



# HP Drucker

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Warren A. Viertel  
Consultant  
Hewlett Packard GmbH

## Agenda



- Marketing Information
- HP Printer Products
- Inkjet Printers
- Monochrome Laser Printers
- Color Laser Printers
- Multi-function Printers
- Large-format Printers and Plotters
- Printservers and Network Software

## HP Business Units Overview



- **Personal Systems Group (PSG)**
  - Desktops
  - Workstations
  - Notebooks
  - New Technologies
- **Enterprise Systems Group (ESG)**
  - Servers
  - Storage
  - Software
  - Solutions
- **Imaging & Printing Group (IPG)**
  - Consumer Printing
  - Business Printing
  - Digital Publishing
  - Digital Imaging
- **HP Services (HPS)**
  - Customer Support
  - Managed Services (Outsourcing)
  - Consulting and Integration
  - Domain Expertise

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## Marktpositionen HP Deutschland 2002



ESG	Nr.1	Industrie Standard Server
	Nr.1	HP OpenView
	Nr.1	SAP Solutions
	Nr.1	Storage Area Networks
	Nr.3	Network Solutions
	Nr.3	RISC UNIX
HPS	Nr.5	HP Services
IPG	Nr.1	LaserJets
	Nr.1	InkJet Printers
	Nr.1	Large format Printers
	Nr.1	All-in-One Products
	Nr.1	Scanner
PSG	Nr.2	PCs
	Nr.2	Mobile PCs
	Nr.2	Handhelds

Quellen IDC, GfK

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## Imaging and Printing Group



### Worldwide:

- \$ 20 Billion turnover in 2001
- 230 Million Printers delivered
  - 170 Million Inkjet printers
  - 60 Million Laser printers
- 1.7 Billion Ink jet cartridges
- Stable Position as Market Leader
- **Nr. 1 in: Inkjet and Laser printers, Scanners, Large scale printers, Multi-function Printers and Printservers**
  - Among the leaders in Digital printing presses
- Innovative Technology leader for over 17 years

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## HP Printer Products



### • Inkjet Printers

- |  |                  |
|--|------------------|
| • HP Deskjet 350C/Cbi                          | HP Deskjet 3325  |
| • HP Deskjet 450Ci/Cbi                         | HP Deskjet 3420  |
| • HP Deskjet 990Cxi                            | HP Deskjet 3820  |
| • HP Deskjet 990CM                             | HP Deskjet 5550  |
| • HP Deskjet 995C                              | HP Deskjet 6122  |
| • HP Deskjet 1220C/PS*                         | HP Deskjet 6127  |
| • HP Deskjet 1220C*                            | HP Designjet 100 |
| • <b>HP Color Inkjet CP1160</b>                |                  |
| • <b>HP Color Inkjet 1700/1700D/1700PS*</b>    |                  |
| • <b>HP Business Inkjet 2230/2280/2280TN*</b>  |                  |
| • <b>HP Business Inkjet 2600/2600DN*</b>       |                  |
| • <b>HP Business Inkjet 3000/3000N/3000DTN</b> |                  |
| • <b>HP Photosmart 130,230,7150,7350, 7550</b> |                  |

\*A3

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## HP Printer Products



### • HP LaserJets

- HP LaserJet 1000w
- HP LaserJet 1150
- HP LaserJet 1300/N
- HP LaserJet 2200D/DT/DN/DTN
- HP LaserJet 2300L/D/N/DN/DTN
- HP LaserJet 4200/N/TN/DTN/DTNSL
- HP LaserJet 4300/N/TN/DTN/DTNSL
- HP LaserJet 5100 /TN/DTN
- HP LaserJet 8150/N/DN
- HP LaserJet 9000/N/DN
- HP LaserJet 1005w
- HP LaserJet 1200/1200N

### • HP Color LaserJets

- HP Color LaserJet 2500/L/N/TN
- HP Color LaserJet 4600/N/DN/DTN/HDN
- HP Color LaserJet 5500/N/DN/DTN/HDN\*

