



 **HÜBERS**

## Micro Casting Systems from HÜBERS. For Precision Casting of the Smallest Quantities.

### Your Requirements:

You manufacture sensitive electronic products, such as power semiconductors, diodes, diesel injectors and components for medical equipment. For casting purposes, you need systems that guarantee perfection and absolute freedom from voids with minimum casting quantities.

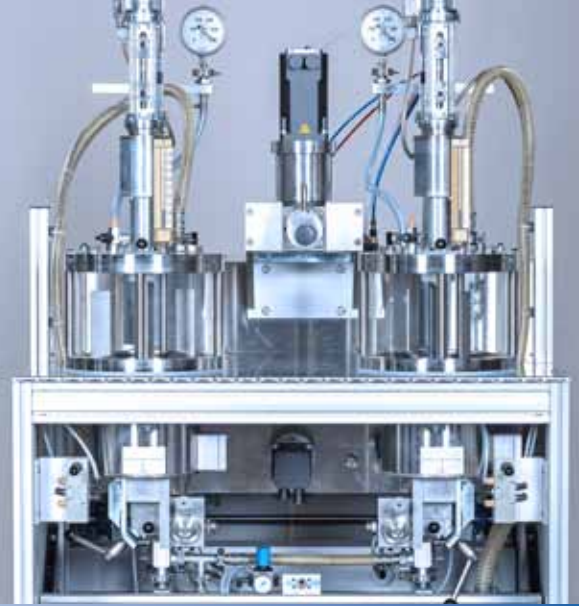
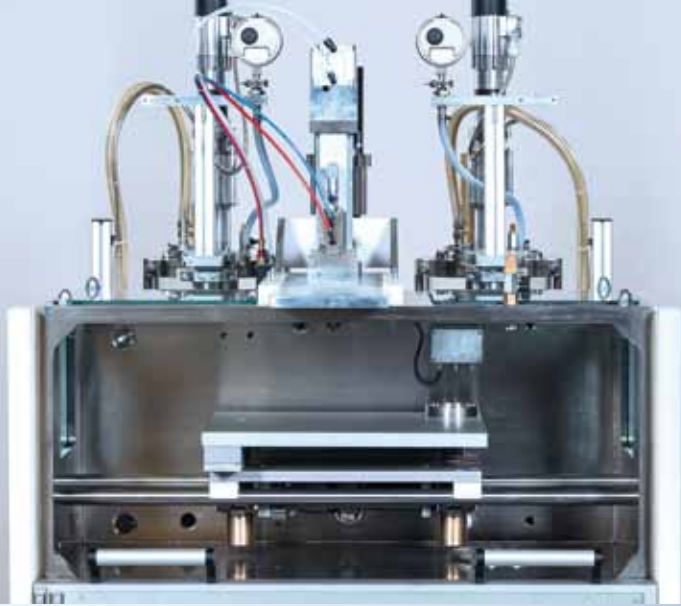


### Our Micro Casting Systems:

- **Accuracy:** Absolutely error-free casting of the smallest quantities; casting quality tolerance less than 0.01 g.
- **Flexibility:** Suitable for highly filled, abrasive casting resins under vacuum or atmosphere.
- **Control:** Patented dosing control unit for plant and process monitoring; glass cylinder design also allows direct observation of the preparation process.
- **Compatibility:** Modular design; cell construction makes it ideal for integration into existing production lines.

Our micro casting systems ensure that your production reliably meets the highest quality standards.

**The precision is in the detail.**



## Mixing and Dosing – Our Underlying Technology.

### The Hardware.

- Vacuum-tight mixing-dosing system with built-in dosing pumps.
- Special stirrer design; optimally aligned to the vessel geometry.
- Optional vessel heating.
- Piston dosing pumps with constant feed pressure.
  - Standard or Ceramic design.
  - Electronically controlled individual motor drive through the vessel cover.
  - Maintenance free 6-way vacuum seal with no contact to casting resin.
- Basic casting head or patented multi-dosing head system.
- Patented HÜBERS static mixer, proven in large-scale systems, motionless, flow-optimised and without dead space (cooling, heating or temperature controlled).  
Alternative: disposable mixer for highly reactive resin materials with a short pot life or dynamic mixer.
- Vacuum casting chamber for casting under vacuum, coordinate table for casting under atmosphere.
- Quickly exchangeable insertion modules for different casting resin materials.

### Optimal Processing.

- Consistently evacuated and uniformly prepared casting resin materials, regardless of their viscosity.
- Homogeneous, careful mixing.
- Manual or automatic continuous filling, regardless of the type and size of delivery container.

### The Right Mixing Ratio.

- Fully adjustable mixing ratio.
- Dosing from evacuated vessel for vacuum treatment or vacuum casting.
- Guaranteed compliance with the set mixing ratio.
  - Precise synchronisation of the dosing pumps.
  - Wear-resistant, maintenance-free and no pressure loss – even with filled and abrasive casting resins.
- Patented dosing control for plant and process monitoring.



HÜBERS Verfahrenstechnik Maschinenbau GmbH  
Schlavenhorst 39 · 46395 Bocholt · Germany  
Phone: +49 2871 281-0 · Fax: +49 2871 281-1250  
E-mail: info@huebers.de · www.huebers.de