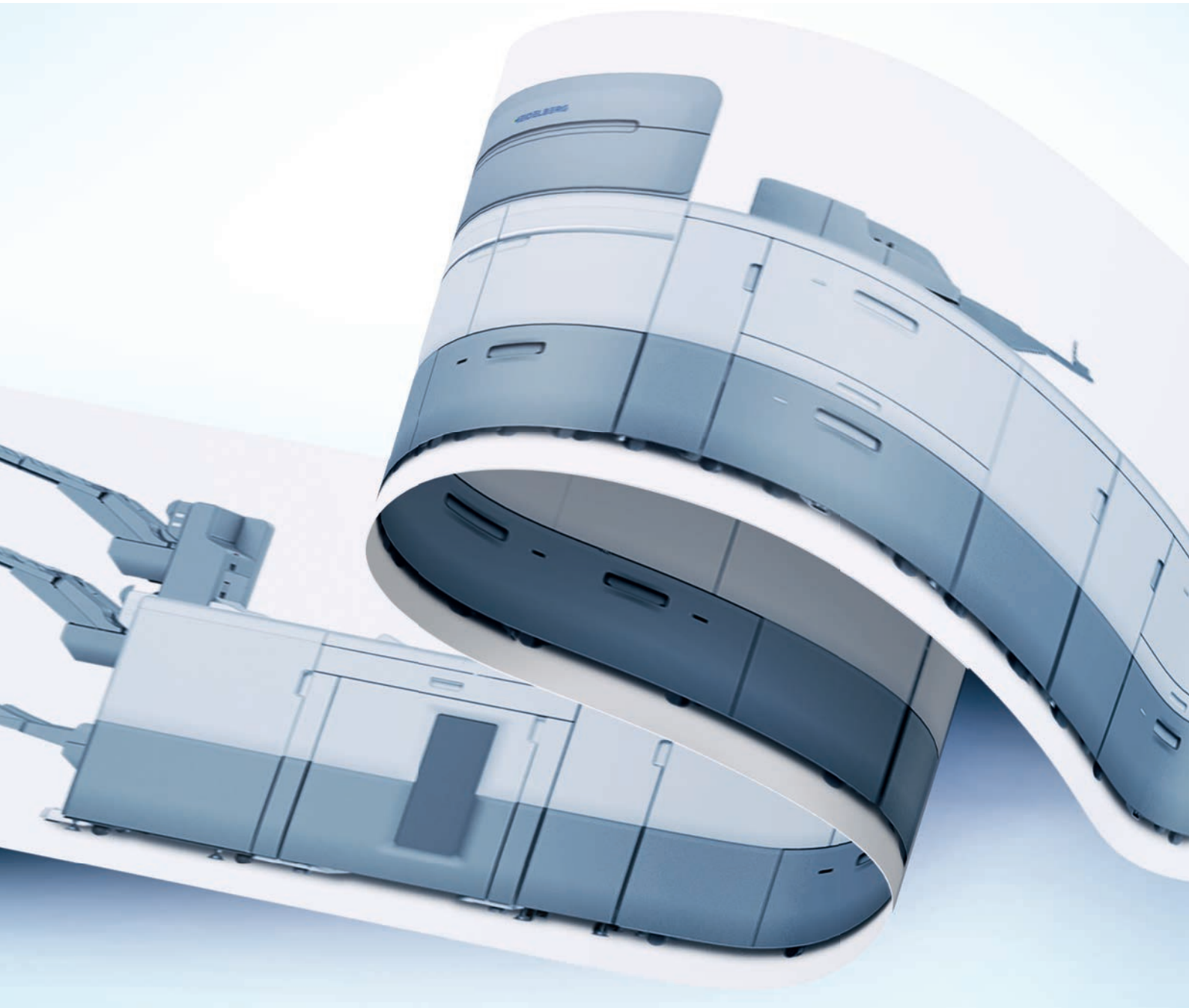
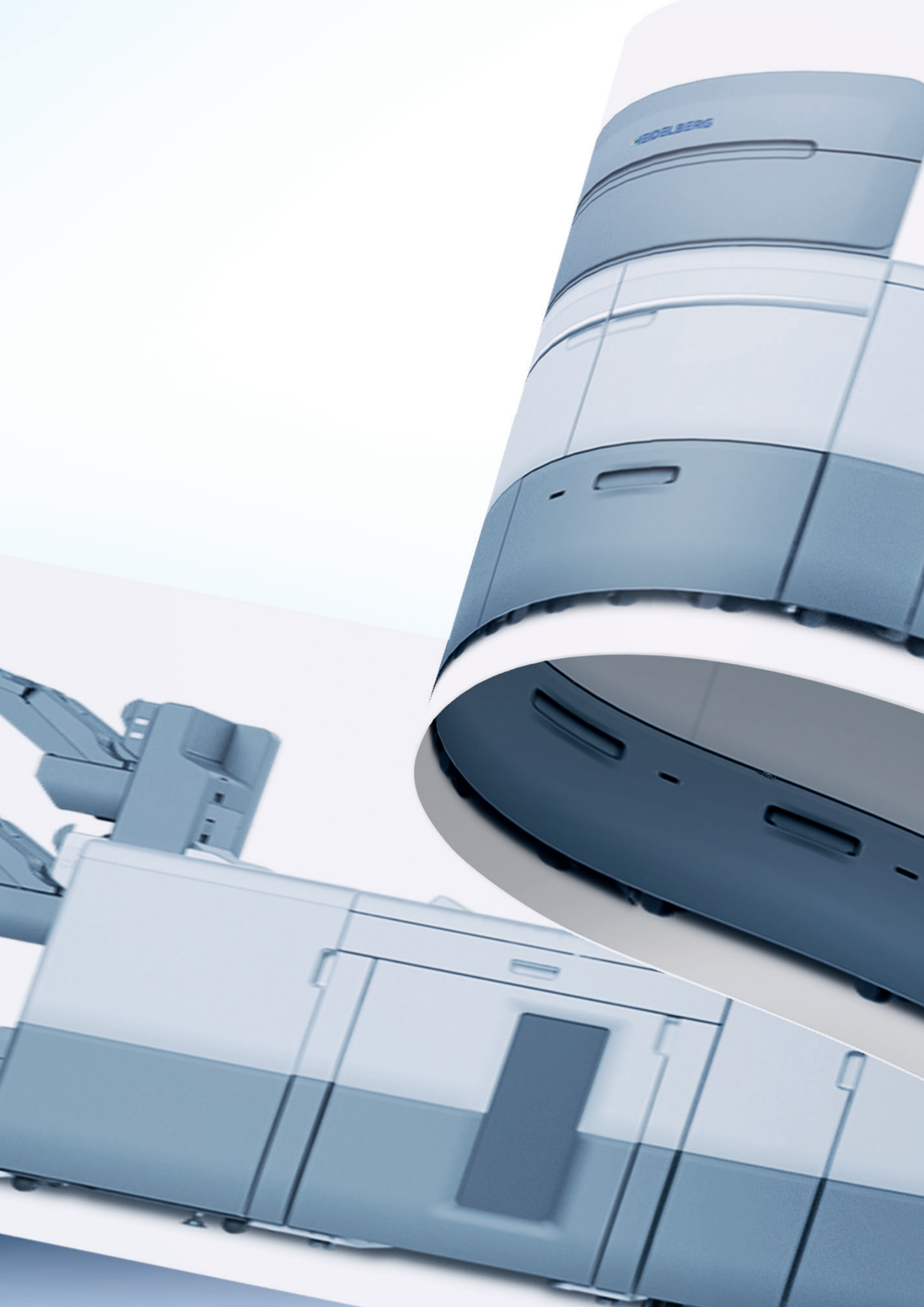
HEIDELBERG

