



# SMARTQCC: QUALITY CONTROL CENTER FOR PERFECT CALIBRATION SAFETY

After production and calibration all volumetric glassware, such as pipettes and burettes, must undergo a quality check to assure calibration accuracy.

This difficult task is mostly performed manually, and is thus inherently risky. Only well-trained and experienced operators are able to do this job – and even the best would still face problems when testing small volumes.

The QCC is the first semi-automatic unit for quality checks. Smart QCC opens new horizons for Quality Control and guarantees easy and highly accurate testing of volumetric and graduated pipettes, burettes, etc. The unit is easy to handle and offers a smart operation user-interface.

The testing procedure has standardized steps, which are executed automatically. Glassware filling and camera adjustment are performed by fast and easy to use joy-stick technology. Meniscus locating shows an enhanced, live picture on the PC screen from a high resolution camera equipped with backlight. This enables the precise detection of each marking and meniscus throughout the working day. Our competence team at CeDeD comprises physicists, chemists and engineers with many years of experience in developing automatic volumetric calibration units. They constantly work to advance our systems. **For 100% product control!**

#### Your benefits:

- SmartQCC provides a high measuring and repeat accuracy up to 0.002 ml tolerance.
- System-integrated balance and direct print-out in single or batch certificates.
- SmartQCC is highly flexible and easy to handle.
- Low maintenance requirements and low costs due to the highly reliable architecture of the SmartQCC.

#### Technical Data of QCC

Volume range:	1 - 50 ml
Number of marks:	Freely selectable
Volumetric Pipettes	According DIN EN ISO 648:2008
Graduated Cylinders	According DIN EN ISO 835:2007
Burettes	According DIN EN ISO 385:2005
Performing testing speed	
Volumetric Pipettes	10 ml; 1.50 min/piece
Graduated Pipettes	
3 markings are inspected	10 ml; 3.00 min/piece
Burettes	25 ml; 4.00 min/piece