Specifications

DOT*JET*

DotJet 300 / 320

Print head
• Printing width 61,0 mm / 80,3 mm
• 2,4" per print head / 3,2" per print head
• Fixed resolution of 316 dpi vertical
• variable resolution up to 526 dpi in horizontal printing direction width

• Measurements: 223 x 56 x 227 mm / 223 x 70 x 250 mm
• 768 / 1024 nozzles per print head
• 4 m umbilical
• Easy "snap-in"-system for connection print head to base unit
• Modular concept with "electronic stitching" to increase
  the printing width in steps per print head
• Speed up to 2,5 m/sec. (150 m/min.)

DotJet 280

Print head
• Printing width up to 71,5 mm
• 2,8" per print head
• Resolution of 91 dpi up to 450 dpi depending on the printing width
• Resolution can be increased by inclining the print head for a
  smaller printing width
• Measurements: 186 x 114 x 72 mm
• 256 nozzles per print head
• 4 m umbilical
• Easy "snap-in"-system for connection print head to base unit
• Modular concept with "electronic stitching" to increase
  the printing width in steps per print head
• Speed up to 2,0 m/sec. (120 m/min.)

Controller
• Controller based on Windows XP
• Max. 8 print heads (DotJet 280 max. 16 print heads) can be controlled with one PC-Controller
• Automatic make-ready mode to reduce the set up times of the machine
• Compact control unit to control a variety of machines as InkJet-, addressing-, print-, packaging- as well as finishing machines etc.
• Control unit of the InkJet-printer DotJet as well as JET2 se, barcode-readers and camera-verifiying systems

Print and operation
• User-friendly operation to print fixed and variable data and text, Windows True Type fonts, Bitmap-graphics
• Various barcodes: code 39, code 128, Interleaved 2/5, Codabar, UPC/EAN etc.
• 2D and Datamatrix barcode
• Intuitive WYSIWYG-layout
• Clear operation due to a full graphic design of the inkjet-systems

Available software options
• Read & Print – Reading a code, verify against a database and print
• Print repetition – Reorder-function
• Security-system for encoding and decoding of security relevant data
• Remote maintenance software for easy error analysis, -diagnostics and trouble shooting by modem

Inks
• UV-curable ink to print on most different materials as coated and uncoated papers, foils and plastic cards
• Solvent-inks
• UV-colour inks in the primary colours Cyan, Magenta, Yellow and Black
• Customized spot-colour-inks on request
• UV-fluorescent inks (only visible under UV-light)
• Hybrid-ink in combination between oil- and solvent-based ink

Service
• Refurbish program

Accessories
• Product sensor, shaft encoder, head mounting (can be operated mechanically as well as pneumatically)

Supply values
• 110 – 230 V, 50 – 60 Hz, max. 40 VA

Future oriented
• CMYK-colour print head
• ½" wide high-resolution print head for special use for numbering and barcode applications

L E I B I N G E R
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Ink-Jet Systems

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DOT*JET*

The Leibinger DotJet is the modular InkJet-printer for the graphic industry.
The printer is based on the Drop-on-Demand-technology and has a very compact and modular construction which is optimumly qualified for large printing widths with high resolution.

The Leibinger DotJet offers the possibility of Inline-print for a variety of existing print- and finishing machines.

It is qualified for printing on existing print products for partial personalization, numbering, Barcode as well as addresses. The application area reaches from classical forms printing to labels- and long grain print, vouchers, security documents, lottery tickets to plastic cards and direct-mailings.

Start-up:
The InkJet-printer is ready to print within a couple of minutes. The change of print jobs can also happen within seconds.

Electronic Stitching:
Modular concept with electronic stitching to increase the print width of the Leibinger DotJet 300 in steps of 61 mm, that means the arrangement of several print heads in parallel to create and print large graphics and complex layouts easily.

Ink:
Leibinger offers the suitable inks on different materials for your application. The inks meet highest quality requirements and offers excellent type qualities during the print process besides reliability and process safety and are especially developed for the use in Leibinger InkJet-printers.

The wide range includes besides
- UV-cureable inks which can be used multi-purpose on most different printing materials e.g. coated and uncoated paper, foils and plastic cards
- UV-color inks in the primary colors Yellow, Magenta, Cyan and Black
- customized spot-colour-inks on request
- UV-fluorescent inks (only visible under UV-light)
- Solvent-inks

The inks offer further advantages by
- excellent print- and resolution quality
- eco-friendly handling without VOCs
- extreme smudge- and abrasionproofed

Operator surface:
Clear operation by full graphic display of the InkJet-system.
Easy operator guide, clear and can be operated intuitively by Windows.
The layout is WYSIWYG and can be created with all heads.
Software to print fix and variable data, mailings-numbering, logos, Barcode (C39, C128, 2/5 interleaved, Datamatrix, and so on) as well as graphics.
Existing software-features as data bank-addressing, Read & Print, Ethernet-interface (TCP/IP), Reordering, remote assistance software, security modules for data encryption, decryption, access control etc. are available.

Leibinger DotJet 300 integrated in machine concept for the print of variable data

122mm print width by electronic stitching of the Leibinger DotJet 300

Windows-based operator-software for easy layout writing