



SMART SOLUTIONS
FOR A COLORFUL WORLD

ColorWorkDesk is the URAI product line capable of improving the performance of quality control and color formulation thanks to modular software and innovative tools.

about us

The company URAI S.p.a has started the distribution in Italy of the proprietary software called ColorWorkDesk®, the brand that distinguishes the new line of products in the field of applied colorimetry.

Developed thanks to a continuous dialogue with our customers, this tool offers advanced solutions for quality control, formulation and color correction.

Urai's decades of experience and all the know-how acquired have made the ColorWorkDesk® software a powerful and intuitive system to guarantee precision and reliability in color management throughout the entire production process that companies can count on.

ColorWorkDesk's goals

- Redesign the colorimetric software with our experience in the field, offering flexible and customizable solutions.
- Simplify work, reducing routine operations and adapting the software to the specific indications of users.
- Group all operational needs into modules, maintaining direct contact with the software users.
- Create an intuitive user interface, which allows rapid retrieval of information.
- Develop modern, precise and efficient calculation algorithms in all operating conditions.
- Offer multilingual software, with translation tools to satisfy every linguistic need.



CWD SOFTWARE BY APPLICATION SECTOR

CWD 2 ColorWorkDesk QC

Universal
quality
control software



PAINTS

- **CWD 2 FORMULA FULL PAINT**
Complete Color Matching software for paints
- **CWD 2 FORMULA BASE PAINT**
Workstation for basic paint formulations
- **CWD 2 FORMULA FULL PAINT PRODUCT LINE**
Complete Color Matching with Product Line management
- **CWD 2 FORMULA BASE PAINT PRODUCT LINE**
Workstation with Product Line management



PLASTICS

- **CWD 2 FORMULA FULL PLASTIC**
Complete Color Matching software for plastics
- **CWD 2 FORMULA BASE PLASTIC**
Workstation for managing plastic formulations



TEXTILE AND LEATHER

- **CWD 2 TEXTILE DYE**
Textile coloring formulation
- **CWD 2 LEATHER DYE**
Leather coloring formulation
- **CWD 2 LEATHER FINISH**
Leather final treatment formulation
- **CWD 2 LEATHER DYE & FINISH**
Leather coloring and finishing



INKS

- **CWD 2 FORMULA FULL INK**
Complete Color Matching software for inks
- **CWD 2 FORMULA BASE INK**
Workstation for basic ink formulation
- **CWD 2 FORMULA BASE INK PRODUCTION**
Software for ink production

The ColorWorkDesk software simplifies your work and optimizes its timing through a fast and intuitive interface.

The Advanced Structure and Features of ColorWorkDesk®

ColorWorkDesk® is the advanced colorimetric software of URAI S.p.a., designed to offer a powerful, intuitive and completely customizable experience for different sectors: Textiles, Inks, Paints and Plastics. The structure of the software is divided into several main components, which guarantee flexibility, ease of maintenance and rapid implementation of the modules.

1. Intuitive and Customizable Graphic Interface.

The ColorWorkDesk® interface has been completely renewed, with a modern and functional design that allows total customization. Thanks to the new structure, it is possible to easily separate the program windows on multiple monitors, thus optimizing the workflow. Navigation is simple and immediate, with a Navigator that allows you to easily manage color charts, formulas and standards, improving operational efficiency.

2. Database. The database remains based on the proven Microsoft SQL, which ensures data integrity during all insertion, modification and deletion operations. It supports both local and network configurations (Local DB and SQL Service), and is compatible with the free SQL Express version, for easy and scalable data management.

3. Advanced Calculation Library. The ColorWorkDesk® Calculation Library continues to represent the technological heart of the software, with algorithms developed internally by URAI S.p.a. for the calculation of formulations. It has been enriched with new libraries for the calculation of semi-opaque and transparent products, in addition to the existing functions for total and partial coverage products. These algorithms use Reflectance, Tristimulus, Lab and Lch values to perform color-matching operations with high precision.

4. Formula Collection Management. One of the most important innovations of ColorWorkDesk® is the Formula Collection, designed to optimize the

management of the distribution of formulations to end customers. This module allows easy organization and traceability of formulas, ensuring that each formulation is used correctly during production and sales.

5. Inventory Funds Recovery Module. The management of inventory funds/recoveries has been improved to avoid waste of raw materials and reduce operating costs. The new module allows you to optimize the use of remaining funds and reuse them in new formulations, reducing waste and maximizing production efficiency.

6. No interference. Thanks to the management by TAB, you can work without interruptions, keeping the workflow always active and without having to stop to load new data or switch from one module to another. This feature is particularly useful in dynamic production environments, where time is a critical factor.