\*A3

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## HP Printer Products



### • Multi-Function Printers

- HP LaserJet 1220
- HP LaserJet 3300 MFP
- HP LaserJet 4100 MFP
- HP LaserJet 9000 MFP
- HP Color LaserJet 8550 MFP\* (\*A3)
- HP LaserJet 3200/M
- HP LaserJet 3320/N MFP
- HP LaserJet 8150 MFP
- HP Digital Sender 9100C

### • Large Format Printers/Plotters

- HP Designjet 430
- HP Designjet 1050C Plus
- HP Designjet 800/800PS
- HP Designjet 5500/5500PS
- HP Designjet 500/500PS
- HP Designjet 1055CM Plus
- HP Designjet CC800 PS

### • All-in-One

- Print/Scan/Fax/Copy
- Officejet D125xi, 5110, 6110, K80, G85, D135, D145, D155xi, PSC 2110

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## HP Printer Products



- **Network Printing**

- Internal printserver – Jetdirect cards
- External printserver – Jetdirect „boxes“
- Wireless printserver
- Infrared interfaces
- HP Print Server Appliance – optimized network spooler
- HP Web Jetadmin software

- **Color Technology**

- HP PhotoRet III
- HP PhotoRET IV
- HP ColorSmart III

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## HP Printer Products



- **Software Solutions**

- Barcode and symbol printing
- Brochure printing
- Cluster printing
- Color Management
- ERP/SAP printing
- HP 3000/9000
- IBM Host printing
- RIP, image printing
- Labels and letterhead
- Networking solutions
- ... and more

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## HP Inkjet Technology Printers

### Business Inkjets

## Business Inkjet 2230/2280



- 15 ppm Black & white
- 14 ppm Color
- 1200 x 600 dpi B/W
- PhotoREt III photo quality color
- 4 ink cartridges CYMK
- „Drop on Demand“ Technology  
(Thermischer Tintenstrahldruck)
- 16/48 MB memory, 176 MB max.
- 250 sheet input tray
  - 250 sheet optional tray
- PCL 3, PCL 5Ce, PostScript Level 3
- Parallel port, NIC
- 10,000 pages/month duty cycle

## HP Business Inkjet 2600/2600DN



- 15 ppm Black & white
- 11 ppm Color
- 1200 x 600 dpi B/W
- PhotoREt III photo quality color
- 4 ink cartridges CYMK
- „Drop on Demand“ Technology
- Paper sizes A6 – A3
- 48 MB memory, 176 MB max.
- 150 and 250 sheet input trays
- Duplex
- PCL 5C, PostScript Level 3
- Parallel port, USB port, NIC
- 12,000 pages/month duty cycle

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## HP Business Inkjet 3000/3000N/3000DTN



- 21 ppm Black & white
- 18 ppm Color
- 1200 x 600 dpi B/W
- PhotoREt III photo quality color
- 4 ink cartridges CYMK
- „Drop on Demand“ Technology
- 88 MB memory, 344 MB max.
- 300 sheet input tray
  - 700 sheet optional input tray
  - 100 sheet optional multi-purpose tray
- Duplex
- PCL 5C, PCL 6C, PostScript Level 3
- Parallel port, USB port, NIC
- 30,000 pages/month duty cycle

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## Monochrome Laser Printers HP LaserJet Printers

## HP LaserJet Model Designations



- - = base unit (**LaserJet 2300**)
- -D = base unit + duplexer (**LaserJet 2300D**)
- -DT = base unit + duplexer + extra paper tray (**LaserJet 2300DT**)
- -DN = base unit + duplexer + NIC (**LaserJet 2300DN**)
- -DTN = base unit + duplexer + extra paper tray + NIC (**LaserJet 2300DTN**)
- -S = + stacker
- -sL = + stacker/stapler
- -H = + hard disk
- -L = lowcost



## HP LaserJet 2200 Series



- 18 ppm
- 1<sup>st</sup> page prints after only 15 seconds –Instant-On-Technology
- 8 MB memory standard, upgrade to 72MB
- 1200 x 1200 dpi
- PCL 5e, PCL 6
- PostScript Level 2 emulation
- 1 x 250 sheet tray, 1 x 100 sheet multi-purpose tray
  - 250 and 500 sheet trays optional

