InkWeigh

Quick, simple and complete ink management from the warehouse to the press room!

InkWeigh is a **complete solution** for ink management that allows you to **weigh the initial recipe** quickly, easily and accurately, in the ink kitchen or at the press side, and also allows **color corrections** thanks to a direct connection to the **ColorTrack** and formulation software database.

By adding the **optional modules Leftover and Traceability** InkWeigh **organizes and personalizes the ink warehouse ensuring full traceability of production batches**. Traceability is achieved both in the first weighing phase, with or without a mixing station, and in the color correction phase at press side through the integrated scale. InkWeigh also allows the **reduction of the leftovers warehouse by managing inventories thanks to the innovative solution that combines the mathematical calculation of returns and the colorimetric method.**

Using InkWeigh and the integrated scale, **ink weighing times are drastically reduced**, waste is avoided thanks to automatic recalculation of dosages in the event of an error, **resources are optimized** by scientifically using leftover inks and you gain **full traceability** of raw materials and production batches used.

Strenghts

Features & Benefits:

Simplify the workflow by weighing and correcting recipes in a guided and error-proof process
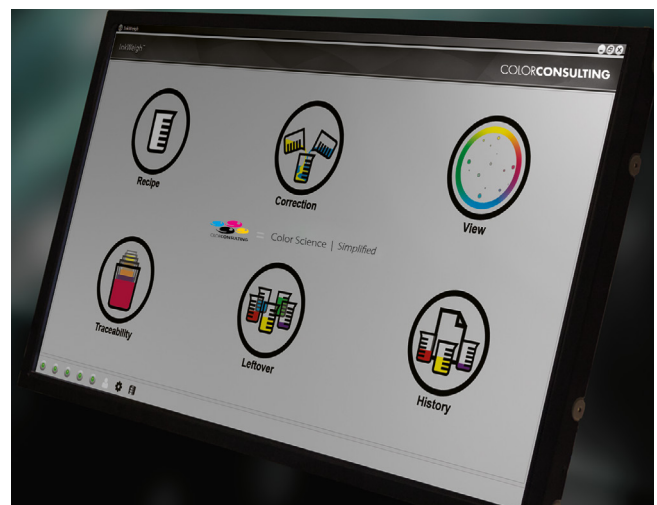
Reduces ink overproduction errors with dosing recalculation in the event of an error

Provides quick access to data and allows the **export of reports** such as: consumption per job, leftovers used in production, and warehouse inventory

Guarantees a **high return on investment** through savings on inks due to the ability to manage and **use leftovers** in formulation, thanks to the innovative solution that **combines the mathematical calculation of returns and the colorimetric method**. (Leftover Module)

It keeps track of production batches of ink and all the materials used during the printing process (colorants, solvents, additives, etc.) for **full traceability to protect consumer safety**, particularly in the food, pharmaceutical and similar sectors. (Traceability Module)

Software Module:

InkWeigh*

InkWeigh displays the recipes of the formulation software through a direct sharing of the database and allows searching both by name and by similar color, it simplifies the weighing of components using the "**Weigh Progress Bar**". The View module, included, graphically shows all the recipes saved within the CIELAB color space (L*a*b*). InkWeigh **receives corrections directly from ColorTrack or formulation software** and displays them via a notification on the main screen, it also stores the history of the weighings made, allowing searches based on criteria such as date, customer, components, recipe and cost of the recipe.

*This module is a prerequisite for the optional Leftover and Traceability modules.

Leftover Module

The Leftover module allows the correct management of the leftovers, tracing the returned inks and making them available to the **InkWeigh** system. It also enables, in addition to spectrophotometric search for similar colors to be used in the machine, the new SMART function of grouping leftovers, which is useful for reducing the space occupied in storage and optimizing leftover consumption. **Leftovers can be used in place of new inks**, where appropriate, **reducing the cost of the recipe**, the quantity of inventories and the need for storage space. The module uses a **unique technology** on the market that **combines the mathematical calculation of machine returns with the colorimetric method.**

Traceability Module

The Traceability module allows the **loading of incoming materials by specifying the production batches and keeps track of them**, prohibiting their use unless the origin is specified. In combination with the leftover module, it allows infinite traceability of leftovers, even when grouped together, or when loaded into a dosing system. The module allows, given a bacth of a product, to identify all productions in which it has been used, all warehouse locations, and the lefotvers containing it. This module also allows the management of external dosing systems.

Hardware components that can be integrated:

InkWeigh Scale 36000 available in a standard or ATEX zone 2 version, the InkWeigh Scale 36000 allows precise measurements up to 36 kg and measures in 0.1 gram increments.

InkWeigh Scale 7500 DR (non-ATEX) provides accurate measurements in 0.01 gram increments from 0g to 950g, and 0.1g from 950g to 7.5kg.

InkWeigh Station Support structure for weighing at the press side. Constructed of press-formed and welded sheet metal, reversible hinges with a 110° opening and double-tab locks. Thermosetting epoxy-polyester powders in RAL 7035 textured finish. Keyboard and mouse included.

Requirements/Specifications:

24 "monitor with 1920 x 1080 resolution (with holes for VESA support when combined with InkWeigh Station)
Core 2 Duo, 2GHZ, 8 GB RAM & 2 GB of free space on the hard-disk (additional disk space is required on the database server, depending on usage)
Windows 10, 32-bit o 64-bit, .NET 4.5
8 USB or HUB, Network Connection

Compatibility with mixing station:

Betz, Dromont Misura (bidirectional), Dromont Retail (bidirectional), FM ColorPro, GFI Innovations, GSE win, INKMAKER, INOVEX, Rexson, SANTINT, SPEC, SWESA SMARTMaster.

Compatibility with Scales:

Mettler, Sartorius, ask your dealer for specific model information.

Supported instruments

X-rite eXact 1 & 2