



Alfred Eichler  
Colorimetry

# C-MIX COMP-W2

## THE REVIVAL OF OUR COMPUTER-AIDED WEIGHING SYSTEM



After several years interruption we, Coates Screen Inks GmbH, have decided to revive one of our successful products of the C-MIX COMP range.

### C-MIX COMP-W2

C-MIX COMP-W2, consisting of a computer terminal and a high precision electronic scale is suitable for use in any colour chamber as the ATEX2 PC system is explosion proof. Supplemented with the optional industrial keyboard and label printer we offer a complete package for controlled weighing of mixing formulation in zoned areas (EX Zone 2).

CNS Computer Network System-engineering GmbH is our competent and dependable partner, responsible for a smooth interaction of the individual elements of **C-MIX COMP-W2**.

**C-MIX COMP-W2** consists of the following components:

- Industry-PC **ProTint Mini**
- Sartorius Scale **PMA Evolution** (7,5 kg) and
- **ALWIN II Management** Software

The centerpiece is the industrial computer PC **ProTint Mini**. This is a system with a 17-inch capacitive touch screen. The latest Pentium processor ensures a fast processing with low power consumption. Due to complete passive cooling, the system is silent and maintenance-free.

The **ProTint Mini** uses many components from mobile devices. The energy-saving technologies of the components used generate little heat, which means that the **Pro-Tint Mini** does not need ventilation. **The ProTint Mini** can also

be run via touchscreen without mouse and keyboard. A virtual keyboard can be used to make inputs on the screen.

Alternatively, we also offer a CNS industrial keyboard with touchpad as supplement. Dirt can easily be removed from the protected surface. There are no restrictions about zone 2 protection.

We also offer a few practical supplements, such as a wall mount and an adjustable pedestal to adjust position of the **ProTint Mini**. The package can be completed with a keyboard tray, either below or above.

With the optional **label printer SLP 620** (in a zone 2 protective housing), the mixed special colours can be labelled immediately, either with

the product name of your choice or even with the complete mixing formulation.

For correct weighing of mixing formulations, a precision scale is needed. In **C-MIX COMP-W2** we offer the **PMA Evolution** of Sartorius with a weighing capacity of 7.5 kilos. The scale is equipped with a flat, solvent resistant glass display, an easy-to-clean stainless steel scale pan and protective caps for display, stative and scale pans to avoid ink stains.

Only one USB cable is needed because of the "single-cable solution" for power supply and data transmission. **PMA-Evolution** can be used as a "stand-alone device" with an integrated mixing module. This includes various internal applications, such as a recalculation function in case of an overdose of a component and factor calculation to adapt the recipe to any container size.

The accuracy of the scale of 0.1 g can be changed manually to a readability of 0.05 g within a weighing range of up to 999.95 grams. Taring allows you to use the fine range of the scale to its maximum capacity.

A suitable software is required so that the ProTint Mini and PMA evolution form a functional unit. For **C-MIX COMP-W2** this is the software **ALWIN II Management**. ALWIN is a convenient and fast formulation search program with an integrated weighing module. There are two data bases for mixing formulations.

Approximately 10.000 starting formulations for Pantone and RAL in various versions, based on our C-MIX 2000 base colours.

When searching for a formulation you have plenty of possibilities to look for the required recipe. Once you have found the required colour shade, you determine the amount needed. Based on the basic formulation the program now will calculate the share of each component; this will be shown on the display.

With the module "customer-specific formulations" you can create your own formulations based on the components of the ink manufacturer and mix them accordingly. Wrong mixing is almost impossible due to the integrated correction calculation. Just push the correct button and the program will calculate your formulation.

Access to the software and the colour mixing computer is defined by user administration. All mixing operations on the colour mixing computer are recorded. This allows you to keep track of what has been mixed and when.

Quickly create a list of all mixtures within a specific period or create a list of all mixtures for a specific customer.

There are also options for stock management, using up residual inks as well as price calculation. Whether you want an automatic formulation printout or your own formulations, the program will be of assistance.

## TECHNICAL DATA

### ProTint Mini

- All-In-One complete solution
- Intel Pentium J5040 up to 3,2 GHz
- Quad-Core
- 1x Processor
- Ultra Low Voltage
- 4 MB Cache
- 8 GB / DDR4 SDRAM
- SSD 256 GB
- 1600 x 900 (HD+) LED monitor inclusive 10-Pinkt-Multi-Touch
- Ethernet, Fast Ethernet, Gigabit Ethernet, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, Bluetooth 4.1
- 4x USB 2.0, 1x LAN (Gigabit Ethernet), 2x USB 3.0
- Power supply 120/230 V (50/60 Hz)
- 10-90 % permissible humidity, max. 40° C operating temperature
- 370x220x300 mm (WxHxD)
- 7.5 kg net weight

### Sartorius PMA-Evolution

- Weighing range 7500 g
- Accuracy 0.1 g
- Adjusting balance (subtractive) -7500 g
- Permissible operating temperature 5 - max. 40° C (41 - max. 104° F)
- External adjustment weight 1, 2, 5 kg (class F2 or better)
- Housing (W + D + H) 233 + 321 + 341 mm
- Net weight approx. 2.4 kg
- Re-calculation (correction of overdosed quantities)
- Factor-based calculation (0.25 - 5.0)
- Independent Formulation Processing (absolute, additive)
- Dual-range scale 0.05 g (up to 999.95 g)
- Hardware test and communication symbol

Are you interested in a practical demonstration or an offer?  
Please contact the colorimetry department in our company.

