

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

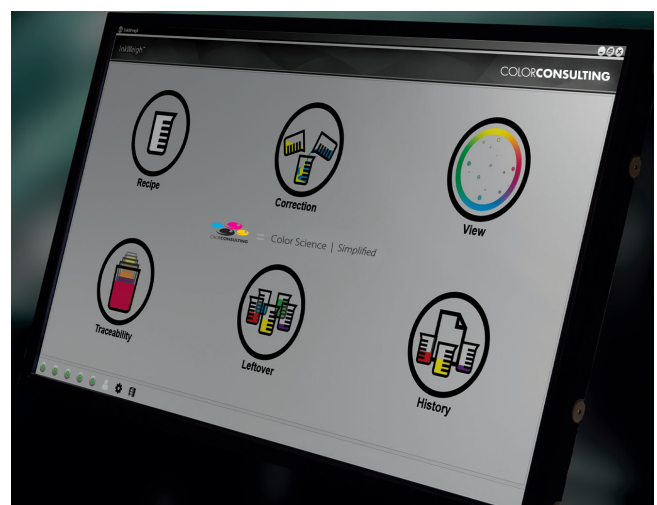
Reduces ink overproduction errors with dosing recalculation in the event of an error

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 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. **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. 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.

Supported instruments x-rite exact



Requirements/Specifications:

24 "monitor with 1920 x 1080 resolution (with holes for VESA support when combined with InkWeigh Station)

Core 2 Duo, 2GHZ

4 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 or 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, IN-KMAKER, INOVEX, Rexson, SANTINT, SPEC, SWESA SMARTMaster.

Compatibility with Scales:

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