7. Customer Master Data. ColorWorkDesk® includes a convenient customer master data that allows you to manage all customer information, optimizing communications and support. Each customer can be easily tracked and managed, with quick access to crucial data such as order history, preferences and information on formulas.

8. Spectrophotometer Driver Library. The spectrophotometer driver library supports different spectrophotometer and colorimeter models, and thanks to its modular structure, it allows to quickly integrate new devices without compromising compatibility or operating modes.

9. Software Protection and Licenses. ColorWorkDesk® offers software protection via USB Sentinel Key, which guarantees the activation of features based on the license purchased. You can easily upgrade or downgrade the license without modifying the installation, offering flexibility in the use of the software.

THE SOFTWARE THAT MAKES COLOR MANAGEMENT SIMPLE AND SMARTER

Distribute formulas, know-how and technical documentation quickly and efficiently, improving productivity and customer service.

ColorWorkDesk presents the new FORMULA COLLECTION, the ideal solution for your tinting system. The CWD Formula Collection is a new generation formula book designed to ensure total control over formulations and color cards. Designed for large manufacturers who want to distribute formulas, know-how and technical documentation to their distributors, stores and retailers in real time, as well as for smaller businesses who want to take a step forward with a software tailored to them.

It offers a fully editable interface and an intuitive experience for quick and efficient consultation, allowing professionals in the sector to optimize their work and guarantee impeccable customer service.

Thanks to its flexibility, the software is designed both for server management with real-time distribution of formulas, color charts, TDS and SDS, and for standalone use, ensured by Sentinel LDK technology for maximum security and reliability.

CWD FORMULA COLLECTION

With search function

The basic version, perfect for those looking for efficient formula management and an advanced search system.

- **“Search” function:** search for the most similar color in the database via spectrophotometer. A rapid system that optimizes processing times and reduces errors.

Ideal for those who need effective support in selecting colors directly in the store.

CWD FORMULA COLLECTION SC

With search & correct function

Intermediate version with advanced color correction features.

- **“Search&Correct” function:** allows you to find the most similar color and reformulate it to create sample colors. Advanced correction significantly expands the possibilities for reproducing customized colors even in the absence of a predefined formula.

Perfect for warehouses and large stores that require dynamic and flexible management of sample color formulation.

CWD FORMULA COLLECTION TOP

With formulative

The complete version, with all the features of the previous versions plus the formulation from scratch.

- **Free formulation function:** possibility of creating a color from scratch. Formulate and correct in free quantity or with the product line.

The definitive solution for those who want maximum control and full autonomy in color formulation.

CWD SOFTWARE BY APPLICATION SECTOR



CWD 2 APP

The mobile application for Android and iOS is designed to read colors via spectrophotometer and offer fast and precise quality control (QC). The app offers the possibility to search and find similar colors, create customized color cards and store sample tints. The app can interface with the Formula Collection system.



SECURE API SERVER FOR DATA MANAGEMENT

Our server is an advanced API-based solution, designed to ensure secure and dynamic access to information. The interface uses encrypted HTTP calls in JSON format, ensuring maximum data protection during transmission.

Access is regulated via an identification code dynamically generated from the user credentials (username and password), offering an additional level of security.

Key features include:

- **Advanced license management** – Ability to customize permissions based on the industry you belong to..
- **Timed demo** – Activation of temporary licenses for evaluating services.
- **Security and reliability** – Data is always protected thanks to advanced encryption.

A versatile and secure system, ideal for companies that need a robust and flexible infrastructure for information management.

OUR PRODUCTS

SPECTROPHOTOMETERS

BSF series CWD benchtop spectrophotometers

BSF 100 / BSF 200 / BSF 300

CWD BSF series spectrophotometers represent innovation in color measurement. Thanks to XENON + LED technology and integrated Quality Control software, they ensure precision on any type of material.

Rotatable touch screen, built-in camera, and maximum reliability over time!



HSF series portable CWD spectrophotometers

HSF 100 / HSF 200 / HSF 300

CWD HSF series portable spectrophotometers combine XENON+LED technology with integrated software for precise color control. Compact and ergonomic, they feature a 3.5" touch screen, built-in camera, and USB connectivity.

Perfect for quality testing and color formulation, wherever you are!



MSF 300 mini CWD spectrophotometer

The CWD MSF 300 mini spectrophotometer is the compact and innovative solution for color measurement. With LED+UV technology, it connects via Bluetooth to a smartphone app and via USB to a PC.

Easy to carry, it offers automatic calibration and 3 measurement areas for maximum versatility!



