Dispensing Solutions
Dispensing Units and Accessories for Fiberoptics Patchcord Production

- Manual dispenser for syringes
- Syringes & syringe holder
- Adapter tube for pneumatic dispenser
- Plunger & needle for threaded syringes
- Pneumatic syringe dispenser
Dispensing Units and Accessories for Fiber optics Patchcord production

The dispensing systems from MUSASHI are used in numerous industrial processes, such as automotive, cable assembly, optical module manufacturing, electronics, solar cell manufacturing and medical technology. A large choice of consumables, like syringes, nozzles and adapter hoses cover all customer needs.

When handling liquid materials process parameters like stability, flow volume and the curing profile of the used materials are of paramount importance. Permanent monitoring and control of these parameters is essential to ensure stable dispensing during the process, even with self-curing materials.

High precision systems optimize the production flow, lower the costs and maximize throughput for electrical and electromechanical manufacturing sequences. When used in medical applications Musashi’s solutions ensure absolute even dispensing of UV curing adhesives, silicone, cyanoacrylate adhesives and other liquid materials.

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- Syringes & Syringe Holder
- Adapter Tube for Pneumatic dispenser
- Plunger & Needle for threaded syringe
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Fluid material viscosity table

![Fluid material viscosity table](image)
Adhesive Injection Systems for Ferrules

The Shotmaster is an automated solution for dispensing adhesives into ferrules of fiber optic connectors. The robot arm allows for precise positioning of the syringe needle in relation to the ferrule hence avoiding later failure of connectors due to glue misplacement. The integrated dispense system corrects for the glue changing its viscosity over time hence making sure always same volume is injected in the ferrule. The Shotmaster is the ideal solution for today's high volume high quality fiber optic connector assembly lines. This robot is equipped with a high precision pneumatic dispenser that accurately corrects for fluctuations in the dose volume caused by changes in viscosity, such as occur with two-part resin material.

- Streamline the injection operation
- Compatible with large variety of ferrule
- Improve workability
- Stabilizing adhesive spread
- Temperature control by peltier device
- Stabilizing of quality

Injection step

Centrifugal bubble eliminator for syringes

This is bubble eliminator for removing bubbles that are generated when filling material into syringes by using centrifugal force. Simple operation: Put a liquired-filled syringes in the machine and press the switch. Two models are available according to the syringe size. Clean and simple bubble removal for various fluids such as epoxy resin and grease.

ML-808FX: High precision dispenser flexible with viscosity change

Stable dispensing of two-liquid type cure adhesive. With the <auto increment function>, dispensing set conditions automatically switches step-by-step. With the <auto slope function>, the channel is set automatically just by inputting the start and end dispensing conditions. Variable line width at a constant drawing speed. Ideal for automation lines and centralized control from host computer because the RS-232C communication function is provided.
enabling your ideas.
Optical, Power and Thermal Management Technologies

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