High-end print production with new application diversity. **Versafire Family.**

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Designed for wow effects.
Versafire LV.

Versafire LV sets impressive standards. Its flexibility and versatility make it perfect for different pressruns as well as variable data printing.

Key features at a glance

- Wide application range with white, varnish, neon yellow or pink, invisible red toner, gold and silver
- Improved and faster handling of 5th color exchange (white first)
- High throughput of up to 3,180 A3 sheets/hours or 95 A4 sheets/minute (simplex)
- 21.5" Full-HD touch screen with improved usability (remote-capable e.g., for tablet or DFE use) due to browser based UI-concept
- Fine detail reproduction with 2,400 × 4,800 dpi with low-temperature/high-gamut toner
- Wide media flexibility up to 470 gsm
- Consistent production speed with media mix
- Large-format duplex banner printing up to 330 × 1030 mm (12.99 × 40.55 in)
- Automatic inline registration and calibration
- Hybrid production with offset and digital; automatically insert pre-printed offset sheets into the print job
- Smart postpress through sorted output and new inline finishing devices for trimming & creasing

Output security

Deciding whether to print a job on a digital device or with offset is not always easy. The Prinect® Digital Frontend (DFE) controller ensures both full flexibility and consistency. The same PDF interpreter and color engines are used for output to the computer-to-plate system (e.g. Suprasetter® from HEIDELBERG®) and the Versafire® when using the Prinect workflow system.

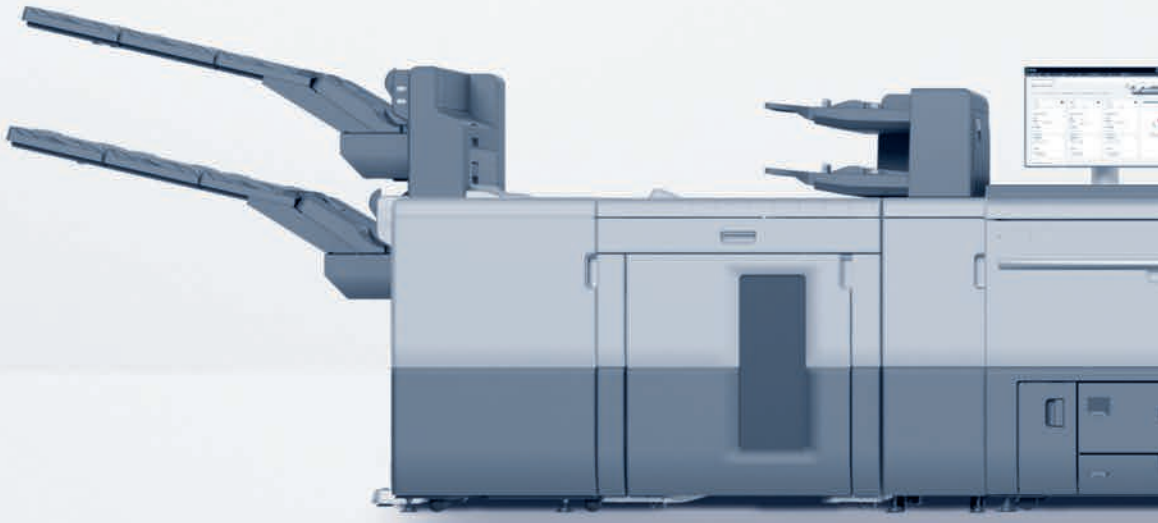
For more information visit:
heidelberg.com/versafire
Or contact your HEIDELBERG Digital Specialist at:
info@heidelberg.com

Technical data.
Versafire LV.

