

2-K-DOS

Mixing and dispensing system

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.



Fritz Giebler GmbH
Development and
production of devices
and control systems

2-K-DOS

Mixing and dispensing system

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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