HD PRINTSAFE™

FIRST ALL-IN-ONE, DROP-ON-DEMAND PRINT AND INSPECT SOLUTION

PHARMA **MEDICAL DEVICES** **OTHER**

HD PrintSafe™ is a high-definition, high-speed, digital inkjet printing system combined with a 100% web print inspection solution.

Our HD PrintSafe™ solution is designed for a wide range of web dimensions and high-production speeds.

On one side is the HD Printer™, a fully integrated inkjet system, that works seamlessly with its PC-based print design software and touch screen controls to achieve an easy-to-use Variable Data Printing (VDP) workflow.

On the other side is a 100% web inspection (artwork and variable data) solution using Contact Image Sensor (CIS) inspection technology.

KEY FEATURES

- 600 DPI print resolution
- 100% drop-on-demand printer
- Contact Image Sensor (CIS) inspection technology
- Works on any type of web material
- Up to 1,000 blister packs/min
- 100% web inspection: artwork and variable data
- Web width from 100 mm to 650 mm
- OCV/OCR, barcode, 2D code, grading inspections
- Adjustable inspection frame sensitivity
- Serialization-ready, batch reports and audit trails
- 21 CFR Part 11 compliance

BENEFITS

- All-in-one print and inspect solution
- 2-min changeover time, no tools required
- Guaranteed quality print
- Low cost of ownership
- Can be integrated into any thermoforming or blistering machine
- Guaranteed print consistency
- Unique print designs with multicolor option
- Increased overall line OEE
- No more inventory needed

OPTEL™

Traceability technologies for a better world

HD PrintSafe™

SIZE

Print and Inspect Module	874.65 mm x 1,162.05 mm x 930.4 mm 34.44 in x 45.73 in x 36.63 in
Control Cabinets	675 mm x 1,320 mm x 675 mm 26.56 in x 51.98 in x 26.56 in

PERFORMANCE

Speed	Up to 1,000 blisters/min
Wide Web	Up to 600 mm
Access Levels	Multiple user groups
Access Rights	Configurable per user group
Web Print Inspection	100% (artwork and variable data)
Web Material	Tyvec, aluminum, paper, paper backed aluminum, and more
Recipe Building and Storage	Quick and easy

VISION PERFORMANCE

Inspection Tools	OCV/OCR, Data Matrix, barcode, artwork image, human-readable Data Matrix
Inspection Type	Multiple inspection frames with different sensitivity levels

POWER REQUIREMENTS

Vision Inspection System	120-240 V, 50/60 Hz
HD Printer	208 V, 3-Phase 30A

PRINTING SPECIFICATIONS

Ink Purge	Automatic
Cooling	Air-cooled, no external venting required
Ink Capacity	1-Liter
Speed	Up to 100 m/min
Resolution	Adjustable print resolution, up to 600 DPI
Drop Sizes	4 drop sizes (6, 7, 11 or 14 pL)
Compatibility	UV ink compatible

OPTIONS

- Dual color and multicolor (CMYK) printing
- Wide screen for large webs
- Additional inspection for products inside blisters or trays
- Coder control (single entry point)
- Data management tools connectivity (ERP batch record)
- Scan codes to populate fields automatically at batch startup
- Web unwinder
- Unit dose serialization

The figures above illustrate an example of a typical installation. OPTEL has a wide range of solutions to fit the particularities of your specific packaging lines. Contact us for details.

Other modules and options are also available. Contact your Regional Sales Representative for more information. Find the location closest to you at: optelgroup.com