Features	**Versafire LV**
Engine	2,400 × 4,800 dpi CMYK + optional white, varnish, neon yellow, neon pink, invisible red, gold, silver Wax-based PxP™ toner Automatic inline registration and calibration Vacuum suction feeder (optional) Media identification unit Consistently high production speed with thin, thick or structured media (mixed media production) Enhanced toner transfer system for structured media (AC/DC) 21.5-inch touchscreen Capacity of up to 16,200 sheets
Controller	Prinect Versafire DFE – LV / LV S or EFI Fiery N-50(A) / N-70(A)
Media format min. width×length	100 × 140 mm simplex (3.94 × 5.51 in), 140 × 200 mm duplex (5.51 × 7.87 in)
Media format max. width×length	330 × 487 mm (12.99 × 19.17 in), duplex large capacity tray (max. 470 gsm) 330 × 960 mm (12.99 × 27.55 in), duplex large capacity tray (max. 300 gsm) 330 × 1030 mm (12.99 × 40.55 in), duplex with bypass tray (max. 216 gsm) 330 × 1,260 mm (12.99 × 49.61 in), simplex with bypass tray (max. 216 gsm)
Printing speed (independent of material thickness)	3,180 A3 sheets/hour or 95 A4 pages/minute (simplex) optional 2,940 A3 sheets/hour or 85 A4 pages/minute (simplex)
Print material*	Plain paper, coated paper (gloss and matt), recycled paper, pre-printed offset, letterhead, pre-punched, tab stock, OHP (transparency), translucent paper, envelope, textured paper, metallized, synthetic, water-resistant, magnetic or label (adhesive) substrates, NCR (carbon copy)
Grammage	40–470 gsm (duplex)
Average monthly print volume	Up to 140,000 A3 sheets/month (simplex)
Weight	Max. 600 kg (engine)
Dimensions (W × D × H)	1,320 × 910 × 1,218 mm (51.97 × 35.83 × 47.95 in)
Power consumption	< 5,000 watts
Options	Up to 3 large-capacity trays, cover interposer, multi-folding unit, perfect binder, ring binder, booklet finisher and trimmer, high-capacity stacker

*Not all media approved – please refer to the latest media qualification list

VERSAFIRE LV

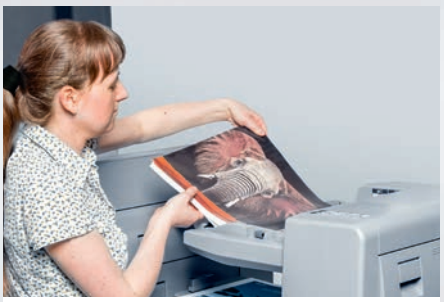


Banner printing up to 1,260 mm printed on one side or 1,030 mm printed on both sides. Suitable for the production of six to eight-pagers as well as large posters on one sheet.

The **media scanner** automatically determines the most suitable adjustments for a medium.

Intuitive color management with media-specific ICC profile creation ensures easy color adjustment to offset.

Fifth color for inline finishing with special colors gives printed matter that certain something extra – especially in conjunction with the multitude of possible substrates.



Interposer introduces pre-produced sheets into the pile during ongoing print production – for seamless inline postpress.

Two large **vacuum feed trays (Vacuum Feed LCT)** with optimized sheet control for lateral stabilization of the pile during feeding.

10

Inline finishing

High added value, because printing and postpress take place in one go.

Continuous production with new postpress options increases the diversity of the offering and shortens production and delivery times.

