

CHECK-MASTER II

Order No.: C01-1122



The **CHECK-MASTER II** is an advanced measuring instrument for automatic measurement of all types of cells. Its main application is in situations where the highest accuracy and the ease of use are of great importance. Many additional accessories allow it to be used for final checking and goods inwards checking of rotogravure cylinders.

Unlike Dot-Check, the measurements are taken automatically. False measurements due to incorrect operation are hereby excluded.

The basis of this new measuring system is the world-wide known Check-Master microscope, which has been substantially modified and equipped with a digital camera having a high-performance image processor running under Windows 10 and a high-resolution monitor.

The user surface can be individually modified to ensure optimum ease of use for every application. Due to help facilities operating of the CHECK-MASTER II has still become more easy and comfortable in addition to the already existing possibilities offered by Dot Check and CHECKMASTER. The illumination of the microscope is adjusted fully automatically and operation is as usual, extremely simple. Only a PC mouse and keyboard are used to operate the instrument.

The use of a PC with Intel or AMD processor allows many other features to be provided such as storage of images and readings, connection of a laser or inkjet-printer, links to other programs and networking with other PC's.

Options:

- Colour camera
- Software for measurement of mechanical engraved cells
- Calibration plate
- Connection to Excel
- Laptop (instead of PC)

CHECK-MASTER II offers:

- Correct and quick automatic measurement of the longitudinal and transverse diagonals and channel in one operation.
- Precise automatic determination of the screen including longitudinal and lateral repeat (feed) and angle output.
- In addition, the cells can be measured manually by using the mouse.
- Exact output of the surface of a cell in μm^2 .
- Determination of the volume for electromechanical engraving in ml/m^2 .
- Adjustment of the measuring position by 15 mm in longitudinal and transverse directions.
- Several optical magnification/measuring ranges so that both coarse and fine screen sizes can be accurately measured.
- Selection of individual or multiple measurements.
- Possibility of digital switching to 2 x and 4 x image magnification, all measurement functions remaining active.
- Considerable simplification of the series measurement of up to 24 ribbons each with up to 15 tones in one operation.
- Automatic change of measuring range with on-screen display of selected objective.
- Measurement can be made in live mode or from stored images.
- Measurement results and images can be stored on the hard disk or CD-ROM.
- Interfaces for data communication and various types of printers.
- Program for calculation of screen rollers after entry of the known data.
- Entry of cylinder characteristic data.