

UV Drop On Demand InkJet Solutions

Hapa 800



UV Drop On Demand InkJet Solutions – Hapa 800

Digitally print or overprint blisters, labels, cartons, leaflets and web materials as part of your packaging operations. And benefit from greater packaging line flexibility and productivity as well as improved Overall Equipment Effectiveness.



Highest Print Quality

Featuring state-of-the-art Drop On Demand (DOD) InkJet technology with sophisticated drop placement at up to 720 dpi, Hapa 800 systems deliver unparalleled print quality. Requirements for unit dose coding, sequential and randomised numbering are all easily addressed, thanks to the Hapa 800's capability to print both artwork and variable data in a single pass. Maximum flexibility in production planning is achieved as a result.

Secure Data Management

All Hapa 800 systems offer fully digital printing of text, barcodes, graphics and images in one to four spot colours or CMYK process printing. Production data can be uploaded from different data sources via a secure digital interface. Line stoppages have no impact on print quality or line efficiency thanks to onboard intelligence that ensures the current print cycle is completed ready for fast re-start.

All Hapa 800 systems are fully compliant with the FDA's 21 CFR part 11 regulations.

Onboard

- _ Vision System – maintains pharma-compliant print quality
- _ Automated purging of printhead – no manual cleaning
- _ Sophisticated product transport – accurate handling optimises print quality
- _ Secure stitching – printheads are pre-synchronized and mounted on a single plate; no on-site adjustment
- _ Active vacuum regulation – for best operation efficiency and consistent print quality
- _ Open data interface – engineered for compatibility with customer infrastructure
- _ Up- and downstream connectivity – optimised by Hapa for seamless integration

LabelJet



BlisterJet / CartonJet



WebJet



Hybrid Solutions

UV DOD InkJet

UV Flexo

Finished and semi-finished products

Web materials

Blister

Carton

Label

Leaflet

Web

DOD White Lines

Hybrid UV Flexo/UV DOD InkJet – the best of both without compromise

Print standard batch artwork with UV Flexo

- _ Highly cost-effective
- _ Up to 2400 dpi
- _ Low ink consumption
- _ UV Ink in all PMS colour shades

Customise with UV DOD InkJet

- _ Market-specific information
- _ Language variations
- _ Bar-, matrix and alphanumeric codes
- _ Serialised/randomised data



Technical Data	BlisterJet	LabelJet / CartonJet	WebJet
Technology	Piezo DOD	Piezo DOD	Piezo DOD
Resolution	up to 720 dpi	up to 720 dpi	360 dpi
Print speed	up to 30 m/min	up to 30 m/min	up to 24 m/min
Substrate	Wide range of blister foils and films	Wide range of self-adhesive label stock	Wide range of webs / aluminium paper back foil, medical paper, Tyvec
Print width	up to 108 mm	up to 72 mm	up to 432 mm
Power supply	3~, 400 – 480 V, max. 6 kVA, 6 bar	3~, 400 – 480 V, max. 4 kVA, 6 bar	3~, 400 – 480 V, max. 26 kVA, 6 bar
Purging of printhead	Automatic	Automatic	Automatic
Print colour	up to 4 spot colours or CMYK	up to 4 spot colours or CMYK	up to 2
Colour tank size	1l / colour	1l / colour	1l /
Working environment	18 – 30 °C 30 – 70% humidity	18 – 30 °C 30 – 70% humidity	18 – 30 °C 30 – 70% humidity
Data interface	Place-it or customer-specific (tif-files via ftp-port)	Place-it or customer-specific (tif-files via ftp-port)	Place-it or customer-specific (tif-files via ftp-port)

Technical Data	Place-it
Data format	pdf, eps
Data flow	TCP/IP
Platform	Windows NT, 2000, XP,
Workflow	User-friendly and job-based to manage variable and product-specific data as well as serialised/randomised and customer-specific information
Colour management	RIP for spot colours or for colour- and substrate-specific ICC profiles
21 CFR Part 11	Available on request
Codes	All established barcodes and 2D codes
Job-management	Secure QA sign-off at the machine control panel

Hapa – Your total solution provider



FOUNDED IN 1933, HAPA IS THE **WORLD LEADER IN LATE STAGE CUSTOMISATION AND ON DEMAND PRINTING** TECHNOLOGIES FOR THE PHARMACEUTICAL SECTOR, **DELIVERING FAST, ACCURATE AND VALUE-CREATING PACKAGING SOLUTIONS**. SINCE THE INTRODUCTION OF ITS FIRST OVERPRINTING MACHINE MORE THAN FIVE DECADES AGO, HAPA HAS DELIVERED A **CONSTANT STREAM OF INNOVATIONS** TO HELP ITS CUSTOMERS REMAIN RESPONSIVE AND COMPETITIVE IN A FAST-CHANGING MARKET. HAPA'S RANGE OF TECHNOLOGY – **UV FLEXO, UV DIGITAL, UV DOD INKJET, LASER ENGRAVER & HYBRID TECHNOLOGIES** – MAKES US UNIQUELY QUALIFIED **TO CONSULT WITH YOU TO FIND THE RIGHT PACKAGING PRINT SOLUTION** FOR YOUR NEEDS. HAPA IS HEADQUARTERED NEAR ZURICH, **SWITZERLAND**, WHERE A TEAM OF OVER 130 SPECIALISTS ARE ENGAGED IN R&D, DESIGN AND PRODUCTION, SALES AND PROJECT MANAGEMENT AND AFTERMARKET. IN ADDITION, A **WORLDWIDE NETWORK OF SALES AND SERVICE CENTERS** PROVIDES PROFESSIONAL, LOCAL SUPPORT TO HAPA'S INSTALLED BASE OF **OVER 8,000 MACHINES IN 50 COUNTRIES**. HAPA IS A PROUD MEMBER OF **COESIA GROUP**, AN INTERNATIONAL, PRIVATELY OWNED ENTERPRISE. COESIA IS A FEDERATION OF AUTOMATED MACHINERY COMPANIES DEVOTED TO GROWTH AND MARKET LEADERSHIP.

Hapa AG
 Chriesbaumstrasse 4
 8604 Volketswil
 Switzerland
 Phone +41 43 399 32 00
 Fax +41 43 399 32 01
 info@hapa.ch
www.hapa.ch