7

New basic computer

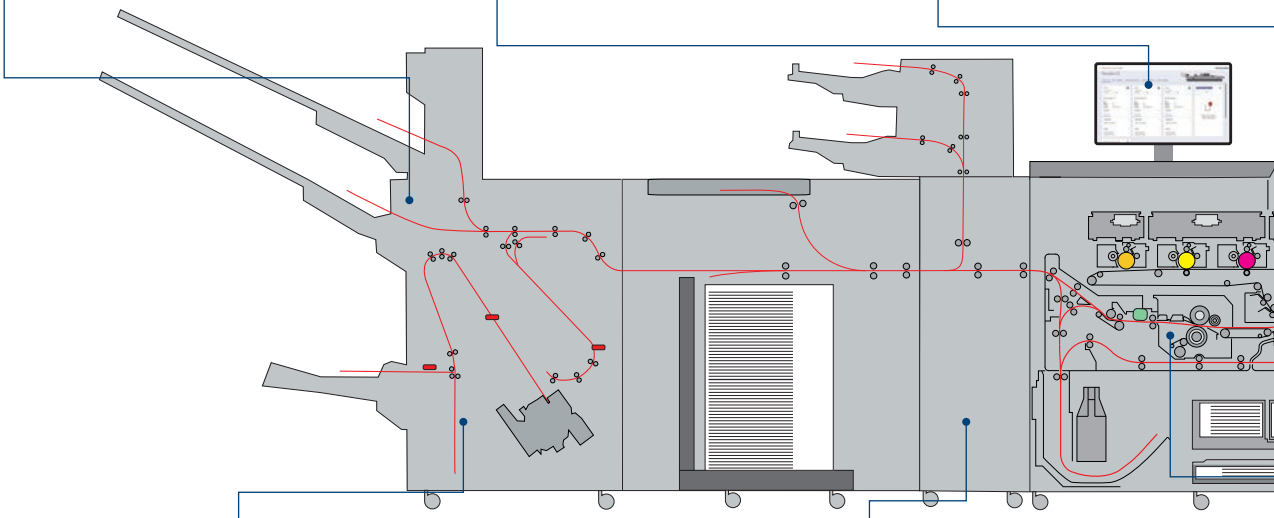
Intuitive operation on the 21.5″ touchscreen monitor with browser-based user interface.

6

CMYK plus fifth color

In addition to the reliable production of standard jobs with the four CMYK process colors, **finishing with a special color** is possible.

Seven special colors are available as the fifth color (white, lacquer, neon yellow, neon pink, gold, silver and invisible red).



9

Supported paper transport

Reliable processing of grammages from 40 to 470 g/m².

8

Update as needed

The Versafire LV adapts to **individual requirements** at any time.

Upgradeable options include **changing from four to five colors** and speed increase **from 85 to 95 ppm.**

4 Multi-Bypass Tray

Material tray for large **formats such as banners** up to 1,260 mm (simplex) or 1,030 mm (duplex) length.

The large formats are also suitable for the **production of six- and eight-pagers.**

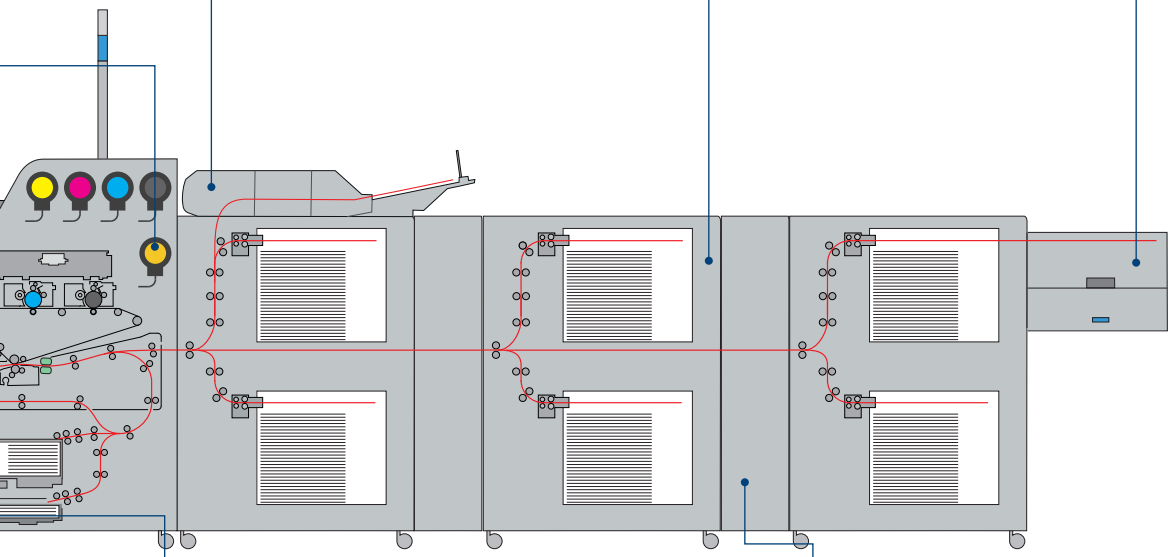
3 Large feed station trays

Sufficient space for the **printing material,** suitable for, e. g., 2,500 sheets each at 80 g/m² grammage.

They can be refilled independently during production and increase the **production capacity** during autonomous production.

1 Separate banner trays

Separate material trays provide **space for large formats** such as banners up to 960 mm long.



5 Elastic transfer tape

The elastic transfer tape shows its strength of **better image/dot gain transfer** particularly on structured or thin media.

The result: brilliant, **perfectly fitting printed matter.**

2 Different printing materials

Versafire LV processes a wide **range of materials in a highly productive manner –** without loss of speed when changing.

In addition to paper and cardboard, **a wide variety of substrates** such as transparent foils, synthetic materials, and metallized or colored media can be printed.

Further information and technical details about the Versafire LV can be found here:
heidelberg.com/en/versafire-lv

Designed for perfection.
Versafire LP.

Versafire LP sets standards in terms of productivity and quality. It is ideal for different pressruns and for variable data printing.

