Background

In recent years, in to response to the expansion of IoT business and mobile Internet usage with the increase in number of communication devices installed, the demands for optical connectors used has also increased, and the need for multi-fiber connectors and higher quality optical connectors is rising. At the same time, cost reduction of optical connectors has become an urgent issue.

The performance of the optical connector is greatly influenced by the shape and accuracy of the end face. In other words, since the finish of the end face polishing is directly linked to the quality of the optical connector, in order to make a connector of stable quality, it is necessary to have a device capable of stable and accurate polishing. Also, if you can handle many optical connectors at once, you can reduce the manufacturing cost per piece. Based on these demands, the "ATP-3200" has been developed to realize both high quality polishing and mass polishing.

### ■ From Small Quantity Prototyping to Mass Production

NTT-AT's optical connector polishing machine, the "ATP - 3000" has been highly rated both at home and abroad for its performance and versatility. While of course capable of polishing all types of standard as optical connectors, it has also served well for prototype polishing of newly developed products, thus supporting a wide range of small quantity production and mass production. The conventional machine "ATP - 3000" is capable of polishing up to 22 terminals at a time.

And now, with the new product "ATP - 3200", can of course polish small amounts, but since it is possible to mount 2 jigs, by installing the optional part, it can simultaneously polish up to 48 MPO connector terminals or as many as 96 LC connector terminals!



Appearance of the ATP-3200



2 jigs can be mounted

## ■ Special Features of NTT-AT Optical Connector Polishers

### [Independent Pressurizing System]

A typical optical connector polishing machine collectively presses all the connectors to be polished together. When polishing is performed to match a connector that needs to be cut the most, the other connectors are then excessively cut down.

In contrast, NTT-AT's optical connector polishers, including the new product "ATP-3200," use an independent pressure method, and since each connector is individually pressurized, proper polishing of each 1 connector is completed in quantity with a mechanism that prevents excessive shaving.

In addition to using the independent pressurization method, there are also other advantages such as being able to simultaneously polish different types of connectors and ferrules such as SC, FC, ST connectors and 2.5 mm diameter ferrules, or polishing from as few as 1 piece without using a dummy connector.

Because it can polish from only 1 terminal, it is possible to evaluate the polishing process of special materials or develop improved processes with low risk and at low cost, and then, a mass production system can be developed from that, just by adding more frames.



Simultaneous polishing of different connectors with independent pressurization

### [Unique Polishing Track System]

NTT-AT polishing machine utilize a unique polishing track system that efficiently uses the entire surface of the polishing film, minimizing waste. Additionally, there is very little overlap of polishing tracks, and scratches to the ferrule due to polishing are kept to a minimum.

### [High Maintainability]

It is typical for most optical connector polishing machines to have to be sent back to the manufacturer for a complete overhaul once a year, depending on the frequency of use and type of usage. However, NTT-AT manufactured polishing machines are superior for maintenance, and users can easily replace expendable parts by themselves. This reduces both the downtime and costs due to maintenance. The "ATP-3200" has been made to be even more resistant to adherence of polishing scraps, making maintenance of the polishing machine even easier.

## ■ Product Specifications

Name	ATP-3200
Type	Desktop stationary type
Dimensions (mm)	W:300×D:430×H:290
Weight	Approx. 25 kg
Power/Consumption	AC100~240 240W

## ■ Method of Sales

Direct sales and distributor sales (We will start accepting orders from the middle of July and ship in sequence from this September.)

## ■ Price

Open price

For inquiries regarding this matter

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