

GSI Colorize™ CMYK+W

Key advantages



Instant branding

On-demand printing integrates seamlessly into your packing line, enabling customized branding for every product.



Full-color brilliance

GSI printers offer up to 5 colors, including white, with high-quality, high-contrast printing at 300 m/min.



Increase up-time

No stops for changeover of ribbons/labels or refill of ink. Easy ink-refill during operation enables transition-free, infinity in-line printing.



Cost efficiency

GSI printers cut cost by minimizing pre-printed packaging variants, reduce inventory value, optimize warehouse space and reduce waste.



Multi-surface printing

Carton, cardboard, plastic, wood, foil, rubber, EPS, metal and many more - GSI printers handle it all. UV technology ensures smudge-free, high quality result with excellent adhesion.



Green commitment

Reduction of waste from supplier material and material waste in connection with changeovers. Improve recyclability of packaging material.



Official Distribution
Partner of GSI

Innovation in color on-demand

Colorize™ CMYK+W is a full-process color printing system with White, featuring SmartWHITE for vivid printing on transparent and dark objects. Our custom color software and SmartWHITE process offer a wide color scale for precise color matching. Print directly onto packaging in a single, high-speed pass, inline or nearline - GSI has the solution for your challenges.

Technical Specifications

Printer

Model:	Colorize™ CMYK+W
Print Resolution:	180 x 3600 DPI
Print Height:	108 mm. per head, option to stack
Print Speed:	Up to 304 m/min.
Print Distance:	Up to 25 mm.
Printhead:	3
Standard Colors:	Cyan, Magenta, Yellow, Black, White
Message Length:	No Limit
Print Orientation:	Side, Down
Printable Substrates:	Porous & Non-Porous
Font Types:	True Type Fonts (incl. multiple languages and unicode support)
Bar Codes:	EAN, Code 128, UCC/EAN 128, QR codes, GS1 DataMatrix, ITF, UPC, PDF-417 and more
Ink Tanks:	5 x 700 ml.
Refill Ink Bottles:	500 ml.
Dimension - Ink Unit:	H:410 x B:610 x D:220 mm.
Dimension - Print Head:	H:190 x B:210 x D:195 mm.
Dimension - UV Light:	H:190 x B:81 x D:150 mm.
Dimension - Stand:	H:1340 x B:600 x D:625 mm.
Weight:	31 kg

Printing Capabilities

Fixed, variable and merged text fields. flexible date/time formats, flexible shift code format, auto best before date calculations, counters, bar codes, graphics, drawing and link fields to databases.

User Interface

Controller:	Touch Screen, PC, Tablet, Smart Phone
Message Editor:	GSI Colorize.IT Nicelabel / Software Embedded, External (XML, JSON, ZPL)
Variable Data Fields:	Unlimited
Image Formats:	PNG, JPG, TIFF
Operating Safety:	User Level Management



Input/Output

Per Ink Systems: (5-Color)	2 USB Ports 2 Encoder Inputs 1 Trigger Input 4 Configurable Inputs 6 Configurable Outputs Alarm - Relay Output Ethernet TCP/IP
Power Supply:	110-240VAC, 50/60HZ, Typical 300W

Smart UV Light

Controlled by GSI print controller
Intelligent design turns on/off for image/label length
Low speed safety shut-off
Variable speed intensity

Communication

Internal Database:	Per Storage Capacity
Comm Protocol:	Ethernet TCP/IP
Remote Assist:	Yes

Options

Software:	Customization via App Library
Hardware:	Conveyor belt, Vision, UV lamp, Printer head bracket - adjustable, fixed or movable

Environment

Operating Temperature:	5 °C - 40 °C
Humidity:	90% Relative Humidity Non-Condensing