

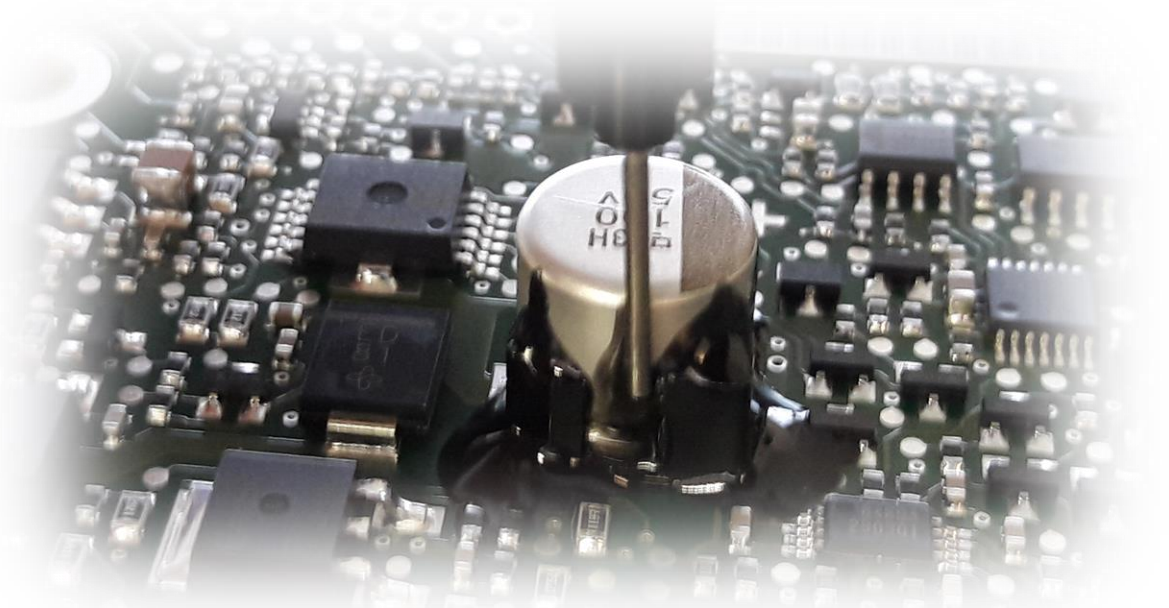
# I-Mix 221

## Micro dosage system



Dosing

of 2-component materials



### Product Use

- ✓ Microdrops to 0,01 g
  - ✓ Safe blending
  - ✓ Double cartridge system
  - ✓ Many mixture ratios
  - ✓ Variable structure
  - ✓ Easy handling
- Secure bonding individual components
  - High process reliability
  - Very fast material change
  - Versatile use
  - Upgradeable into existing systems
  - No expert knowledge required



### Our services

*Material selection*

*Project studies*

*Sampling*

*Design advice*

*Parameter determination*

*Trainings*

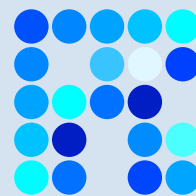
Your complete dosing process

With the micro-dosing system I-Mix 221, you can process 2-component materials easily and reliably. The system can be configured as a single workstation or integrated into a new or existing robotic system.

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# I-Mix 221

## Micro dosage system



### Dosing

### of 2-component materials

#### Mixing ratio

The mixing ratio of component A and B is ensured by means of double cartridges. The material is filled into the cartridge system manually by pouring the materials. The plug system with venting prevents air trapping above the material and thus ensures a correct mixing ratio from the beginning.

#### Possible mixing ratios (volume)

- 1:1
- 1:2
- 1:3
- 1:4
- 1:10



Double cartridge



Mixing tube

#### Cartridge tray

The cartridge system is inserted into the easily accessible cartridge receptacle and pressurized. Pressure and level can be monitored reliably or manually by means of sensors. The flexibility of the systems allows the use as a manual workstation, controllable with dosing device and foot pedal, or the adaptation of the unit in existing systems.



Double cartridge holder

#### Easy maintenance

All material-carrying parts can either be simply exchanged or quickly disassembled and cleaned. Since no elaborate pump systems or screw metering valves are used, the cleaning or a material change is carried out very quickly.

#### Microdosing

For the dosage of small to smallest glue drops, the system has proved very successful. Depending on the size of the valve used drops up to a size of approx. 0.01 gram, for example for the additional bonding of high components, can be dosed to protect against vibration damage.



Diaphragm valve

#### Your dosing configuration

For a configuration that suits you, we need the following information:

- Technical data sheets of the materials to be dosed
- Desired degree of automation (manual workstation?)
- Your dosing application

EPSYS is a producer of manufacturing equipment and accessories for the process protective coating, drying and control. EPSYS offers the complete set-up and integration of the required components for assembly protection in production.

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