



Become the perfect match
for your customer's needs

GSE *Dispensing*

Do your ink room a favour



When it comes to user-friendly design and quality in equipping your ink room, do not make any compromises. Rely on the equipment that gives you the best in state-of-the-art technology: the Colorsat Match. The Colorsat Match sets the new standard in dispensing for users of relatively low ink volumes. It is specifically designed for dispensing production batches of UV-curing and water-based printing ink into 5-litre (~ 1 Gallons) buckets. The advantages are huge:

- spot on colour accuracy
- ergonomic design features
- easy self-installation
- simple operation
- flexible arrangement of system and optional storage drums
- low maintenance

Easy installation

Thanks to its unique 'plug and play' concept, Colorsat Match is simple to assemble - without help from a GSE technician. Filling and connecting the base inks takes minimum time. The software's set-up

wizard guides the operator, step-by-step, through the configuration process. Using the tools supplied, the system can be operational within a day.

Simple to operate and maintain

Standard feature includes an innovative integrated design of a storage tank for base inks and an air-driven diaphragm pump with a circulation unit. The removable plane table on the top of the system allows plenty of working space as well as easy access to key components for maintenance.

The internal storage tanks are easy to manoeuvre and refill, while their layout gives a space-saving small footprint. The system can be extended with up to twenty components (using internal tanks and/or external connections for buckets or drums). The external connections for high volume components include diaphragm pumps and a modular hose-rack stand for in-line and wall-layout options.

With only a sliding weighing scale as a moving part, Match is very easy to maintain. The scale allows easy positioning, filling and removing of the buckets, at an ergonomically designed working height.





Internal storage tank

Advanced user friendly software

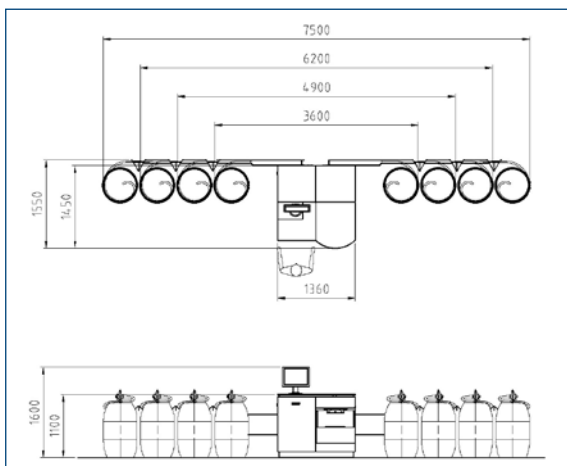
With its proprietary Windows XP™-based Ink Management Software (IMS), Colorsat Match makes precise formulations. With IMS, the printer can deliver the most challenging of colours to brand owners' exacting specifications, and at extremely competitive speeds. Typically, a 5 kg (11 lbs) recipe formed out of four components is dispensed in less than four minutes.

Furthermore, the software calculates wherever possible, surplus ink formulations from previous jobs ('press-returns') into new recipes – a complex task when recipes are prepared manually. It also saves the need to manually update ink return-stocks. An upgrade to the IMS Premium package offers extra benefits such as improved order and stock management features.

An additional feature is a built-in diagnostics programme, allowing GSE's help-desk to quickly analyse the system's database and overall machine status.

Specification

The Colorsat Match is designed for dispensing production batches of up to 10 kg (~22 lbs) of UV-curing and water-based inks.



Colorsat Match example lay-out

General technical data

- Max 20 ink components
- Air-driven diaphragm pump with circulation units
- Ten internal storage tanks with a 20-litre (~ 5 Gallons) capacity, a further two with a 40-litre (~ 10 Gallons) capacity
- 15 kg (~ 33 lbs) scale with 1 gram (0.002 lbs) readability
- Scale slide unit for easily adding return inks and manual components
- Stainless steel 316 dispensing valves
- Automatic valve cleaning
- TFT colour screen, PC, keyboard and mouse
- Inkjet printer
- Connection for remote access
- IMS ink management software

General specifications

- Viscosity: up to 2500 mPas (2500 cP)
- Dispense accuracy: ± 1 gram (0.002 lbs)
- Dispensing speed: 3-4 minutes for a recipe of 5 kg (~11 lbs) with 4 components

Options

The Colorsat Match can be adapted with several general options:

- Low volume component (internal 20 litres / 5 Gallons tank)
- High volume component (external connection for storage buckets or drums)
- Spare parts
- Dispense accuracy of ± 0.1 gram (0,0002 lbs)
- Turn table to dispense in small openings (e.g. jugs)
- IMS Premium package
- IMS Logistics
- Barcode package (barcode scanner and thermal printer)
- Connection with a colour formulation system
- UPS (Uninterruptible Power Supply)
- ERP connection
- Installation by a GSE Dispensing engineer
- Remote support contract
- Support and maintenance contract

GSE Dispensing

GSE Dispensing is the world leader of gravimetric dispensing solutions for the graphics, textile and coating markets. With more than 35 years experience in the industry, the company has an installed base of 1400 systems worldwide.

GSE Dispensing has a team of highly trained technical staff, backed up by a global network of service representatives and distribution agencies on six continents.

The company is based in the Netherlands, with its subsidiary GSE Dispensing Inc. in Charlotte (NC), U.S.A.

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