The 2-K-DOS mixing and dispensing system quickly and exactly mixes and dispenses 2-component casting compounds and adhesives with a polyurethane, epoxy or silicon base. Thanks to its modular design, the device can be adapted to a very wide range of applications.
The 2-K-DOS unit quickly and exactly mixes and dispenses a multitude of 2-component casting compounds and adhesives. The mixture ratio, dispensing rate and dispensed amount can be selected with a high level of resolution and consequently guarantee precise mixing and dispensing at all times. The unit mixes the mixture exactly at all times and supplies a mixture that is free of air bubbles.

A computer-controlled process feeds the two components, which are stored in material containers integrated in the device, through a flexible tube and to the dispensing head where an easy-to-exchange static mixer mixes them.

The device can help solve the widest range of sealing jobs thanks to the various configurations made possible by the modular design, the various add-on devices and the accessories.

Special functions
- Operation with keyboard and display, menu-driven and password-protected
- Level monitoring system
- Working life alarm with automatic rinsing of the mixing nozzle
- Storage of up to 99 different mixing and dispensing programs

Application areas
- Sealing electronic assemblies and components
- Sealing partitioning seams
- Applying sealing and adhesive beads and coatings

Advantages compared to hand mixing
- Mixture is available at all times
- Mixing and dispensing without air bubbles
- Mixing and dispensing with process reliability
- Easy-to-program mixing and dispensing program: mixture ratio, dispensing speed and dispensed amount
- Rapid amortisation due to distinct time savings

Technical specifications:
- Mixture ratio: 1:1 to 1:10 *
- Dispensing rate: 20 – 1,000 g/min *
- Shot size: from 2 g upwards or continuous *
- Container sizes: 4, 10, 15 ltr **
- Dimensions: W x D x H = 320 x 320 x 700 **
- Weight: 35 kg **
- Length of dispensing hose: 90 cm **
- Line voltage: 230 V or 110 V
- Power consumption: 150 VA
- Mark of conformity: CE

* Depending on casting compound
** Depending on type

Types and accessories
- Various material containers
- Various lengths of dispensing hose
- Stirring unit for sedimenting casting compounds
- Vacuum to degas the casting compounds
- Heater to heat the casting compounds
- Air in the containers is dried with drying cartridge or nitrogen
- Documentation of the casting compounds

Add-on devices
- ROBO-DOS coordinate table for fully automatic sealing
- LIN-DOS S three-axis linear unit for sealing LED bars
- Regulated heating of the casting compound with THERMO-DOS
- Vacuum casting with VAKU-DOS
- Documentation of the casting compounds with DOKU-DOS software
- Fine dispensing with dispensing pen

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