Key features at a glance

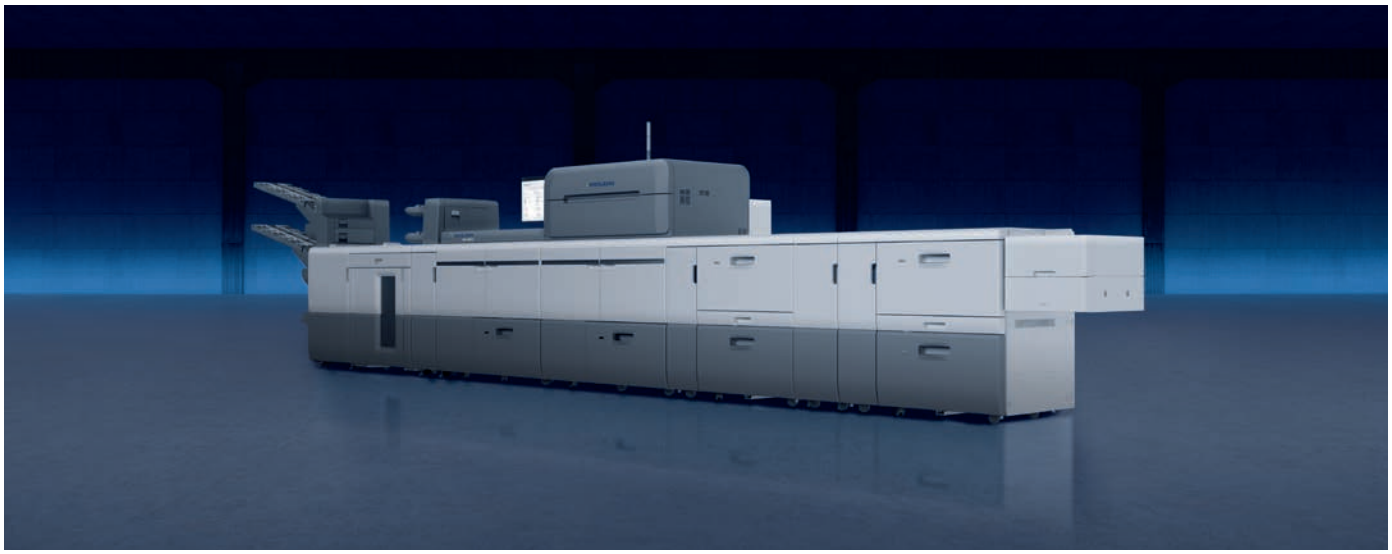
- Reliable output of up to 4,500 A3 sheets/hours or 135 A4 sheets/minute (simplex)
- Automatic inline registration and calibration
- Inline sensors for precise color control and color consistency
- IQM – Automatic Defect-Detection for “Perfect Stack”
- Fine detail reproduction with 2,400 × 4,800 dpi with low-temperature/high-gamut toner
- 21.5" Full-HD touch screen with improved usability (remote-capable e.g., for tablet or DFE use) due to browser based UI-concept
- Vacuum suction feeder for secure media transport
- Large-format duplex banner printing up to 330 × 1030 mm (12.99 × 40.55 in)
- Consistent production speed with media mix
- Print applications with paper weight up to 470 gsm, even on textured media
- High availability due to tray capacity of max. 18,100 sheets
- Smart postpress through sorted output and new inline finishing devices for trimming & creasing

Output security

Deciding whether to print a job on a digital device or with offset is not always easy. The Prinect Digital Frontend (DFE) controller ensures both full flexibility and consistency. The same PDF interpreter and color engines are used for output to the computer-to-plate system (e.g. Suprasetter from HEIDELBERG) and the Versafire when using the Prinect workflow system.

For more information visit:
heidelberg.com/versafire
Or contact your HEIDELBERG Digital Specialist at:
info@heidelberg.com

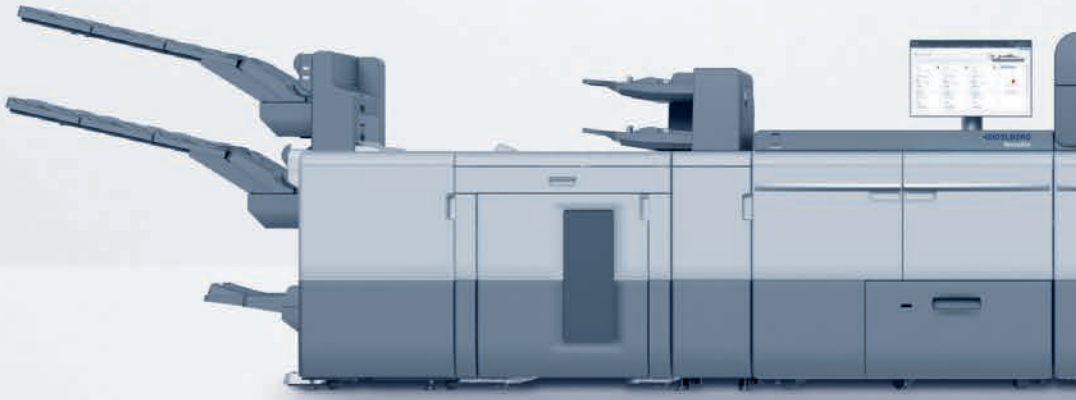
Technical data.
Versafire LP.



