



PREMIUM DENSITY MODEL M

THE LABORATORY SYSTEM

The DIMENSIONICS DENSITY M supports your production and is designed for smaller quantities with up to 4 measurement samples per cycle. With a cycle time of approx. 1 minute and high precision, it provides optimal insights into your process. Many comfort features as well as a swiveling HMI panel enable intuitive handling of the system.

The extensive functions provide a quick overview of the relevant characteristic values. The results are traceable to a state-certified density standard and are therefore ISO 9001-compliant. This makes the M series ideal for quality assurance through density determination. We are, of course, happy to help with any individual requests.

WHY THE SYSTEM BY DIMENSIONICS

Most cost-effective Quality assurance



Fast and precise inspection of your products. Can be integrated into any process.

Best Process control



Direct networking with your production systems via interface communication.

Highest level of Precision



The combination of high-end laboratory systems, state-of-the-art automation technology and the in-house algorithm enables accuracies of up to 0.003 g/cm^3 .

GET INTOUCHA



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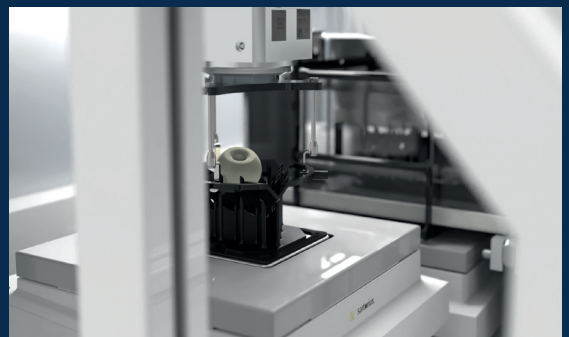


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The future of density determination

Dimensionics Density is an advanced automated density measurement system based on Archimedes' principle. This principle enables the precise determination of the material density by measuring the displacement volume of a liquid. This classic principle has been taken to a new level thanks to state-of-the-art technology.



THE ADDED VALUE OF THE DENSITY MODELS

- Determining densities, volumes, porosity, masses, etc.
- Density determination of green parts and water-drawing components
- Density determination of the smallest components (up to 1g)
- Non-destructive testing (NDT)
- Highest precision (up to 0.003 g/cm³)
- High clock speed
- Automated recording and processing of all environmental parameters
- Traceability of measurement results (certified density standard)
- Can be used directly in the production environment
- Parameterization of manufacturing systems through smart factory
- Determining the shrinkage of workpieces before sintering

Features

| | |
|---------------------------------------|---------------------------|
| Components per measurement | 4 |
| Cycle time for one measurement | ca. 60 sec. |
| Measuring accuracy | ± 0.003 g/cm ³ |
| Measure density < 1 g/cm ³ | limited |
| Measurement of complex comp. | Yes |
| Number of integrated scales | 2 |
| Creating measurement recipes | Yes |
| Automation options | No |
| Dust protection class IP6X | Yes |
| Modular software packages | limited |
| Calibration standard | Yes |