

Product Information

Minimal Quantity Piston Dispensing System M-KDS

Minimal quantities precisely mixed and dispensed



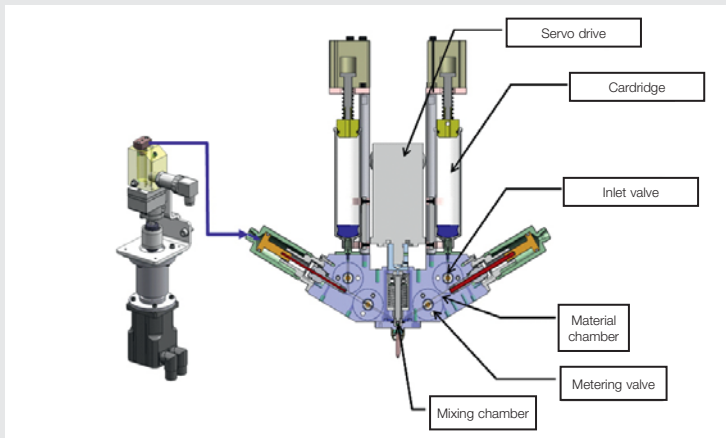
Your advantages

- » **Best possible mixing of smallest 2K-volumes by using dynamic mixing process**
- » **Extensive process monitoring options**
 - Monitoring of pressure conditions, pump speeds
 - Material levels
- » **Compact design**
 - flat design permits parallel beads > 70 mm distance with multiple systems
- » **Flexible material supply**
 - Cartridge sizes from 10 – 180 cm³
 - Pressure tanks
 - Material conditioning system
- » **Freely programmable piston dispensing system for highest precision**



Minimal Quantity Piston Dispensing System M-KDS

Product Details



The Minimal Quantity Piston Dispensing System M-KDS marks a break-through in dispensing filled and unfilled two-component materials.

The decisive advantage of the M-KDS is small quantities of material being intensively mixed by the dynamic mixing process.

Thanks to the volumetric dispensing of the piston dispensing system, the user can rely on a consistent dispensing result independent from viscosity and type of filler.

The piston system is electro-hydraulically driven and covers a wide range of mixing ratios.

Technical Data (subject to change)

Dispensing output range	2 – 20 mm ³ /s (depending upon material)
Smallest shot size	Approx. 1 mm ³ at a mixing ratio of 100:30
Largest shot size	Approx. 250 mm ³
Shortest possible dispensing time	Approx. 300 ms
Viscosity of components	20 m Pa*s – 200.000 m Pa*s
Filling time material chamber	Approx. 10 s (depending on viscosity)
Pot life	Approx. > 5 min.
Range of mixing ratios	100:100 to 100:5
Controls	SIEMENS S7-300 (313C) with control panel OP 077
Dispensing programs	Max. 49
Electrical supply	3 x 400 V/50 Hz; 16 A
Power consumption	Approx. 3 kW
Compressed air consumption	> 5,5 bar, approx. 5 l/min
Weight (with servohydraulics)	Approx. 25 kg

* Errors excepted. Subject to change. (as per 02/2008)

Options

- » Material supply from 310 ml cartridges
- » Pressure tanks with agitator, recirculation and automatic thin-layer degassing system
- » Cascadable to up to 3 parallel mixing systems
- » Pressure monitoring during dispensing pause and while dispensing