Features	**Versafire LP**
Engine	2,400 × 4,800 dpi Wax-based PxP™ toner Automatic inline registration and calibration and color control Auto Color Diagnosis Unit – optional New Fusing unit for matt and gloss output Vacuum suction feeder Media identification unit Consistently high production speed with thin, thick or structured media (mixed media production) Enhanced toner transfer system for structured media (AC/DC) 21.5-inch touchscreen Capacity of up to 18,100 sheets
Controller	Prinect Versafire DFE – LP / LP S or EFI Fiery N-70(A)
Media format min. width×length	100 × 140 mm simplex (3.94 × 5.51 in), 140 × 200 mm duplex (5.51 × 7.87 in)
Media format max. width × length	330 × 487 mm (12.99 × 19.17 in), duplex large capacity tray (max. 470 gsm) 330 × 960 mm (12.99 × 27.55 in), duplex large capacity tray (max. 300 gsm) 330 × 1030 mm (12.99 × 40.55 in), duplex with bypass tray (max. 216 gsm) 330 × 1,260 mm (12.99 × 49.61 in), simplex with bypass tray (max. 216 gsm)
Printing speed	4,500 A3 sheets/hour or 135 A4 pages/minute (simplex) optional 3,720 A3 sheets/hour or 115 A4 pages/minute (simplex)
Print material*	Plain paper, coated paper (gloss and matt), recycled paper, pre-printed offset, letterhead, pre-punched, tab stock, OHP (transparency), translucent paper, envelope, textured paper, metallized, synthetic, water-resistant, magnetic or label (adhesive) substrates, NCR (carbon copy)
Grammage	40–470 gsm (duplex)
Average monthly print volume	Up to 500,000 A3 sheets/month (simplex)
Weight	Max. 1,100 kg (engine)
Dimensions (W × D × H)	2,520 × 990 × 1,870 mm (99.21 × 38.98 × 73.62 in)
Power consumption	< 9,000 watts
Options	Up to 3 large-capacity trays, cover interposer, multi-folding unit, perfect binder, ring binder, booklet finisher and trimmer, high-capacity stacker

*Not all media approved – please refer to the latest media qualification list

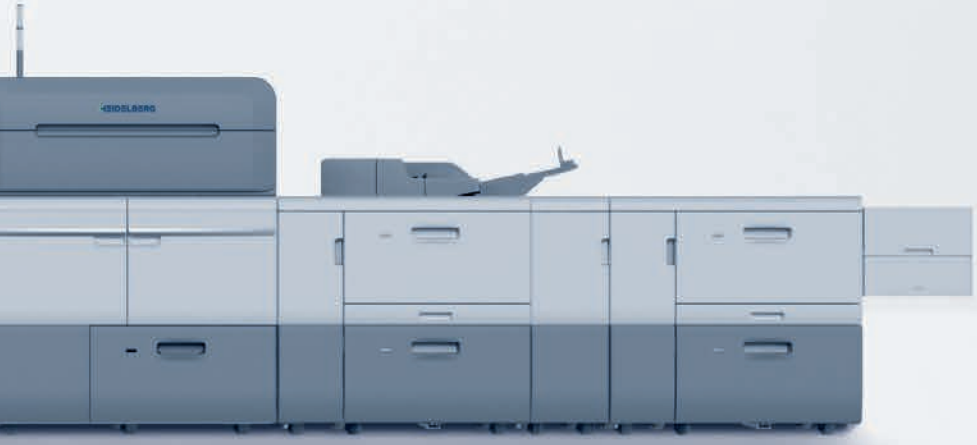
VERSAFIRE LP



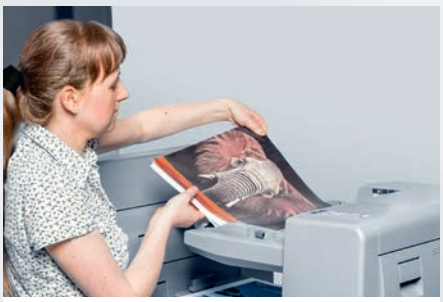
Banner printing up to 1,260 mm printed on one side or 1,030 mm printed on both sides. Suitable for the production of six to eight-pagers as well as large posters on one sheet.

Quality proof using automatic inline PDF-based color matching and correction as well as defect detection provides security and reduces manual effort.

Intuitive color management with media-specific ICC profile creation ensures easy color adjustment to offset.



Twin Toner Bay with two cartridges per color allows toner replacement in non-stop operation for consistently high productivity.



Interposer introduces pre-produced sheets into the pile during ongoing print production – for seamless inline postpress.

Two large **vacuum feed trays (Vacuum Feed LCT)** with optimized sheet control for lateral stabilization of the pile during feeding.