COURSES

URAI offers a complete program of colorimetry courses for laboratory technicians and operators in the sector, with different levels of difficulty. The courses combine theory and practice, using advanced electronic and optical instruments, to ensure in-depth and concrete training. The courses are held at our headquarters twice a year and are aimed at everyone. In addition, we organize individual or group courses, also at the operational headquarters of our partners, to meet the specific needs of each participant. If you are an experienced operator, our internal theoretical courses offer a unique opportunity to further delve into colorimetry.

The courses are also an opportunity to interact with professionals from different realities, share ideas and exchange experiences. An ideal opportunity to enrich your knowledge in a stimulating environment. Upon request, we organize customized courses to meet the specific needs of each customer.

A complete training program

BASIC COURSE

COLOR MEASUREMENT

This day is dedicated to the in-depth study of color theory, an essential foundation for those starting the path of approaching colorimetry.

INTERMEDIATE COURSE

QUALITY CONTROL AND COLOR CORRECTION

A day that combines theory and practice, focusing on Quality Control in colorimetry and color correction methods to optimize results and daily applications.

ADVANCED COURSE

INSTRUMENTAL COLOR CONSTRUCTION

This course is designed for those who already have good experience in the sector and want to update themselves on the management of color formulation through the advanced use of Color Matching software. Intended for professionals in the Plastics, Paints and Textile/leather sectors.

SERVICE AND APPLICATION SUPPORT

Consulting, assistance and training:

URAI guarantees a range of services useful for simplifying your everyday work.

The installation and support of ColorWorkDesk® are taken care of by URAI S.p.a technicians/salespeople who offer their skills for the start-up and training of the colorimetric system in companies.



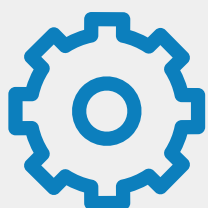
SOFTWARE ASSISTANCE

Subsequently, you will be accompanied in the discovery of the software with a personalized training in terms of days and technical level. Customer care and support are the prerogative of the ColorWorkDesk team, constant assistance and availability are the key words.



COMMERCIAL AND APPLICATION CONSULTING

The valuable advice of our experts will help you choose the work modules necessary for the needs of your company. CWD software and hardware are designed to satisfy all production areas by offering you the best solution on the market and are all customizable.



HARDWARE ASSISTANCE

You can also take advantage of URAI support for the repair and maintenance of your spectrophotometers. We offer two maintenance packages to guarantee you tested and high-performance instruments. Your spectrum is in excellent hands and will be checked in our service department without leaving Italy.

TECHNICAL TABLES



PAINT

	CWD 2 FORMULA BASE PAINT	CWD 2 FORMULA BASE PAINT PRODUCT LINE	CWD 2 FORMULA FULL PAINT	CWD 2 FORMULA FULL PAINT PRODUCT LINE
Quality Control	✓	✓	✓	✓
Colorant File Creation	-	-	✓	✓
Laboratory Formulation / Correction	✓	✓	✓	✓
Product Line Formulation / Correction	-	✓	-	✓
Recycling module	✓	✓	✓	✓
Search&Correct	✓	✓	✓	✓
Navigator	✓	✓	✓	✓
Management System	✓	✓	✓	✓



PLASTIC

	CWD 2 FORMULA BASE FULL PLASTIC	CWD 2 FORMULA FULL PLASTIC
Quality Control	✓	✓
Colorant File Creation	-	✓
Formulation / Correction	✓	✓
Recycling module	✓	✓
Search&Correct	✓	✓
Navigator	✓	✓
Management System	✓	✓

TECHNICAL TABLES



INK

	CWD 2 FORMULA BASE INK PRODUCTION	CWD 2 FORMULA BASE INK	CWD 2 FORMULA FULL INK
Quality Control	✓	✓	✓
Colorant File Creation	-	-	✓
Formulation / Correction	✓	✓	✓
Recycling module	-	✓	✓
Search&Correct	-	✓	✓
Navigator	✓	✓	✓
Management System	✓	✓	✓
Production Module	✓	✓	✓



TEXTILE - LEATHER

	CWD 2 TEXTILE DYE	CWD 2 LEATHER DYE	CWD 2 LEATHER FINISH	CWD 2 LEATHER DYE & FINISH
Quality Control	✓	✓	✓	✓
Leather Dyeing / Correction DRUM 1K	-	✓	-	✓
Leather Dyeing FINISHING 2K	-	-	✓	✓
Textile Formulation / Correction 1K	✓	-	-	✓
Recycling module	-	-	✓	✓
Search&Correct	✓	✓	✓	✓
Navigator	✓	✓	✓	✓
Management System	✓	✓	✓	✓



ColorWorkDesk is a project

URAI®

Innovative products for the color industry since **1948**