

The function of the dust cover for optical fiber fusion splicing machine

The main purpose of a fiber optic splice protection sleeve is to provide mechanical reinforcement and environmental sealing for a bare fusion splice. It protects the fragile glass joint from physical damage, ...

This document describes the Generic requirements of the Optical Fibre Splicing machine used for splicing the optical fibres. The Optical Splice Machine is designed to splice fibres by fusing the fibres ...

Generally, a large special rag is used to clean the dust and grease on the surface of the machine with the dust cover closed. For special parts that are difficult to clean, such as the grooves ...

When fusion is completed, the splicing machine will inspect the splice and estimate the optical loss of the splice. It will tell the operator if a splice needs to be remade.

The fusion splicer detects the dust on fiber, camera or objective by imaging, which can influence the splicing result. This function can detect the dust on the optical channel and judge whether it will ...

The spliced portion of optical fiber should be put in regular order in the fusion splice protector, and the extra length of optical fiber should be put on the splice tray.

It details the crucial requirements for achieving high-quality splices with losses as low as 0.02 dB, particularly for single-mode fibers, covering aspects like fiber end preparation, core alignment, and ...

When working in a dusty or humid environment, make sure you cover the cleaned fiber with a boot immediately after cleaning and before splicing. This will help keep them clean until it is ...

Preparing the fiber end face includes stripping, cleaning, and cutting. The necessary condition for fusion splicing is a qualified fiber end face, and its quality directly affects the quality of ...

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