8

Inline finishing

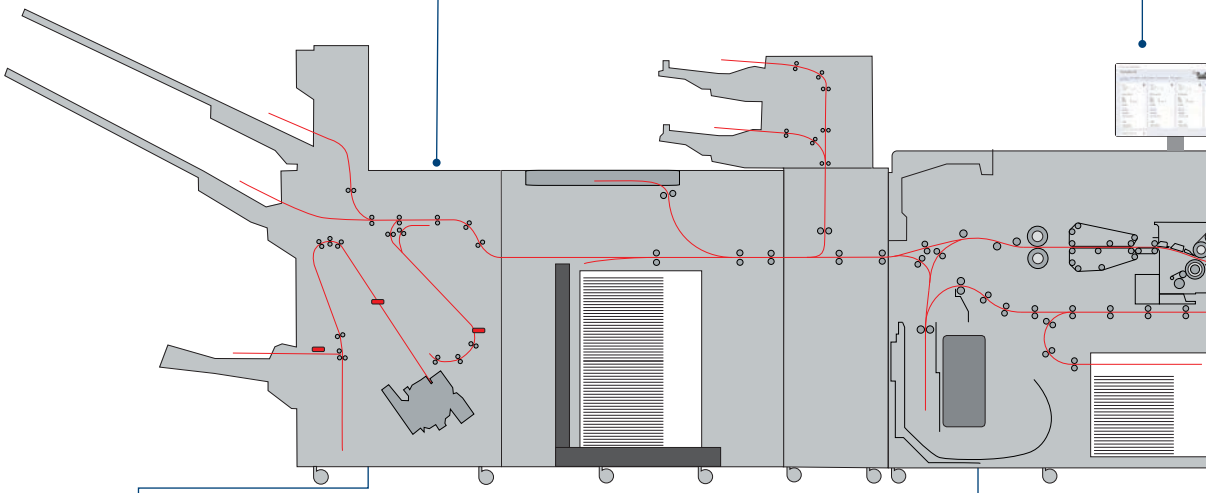
High added value, because printing and postpress take place in one go.

Continuous production with new postpress options increases the diversity of the offering and shortens production and delivery times.

6

New basic computer

Intuitive operation on the 21.5″ touchscreen monitor with browser-based user interface and media recognition unit.



9

Supported paper transport

Reliable processing of grammages from 40 to 470 g/m² thanks to the large transport radius.

7

Integrated Quality Proof

Automatic quality control in the ACD (Auto Color Diagnosis) unit.

Color deviations are automatically detected and corrected through real-time measurement of each individual sheet after printing in the **Image Quality Monitor**.

Defects such as artifacts on the sheet can be detected by **comparison with the PDF data** and the sheets can be rejected if necessary.

4 High quality CMYK printing

With **two toner cartridges per color** in the **twin toner bay**, non-stop production can be carried out in CMYK.

This enables cartridges to be changed during operation, an essential requirement for autonomous production.

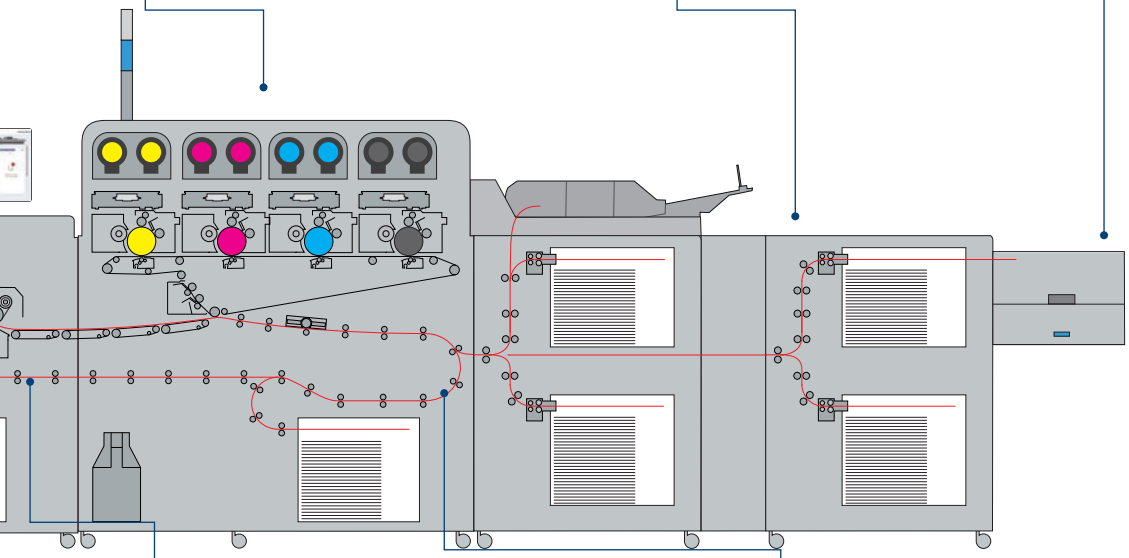
2 Large feed station trays

Sufficient space for the **printing material,** suitable for, e. g., 2,500 sheets each at 80 g/m² grammage.

They can be refilled independently during production and increase the **production capacity** during autonomous production.

1 Separate banner trays

Additional material trays provide **space for large formats** such as banners up to 960 mm long.



5 Fuser Technology

The fuser fixes the applied toner onto the sheet at up to 200 °C, depending on the material thickness.

Depending on the motif, **the gloss level** can be adjusted individually.

3 Automatic alignment

The paper alignment is essential for accurate, **high-quality perfecting.**

The **Swing and Shift technology** ensures this register accuracy right up to the banner format.

In the feeding tray, **sensors and air support** prevent the infeed of double sheets.

Vacuum suctiontapes ensure safe processing **of a wide variety of printing materials.**

Further information and technical details about the Versafire LP can be found here:
heidelberg.com/en/versafire-lp

Simply different.
Prinect Digital Frontend.

Intelligent automation makes working easy and intuitive. That's why we developed the Prinect Digital Frontend for the Versafire – as a smart control center for short production times, quick job changes and personalization.

