







ECO SYSTEM Super low pressure microspraying systems for machining, tooling or coating applications.

LUBE osers and dosing systems for lubricants.

DISTIK

Dosers and dosing systems for adhesives and sealants.

SPECIAL

DOSING SYSTEMS AND SOLUTIONS FOR LOW AND HIGH

3-axis robot systems and turn-key solutions for fluid applications in strings or

ROBOT

FLUID DOSING



AND INTEGRATED SOLUTIONS

FLUID DOSING SYSTEMS



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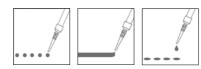
M-DUO-HP







CASTING MACHINES FOR 2K RESINS M-DUO-HP



Suitable for dispensing applications of:

Silicone, polyurethane or epoxy based viscous resins.

Semi-automatic dispensing machine for medium or high viscosity 2K resins. Suitable for casting applications with polyurethane, epoxy or silicone resins, with or without the presence of suspended abrasive fillers (after evaluation of the technical data sheet and product sample). The basic machine doses by means of a dispensing valve combined with a disposable static mixer.

The machine has a painted steel structure housing the two extrusion pumps, the electrical panel and the dosing system. In the machine there are two independent tanks containing respectively the resin and the hardener. Cycle start by means of a trigger or external if the dispensing head is mounted on an automation. In the basic configuration there is no automatic degassing of the tanks, but the machine can be implemented with an optional kit generating the vacuum. The machine is not designed to handle flammable products, the electrical circuitry is not ATEX compliant. The machine is **(E** marked and compliant with safety rules and law.



The software

The user-friendly software is able to manage the dosing parameters and the mixing ratio, which could be easily modified through touch screen panel. Possibility to memorize different recipes. On request and after technical verification, it can be implemented with further packages to communicate with the customer's PLC.



The dosing group

The dosing group includes two independent volumetric dosing units with gear-based technology.

Particularly suitable for heavy industrial applications of viscous products.

High torque and great ability to accurately dose even high viscosity fluids.

The products contained in the pails are extruded by means of two independent pressing plate pumps.

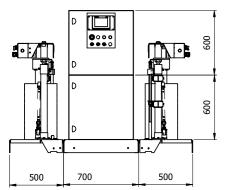


The dispensing

The products are dispensed from the valve equipped with a disposable static mixing nozzle.

The size of the valve and the model of the nozzle are set up according to the technical specifications of the products to be mixed.

The actual maximum flow rate depends on the mixing ratio and the mixing capacity of the static mixer used.



Main technical characteristics 230V 50-60Hz single phase Power supply: 24V DC Auxiliary circuits: 5-6 bar Air supply: 4 KW indicatively Power: Standard pneumatics: SMC or FESTO

Standard models:

The resin dispensing machine M-DUO-HP is equipped with gear-based (DVC) volumetric dosers.

M-DUO-HP 2525	Pump for 25I resin pail – Pump for 5I hardener pail
M-DUO-HP 2505	Pump for 25l resin pail - Pump for 25l hardener pail

Optional software packages

- Industry 4.0 compliance according to customer's specific requirements
- Barcode, QR reader.
- Dialogue with external PLC or supervisor with specified protocols, to bedefined in offer

Further optional implementations

- Duct heating: resin tank heating as well as heating of all the pipes up to the
- · Optional gun handle with integrated trigger control.
- Balanced pantograph arms.

ACCESSORIES AND OPTIONALS



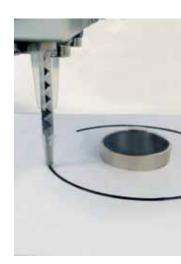
Electronic circuits potting.



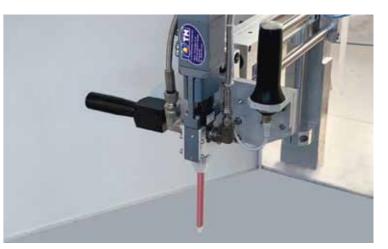
Potting on connectors



Dispensing on micro switches.



Curbs creation.



Balanced pantograph arm.

APPLICATIONS

M-DUO-HP machines can be used in many dispensing and dosing applications and assembling processes. Typical applications are:



SEALING

Liquid sealing and liquid gaskets for electronics and engine assembly. Typical application sees the machine equipped with volumetric electric continuous dosers gear-based such as the DVC series.

BONDING AND HEAT TRANSMISSION

Structural bonding of parts. Typical application sees the machine equipped with volumetric electric linear piston-based or screw-based dosers such as DVL or DVM series



RESIN CASTING/POTTING

Potting, casting or injection of 1k or 2k resins for electronic elements and PCBs. Typical application sees the machine equipped with volumetric electric linear piston-based or screw-based dosers, such as DVL or DVM series.

MICRODOSING

Microdosing of lubricants during mechanical assembly process, which can be contact, contactless or microspray. Typical application sees the machine equipped with volumetric pneumatic dosers such as the VVPP or VVAP series



FILLING

Dosing and precision filling of oleodynamic or mechanical cinematics. Typical application sees the machine equipped with volumetric electric linear piston-based dosers such as DVL series.