## HP LaserJet 2200 Series



- Parallel port, USB port, Fast Infrared port are standard
  - NIC optional
- Duplex
- 40.000 Pages/month duty cycle,
- 5000 Pages/Toner Cassette
- Models: 2200, 2200D, 2200DT, 2200DN, 2200DTN

## HP LaserJet 2300 Series



- Newest Laserjet printer
- 24 ppm
- 1200 x 1200 dpi
- 1st page prints after 10 sec.
- 48MB memory
  - upgrade to 304MB
- PCL 5e, PCL 6, PostScript Level 3 emulation
- Duplex
- 1 x 250 sheet tray, 1 x 100 sheet multi-purpose tray
  - 250 and 500 sheet trays optional
  - 850 sheets maximum

## HP LaserJet 2300 Series



- Embedded Web Server
- Parallel port, USB port, NIC
- 50.000 Pages/month duty cycle
- 6000 Pages per toner cassette
- Models: 2300, 2300L, 2300D, 2300N, 2300DN, 2300DTN

## HP LaserJet 4200/4300 Series



- 33 ppm / 43 ppm
- 1200 x 1200 dpi
- 1st page in under 8.5 seconds
- 48 MB / 64 MB memory  
416 MB maximum
- PCL 5e, PCL6, PostScript Level 3,  
HP-GL/2
- Duplex
- ALL-in-one print unit contains toner,  
drum and developer
- Paper trays 600 sheets standard,  
up to 2,600 sheets
- Stapler and LCOT optional

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## HP LaserJet 4200/4300 Series



- 10 GB hard disk optional
- Parallel port, NIC
- 150.000 pages/month LJ 4200
- 200.000 pages/month LJ 4300
- Models: -N, -TN, -DTN, -DTNSL

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## HP LaserJet 5100



- 22 ppm with A4 format
- 11 ppm with A3 format
- 1200 x 1200 dpi
- Instant-On-Technology
- 32 MB memory, 192 MB maximum
- PCL 5e, PCL 6, PostScript Level 3
- Duplex
- 250 sheet tray + 100 sheet multifunction tray standard
  - Optional 250 and 500 sheet trays
  - Maximum 1100 sheets
- Parallel port , NIC
- 65.000 pages/month duty cycle
- Models: 5100, 5100TN, 5100DTN



## HP Color LaserJet Printers

## HP Color LaseJet 2500



- 4 ppm color, 16ppm b/w
- Instant-On-Technology
- 600 x 600 dpi
- 64 MB memory, 256 MB maximum
- No duplex (manual possible)
- Parallel port, USB port, NIC
- PCL 5, PCL 6 and PostScript Level 3
- 125 sheet multipurpose tray
  - 250 sheet tray, 500 sheet tray
- 30.000 pages/month duty cycle
- Models: 2500, 2500N, 2500TN

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## HP Color LaserJet 4600



- 16 ppm Color and B/W
- Instant-on-Technology, Single pass
- 600 x 600 dpi
- 96/160 MB memory, upgrade to 416 MB maximum
- Duplex
- 10 GB hard disk (some models)
- Parallel port, NIC
- PCL 5, PCL 6, PostScript Level 3
- 600 sheet input standard
  - 500 sheet tray optional
- 85,000 pages/month duty cycle
- Models: 4600, 4600N, 4600DN, 4600DTN, 4600HDN

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## HP Color LaserJet 5500



- 22 ppm color and black & white
- A4 and A3 paper
- 600 x 600 dpi
- 96 MB memory, 416 MB maximum
- PCL 5c, PCL 6, PostScript Level III
- Duplex
- Parallel port, NIC
- 1 x 500 sheet tray, 1 x 100 sheet tray
  - 500 sheet optional tray
  - Maximum 1600 sheets
- 120.000 pages/month duty cycle
- Models: 5500, 5500N, 5500DN, 5500DTN, 5500HDN

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## Multi-Function Printers



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## HP Multifunction Printers



