Total control at your fingertips!
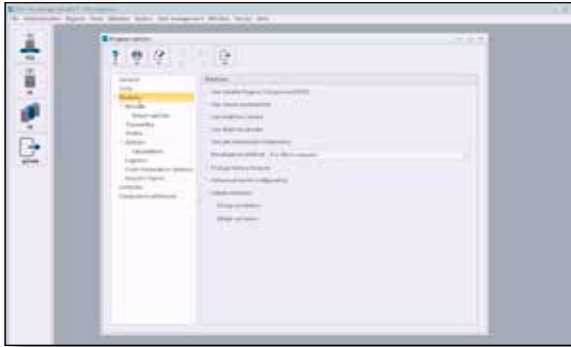
GSE *Ink manager*

GSE Ink manager
total control at your fingertips

Since 1980, GSE has been supplying ink dispensing systems equipped with ink management software. Today, over 1,200 printers enjoy the advantages of automatic dispensing of water-based, solvent-based or UV-curable inks. With the all-new Ink manager platform, GSE meets the needs for more functionality from users, ink suppliers and other value chain partners.

Resulting from years of development and intensive collaboration with different market players, GSE Ink manager is fully tailored to the needs of modern printing houses. In developing the software, a process approach has been kept in mind. All relevant workflow steps relating to ink logistics are supported, such as ink dispensing, processing press-return inks and colour corrections. GSE Ink manager provides a total solution for managing all ink-related information, far exceeding just the machine control of the dispensing system.

The GSE Ink manager software

Modular architecture, modern user interface

The modular software design combines the advantages of standardisation with those of customisation. Extensions with additional modules after initial installation are simple to make. Thanks to the fresh, intuitive Windows interface, the software is easy to learn and work with. You can sort, hide, drag and drop columns and save any lay-out you have designed. The software also includes extensive search, reporting and connectivity functions.

Helping you to face your business challenges

With today's fast digitisation of business processes, the question is not *if* you automate your ink logistics, but *how*. Reducing waste in your workflow is the key to reducing costs and increasing profitability. The right software can help you to implement these Lean and smart business practices. GSE Ink manager offers intelligent solutions that give you the edge when facing your current challenges.

Making your own inks:

The software and dispensing system enable instant availability of exact colours in precise quantities for the job, made from base components. This reduces ink costs by as much as 30 per cent: there is no need to purchase ready-mixed colours, or excess amounts "just-in-case". Ordering base components less frequently saves transport, warehousing and administration costs.
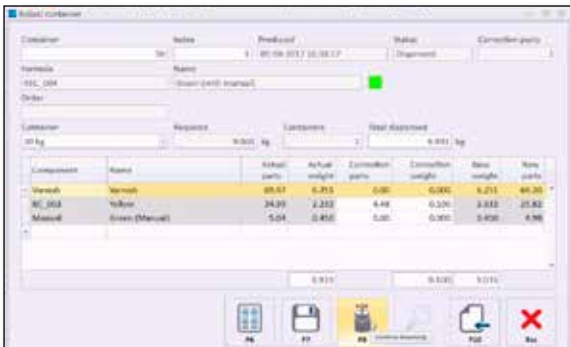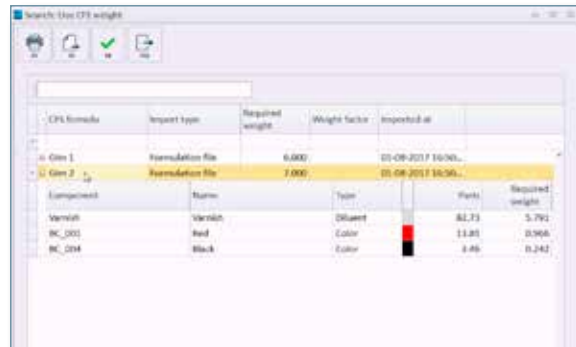

Reusing return inks:

Ink manager enables press-return ink reuse in various ways, by processing individual containers or by producing 'clusters' – where return inks with similar colour or base components are combined into a single base colour, which is then connected to the ink dispenser.

Supply chain management:

Ink manager provides real-time stock level information. It makes adjustments each time stocks are fed to the dispenser, and helps to generate a purchase list for base colours when they fall below specified minimum volumes.