Key features at a glance

- Flexible and intuitive user interface
- WYSIWYG imposition standard
- Automatic creation of ICC profiles
- Flexible insert-function of preprinted sheets for mixed media production
- Automatic PDF pre-flighting
- PDF/JDF-based controller for Versafire
- Standalone or integrated into the Prinect Production Manager
- WYSIWYG variable data printing
- Configuration of inline finishing equipment
- MIS and web-to-print connectivity
- Spot color matching functionality (1 A4 sheet for all spot colors)
- Third party connectivity via JDF or hotfolder option (DPM)
- Very flexible Insert Functionality

Transparent Production

Short production times, fast job changes, and personalization – the Prinect Digital Frontend was specifically developed for the Versafire digital printing systems.

The WYSIWYG operating concept already gives the operator full control of the printed sheet during creation of the job and minimizes the number of test printouts.

The Prinect Digital Frontend supports the standardization of production. All steps – including job creation, preflight checking, color management, and impositioning – can be automated to optimize costs.

heidelberg.com/en/prinect-digital-frontend

Technical data.
Prinect Digital Frontend.

Technical data	**Prinect Digital Frontend for Versafire LV and Versafire LP**
DFE hardware LV	Windows 10 Pro Enterprise LTSC Intel® Core™ i7-8700 Processor 3.2 GHz with 4.6 GHz Turbo and 64 GB RAM SSD: 1 x 512 GB HDD: 1 x 1 TB
DFE hardware LV S and LP S	Windows10 Pro Enterprise LTSC Xeon 4214 (Silver)2.2 GHz with 3.2 GHz Turbo and 96 GB RAM SSD: 1 x 512 GB HDD: 2 x 2TB
Video LV and LP	2x Display Port, 1 × DVI
Video LV S and LP S	1x HDMI Port, 1 × DVI
Standard features	Job-based processing, PS or PDF preflighting, manual page sorting (page list), visual imposition based on PDF trim box, Prinect renderer, Adobe Print Engine spot color matching with spectrophotometer, hotfolder functionality, InRip trapping, job export and import, thin elements/font optimization
Integration	Prinect Integration System, Prinect Prepress Manager, Prinect WebShop, Prinect Business Manager (MIS)
Options/upgrades	**Prinect Production Manager** incl. automatic version upgrades, automatic page positioning (APP) for page lists, and many other features. **Prinect PDF Toolbox – PDF Assistant Plus** with Coating Editor, Object Editor. Barcode and VDP Editor, Geometry Control, Separation Control, Document-Monatage; **Color Editor** incl. Spotcolor Editor; **Trap Editor** for interactive PDF trapping. **Prinect Color Toolbox** for ICC generation, **Digital Print Manager** (DPM) for control of multiple Versafire or other digital presses
Postpress integration	Automatic presetting of POLAR cutter
Variable data printing	PDF-VT, PPML; optional Prinect PDF Toolbox – PDF Assistant Plus incl. Barcode, VDP Editor and Page Assembly
User interface	3 × Prinect Digital Cockpits, WYSIWYG, interactive imposing with live preview
Print job control	Digital Print Terminal in Prinect Cockpit and Versafire touch panel
Color management	ICC profile-based color management, visual ICC profile and color correction, automatic inline calibration support; 30 Pantone color tables, 4 HKS color tables, unlimited number of user-specific colors, spectrometric and visual color matching of spot colors, automatic ICC-Profile generation*
Supported file formats	PS, PDF, TIFF, JPG
Miscellaneous	Full remote support via WebEx, automatic remote upgrade via Prinect Maintenance Center, IP4 and IP6 support
Dimensions (W × H × D)	193 × 424 × 525 mm (7.6 × 16.7 × 20.7 in)

* Additional equipment required: Konica-Minolta FD-9, XRite i1 iSis 2 XL

Simply perfectly prepared.
Prinect PDF Toolbox.

The Prinect PDF Toolbox significantly simplifies your daily work with PDFs from a wide variety of sources. Optimize your production process with a variety of powerful tools to edit PDF files effortlessly.

PDF Assistant PLUS Suite
A kit with extensive tools, tailored to the specific requirements of digital printing.

PDF Assistant
Powerful tools for checking and correcting PDF documents for error-free print production with preflight, PDF VT control, page assembly, definition of page geometry and register as well as PDF comparison function.

Coating Editor
Automatic creation of special color layers in PDF documents.

Object Editor
Display and processing of objects or objects parameters in PDF documents.

Document Assembly
Offline compilation of PDFs into complete jobs including media and register adjustments.

Page Assembly & Barcode & VDP Editor
Creation of variable identification and production barcodes (EAC/UPC/Data Matrix) directly in the PDF document as well as creation of simple variable PDF/VT documents.

heidelberg.com/en/prinect-pdf-toolbox

PDF/VT creation
Professional tool for personalized content

Color management
Cross-media help with color check and optimization

PDF boxes and sizes
Security during the assembly and output of PDF print sheets

How can we help you?
Get in touch with us.

We hope that this brochure will inspire you. There is more we can tell you about how we could make your printing business more efficient and profitable.

If you are interested in the **Versafire LV or Versafire LP** or would like to learn more about what we can offer, feel free to **contact us.** We're only ever an e-mail or phone call away.

Reach us by email
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Photographs: Heidelberger Druckmaschinen AG
Printing: Versafire LV
Workflow: Prinect Digital Frontend

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