- Functionality:
  - Printing
  - Copying
  - Color and black & white scanning
  - Digital sending of documents
    - Convert to JPEG, TIFF or PDF file
    - Send per e-mail
  - Print and send simultaneously
  - Control panel with keyboard for local operation

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## HP LaserJet 4100 MFP



- 24 ppm A4 printing and copying
- 1200 x 1200 dpi
- 64 MB memory standard
  - 256 MB maximum
- 10 GB hard disk standard
- Duplex optional
- PCL 5e, PCL6, PostScript Level 3
- Standard 600 sheet input tray
  - 500 sheet optional trays
  - 1600 sheets maximum
- Bidirectional parallel port, NIC
- 150.000 pages/month duty cycle
- 10.000 pages per toner cassette

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## HP LaserJet 9000 MFP



- 50 ppm A4 print and copy
- 28 ppm A3 print and copy
- 600 x 600 dpi
- 128 MB memory, 384 MB maximum
- 5 GB hard disk
- Duplex: printing, copying, scanning
- 4 paper trays – 3,100 sheets
- Bidirectional parallel port, NIC
- Stacker/stapler optional
- 300.000 pages/month duty cycle



## Large-Format HP Printers and Plotters



## HP Designjet 430



- Thermal Inkjet technology
- Monochrome printer/plotter
- A0 and A1 paper sizes
  - Optional roll paper
- Optional color kit
- 1200dpi B/W, 600dpi Color
- 4MB memory, upgrade to 36MB
- Parallel port, serial RS-232c
  - External NIC optional

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## HP Designjet 500 and 800 Series



- Thermal color inkjet technology
- Print speed 2m<sup>2</sup>/hour
- 1200 x 600 dpi / 2400 x 1200 dpi
- Flexible media single sheet and roll
- 16MB/96MB memory
  - Upgrade to 160MB
  - 6GB hard disk (800 series)
- Centronics parallel port, USB port
  - External NIC optional

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## HP Designjet 1050C Plus/1055CM Plus



- Thermal Inkjet printer/plotter
- 13m<sup>2</sup> /hour @ 300dpi
- 6,5m<sup>2</sup>/hour @ 1200dpi
- Paper size: A0 – A4; 91,4m roll
- 64MB memory, upgrade to 256MB
- 7,5GB hard disk
- Parallel centronics port, NIC

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## HP Designjet 5500 / 5500PS



- Thermal Inkjet technology
- Dye based or UV-pigment ink
- High speed print and plot - 53m<sup>2</sup>/hour
  - Single sheet paper 60-160 cm
  - Roll paper up to 91m
- 1200 x 600 dpi
- 256 MB memory
- 40 GB hard disk
- Parallel centronics port, NIC

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## Print-Servers and Network Software

## HP Printservers

- **802.11b Wireless Lan Network**
  - HP Jetdirect 680N (internal)
  - HP WP110 (external - parallel port)
  - HP Jetdirect 380X (external – USB)
- **Ethernet Network**
  - HP Jetdirect 400N (internal)
  - HP Jetdirect 600N (internal)
  - HP Jetdirect 170X (external parallel port)
- **Fast Ethernet Network**
  - HP Jetdirect 400N (internal)
  - HP Jetdirect 615N (internal)
  - HP Jetdirect 300X/500X (external parallel port)
  - HP Jetdirect 175X/310X (external USB)
- **HP Printserver Appliance 4200**
  - Linux based dedicated network printserver
  - 128MB memory
  - 10GB hard disk
- **Bluetooth Adapter**
  - MPIPA 130 (MPI Tech)





- **HP Web Jetadmin V6.5**

- Central printing administration
- Monitor printer state
- Adjust printer and network card settings
- Monitor resources
- Install/delete printers
- Assign IP addresses, names
- Update network card firmware

- **HP Mobile Printing Software**

- Print from Laptop to any PostScript printer in the intranet
- Uses a general purpose PostScript driver
- Connect to IP address, DNS name or network path
- Compatible with NT4, Windows 2000, XP, ME, W98



- Any Questions?