New colours:

New formulas created with colour formulation software are sent directly to Ink manager. Sampling can be done with formulas or by component dispensing (without a formula).
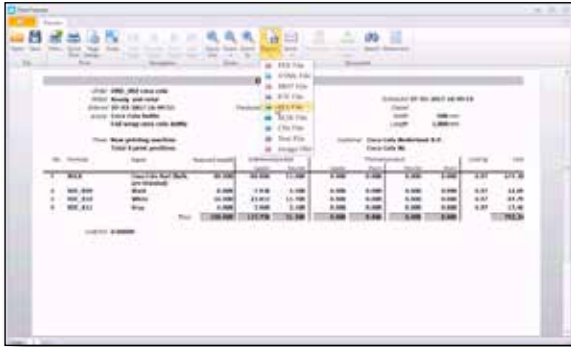

Colour corrections:

Colour adjustments after dispensing can be needed because of substrate or anilox roll inconsistencies. Both temporary corrections to the container or permanent changes to the formula can be made – either manually, or with the help of colour formulation software. This enables the right colours to be reordered, and return containers with corrections to be reused properly.

Traceability:

The software provides instant access to information about the quality and quantity of the ingredients for any job and, conversely, which orders were produced with any specific batch of ink. Reporting facilities enable batch traceability, together with expiry date and press-return containers used.

Management reporting:

Comprehensive reports are provided, based on reliable sources, on-demand, so sound decisions can be taken. They can be viewed and exported. Pre-defined reports are available for returns, orders, formulas and traceability.

Workflow management:

The introduction of the job list enables the division of work preparation and ink production.

Cost control:

Accurate ink volume requirements per job are available with an algorithm that takes into account coverage levels and substrate type, to make precise predictions. Ink consumption cost per order, including the subtraction of press-return inks, can be reported.

Software integration:

With web-based functionality and mobile app technology, our software offers seamless integration with other applications, like ink formulation, management information and cloud software.

Support

By contacting our customer support centre, you will get direct access to the assistance you need. All software users, who subscribe to a support contract, benefit from free helpdesk support and software updates as soon as they become available.

GSE Ink manager

GSE INK MANAGER BASIC FUNCTIONALITY

User interface:
- Interactive dispensing
- Sort and hide columns: design and save your own layout
- Job list with search, group and editing possibilities
- Extensive grid functions (including filter and sum rows, search box and select all functionality)

Components:
- Component information with expiry date and customized references
- Macro components
- Component conversion

Formulas:
- Formula information with customised references, change history and "inactive" mark
- Formula import / export
- Additive / Anilox correction
- Special formula types: bulk, direct

New colours and colour adjustments:
- Sampling new colours with formula or component dispensing
- One-time container correction, update formula or create new formula

Dispensing and logistics:
- Check and display of base component availability
- Dispensing priority
- Split dispensing
- Special dispense types: external, stock
- Park container
- Quick start container with barcode
- Machine stock (including real-time visualisation)
- Fill / exchange barrels

Grids and reports (with export possibilities):
- Dispense history list
- Event history list
- Background events list
- Usage and stock lists and reports
- Performance list
- Component changes list

- VOC report
- Label editor

Configuration:
- Machine-Line-Station
- Customisable "references" for many database objects
- Multiple container and lid configurations (sizes and weights)
- Circulation pause schedule / parallel circulation / possibility to disable circulation by hardware
- Advanced password protection and log-out timer
- User management with user groups
- Database back-up with generations (max 10)
- Simultaneous computer operation on same database

OPTIONAL MODULES

- GSE Return ink management (reusing press return inks by container or cluster)
- GSE Order management (planning, processing and tracking of orders)
- GSE Traceability (tracing of base component batches in dispensed printing ink)
- GSE Article management (calculating and managing ink volume requirements per print design)
- GSE Advanced logistics (planning, purchasing and booking in base components delivered by your ink supplier)
- GSE Advanced reporting (real-time information from the dispensing system, remotely accessible)
- GSE Hazard symbol printing (printing hazard symbols on dispense labels)
- GSE Colour connect (integration with a colour formulation system)
- GSE MIS connect (integration with an ERP/MIS system)

GSE Dispensing

GSE delivers robust, fast and smart dispensing equipment, software and services to minimize ink-related wastes in the printing workflow. The company is based in the Netherlands.

With more than 45 years of experience in the graphics, textile and coating industry, we have an installed base of more than 2,100 automatic dispensers and software packages at factories in 90 countries. We are supported by a global network of sales, service and supply chain partners.

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