



The COMPACT Mixing and Dosing System from HÜBERS. The Expandable Solution for Small and Medium Batch Sizes.

Your Requirements:

Your business is electronic components in the field of epoxy, polyester, polyurethane or silicone casting. For production in small and medium batch sizes, you need machines with a modular construction and high dosing accuracy that guarantees a perfect product.

Our COMPACT Mixing and Dosing System:

- **Performance:** Optional double piston pumps for the mixing-dosing system.
- **Availability:** Continuous, uninterrupted casting under atmosphere or vacuum; continuous filling enables 3-shift operation.
- **Flexibility:** Unfilled, filled and abrasive casting resin systems can be processed.
- **Control:** Patented dosing control system for plant and process monitoring.
- **Independence:** Space-saving, modular design, flexible – can be moved to manufacturing cells.

Our COMPACT mixing and dosing system gives you the right technology for your needs. And unlike low-price solutions, COMPACT is not a „dead-end“ investment, but easily convertible to new products and processes.

compact

Efficiency with perspective.



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, patented multi-dosing head system or flexible casting gun.
- 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.