

# Digital meets industrialization. Into the future with inkjet.<sup>(1)</sup>

## Flexibility

Competitive at

**run length 1** 

Versioning through to fully **variable content**.

## Productivity

Peak Performance Technology of the **XL 106 platform** could print up to

**1.5 million**

**7/0 sheets per month** in future productivity modes.<sup>(2)</sup>

**Proven operating concept** and complete Prinect Workflow integration.

The perfect combination of **business innovation** and operational excellence.

**Industrial inkjet** in **75 × 106 cm** (29.53 × 41.73 in) maximum format for the widest variety of applications.

## Ecology

The **water-based inkjet printing** meets strict environmental and recycling requirements and also conforms to the

**Swiss Ordinance.** 

## Quality

Perfect placement of


**> 12 Billion**  drops per sheet.

**1,200 × 1,200 dpi** native resolution achieves **highest printing quality**.

**7 Process colors** with 175 print heads.

**Pantone color gamut coverage** up to

**95 %**

achieved through Heidelberg Multicolor Technology. 

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For details on the emissions of the Primefire 106, please visit us at [heidelberg.com/emissiondetails](http://heidelberg.com/emissiondetails)

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## Equipment

# Digital production made by Heidelberg. Primefire 106



# Raise the bar. Primefire 106

Grow your business by entering the next generation of digital printing with Primefire<sup>®</sup> 106. Get ahead of the curve and enable your operation to master custom packaging, fast product launches, recyclability and environmental sustainability. Our new inkjet system in 70 × 100 cm format with proven Heidelberg<sup>®</sup> Multicolor Technology enables truly industrialized digital printing.

The innovative digital printing system combines the best of both worlds: flexibility and versatility of digital printing and reliability and precision of the Peak Performance class in offset printing. This is made possible through cutting-edge drop-on-demand Fujifilm Inkjet Technology, Heidelberg's best in class press technology and of course full integration into the Prinect<sup>®</sup> workflow.

Primefire 106 drives significant shopfloor process optimization. It not only enables you to master shrinking runs and increasing variants, but also to respond immediately to changing customer requirements such as different language versions, packaging sizes and last minute revisions.

Discover the efficiency and cost effectiveness for yourself. The 7-color inkjet system covers up to 95 percent of the Pantone<sup>®</sup> color space in outstanding quality. The water-based fluids used are compliant with the Swiss Ordinance – a must-have for the production of low-migration food packaging.

Count on Primefire from Heidelberg – and partner with the best. Because it is the seamless integration of people, machines, data, services, and materials that enables us to provide an offering which raises the bar on performance.

<sup>(1)</sup> see reverse  
<sup>(2)</sup> assuming 3 shift operation



# The next level of integration. Digital printing from Heidelberg.

Our digital portfolio provides cutting-edge printing systems for intelligent print shop operation, ensuring seamless integration in your existing production workflow.

Flexible solutions with major benefits for you and your customers – from printing top-quality at very short customized runs to new applications such as personalized printing on a wide range of objects.



## Synerjetix: Inkjet know-how from Heidelberg.

Powerful technology partnerships, workflow integration and state of the art process engineering for the interplay of printhead, ink and substrate. For your creativity in an industrial environment.



Princt Digital Center Inline with proven Heidelberg operating concept and Perfect Stack Technology for fast and reliable processes.



For reliable and sustainable printing processes:

### Print Color Management Services

- Full service offering, ranging from consulting through to implementation and ISO 12647-2 certification
- Proof of highest standard of color integrity and repeatability towards customers
- Printing process optimization results in higher quality
- Shorter makeready times and reduced waste
- Improved workflow and staff training

→ [heidelberg.com/en/color-management](http://heidelberg.com/en/color-management)



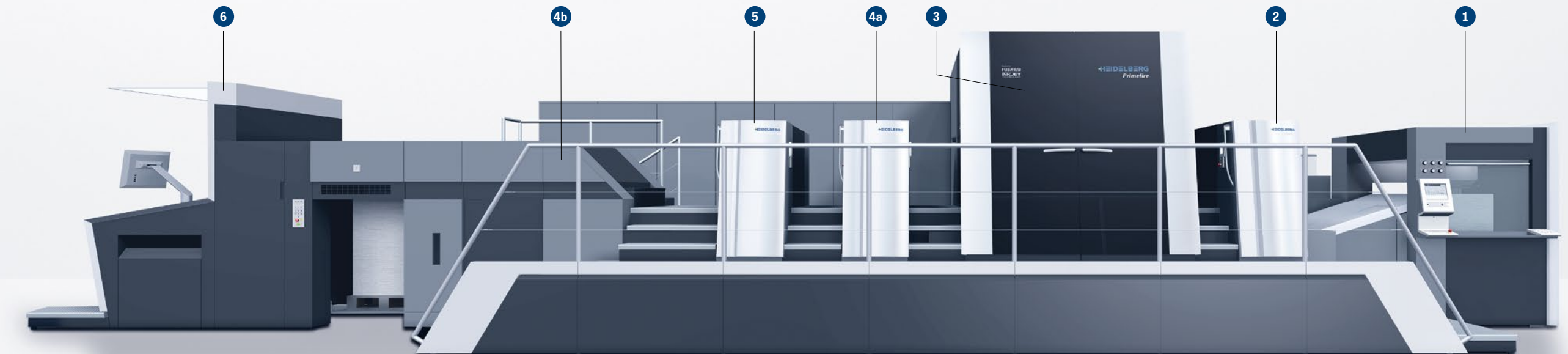
High quality for the workflow:  
Saphira Digital Consumables

- Complete range of consumables for our digital systems (e.g. waterbased inks and fluids)
- High-quality original materials exactly matched to the individual digital systems
- Saphira Consumables for Primefire are powered by Fujifilm Inkjet Technology
- Available from the online shop or through our help desk

→ [heidelberg.com/en/saphira-digital](http://heidelberg.com/en/saphira-digital)

# Outstanding characteristics. The facts at a glance.

Exceed the expectations of your customers and grow your business through cost effective short run and variable data applications, stunning print quality and optimal production workflows.



## Equipment:

- Fujifilm Dimatix SAMBA inkjet head technology
- Unique sheet transport system for non-stop operation and unbeatable registration
- Princt Digital Center Inline for fast, process-oriented setup and maximum user friendliness
- Princt Digital Frontend ensures seamless integration into any existing prepress workflow

## Basic specification:

Max. sheet size:	750 × 1,060 mm (29.53 × 41.73 in)
Min. sheet size:	470 × 480 mm (18.50 × 18.90 in)
Printing mode:	Simplex

## Current configuration:

Substrate weight:	170 – 450 g/m <sup>2</sup>
Substrate thickness:	0,2 – 0,6 mm
Colors:	7 (CMYK + OGV)
Coating:	Inline waterbased coating; UV-based coating or alternating operation (2 circuits) optional

## System highlights:

- 7-color inkjet system covers up to 95 percent of the Pantone color space with Multicolor technology
- Native resolution of 1,200 × 1,200 dpi for maximum printing quality at 2,500 sheets per hour
- Reliability of the Peak Performance class together with embedded inkjet technology could enable production volumes of up to 1.5 million 7/0 sheets per month in future productivity modes
- Suitable for food compliant production
- Environmentally friendly machine sets standards in recyclability and sustainability
- Secure investment and value retention thanks to future-oriented technology and the highest level of automation

Powered by  
**FUJIFILM**  
**INKJET**  
TECHNOLOGY

Above configuration specs expected to be enhanced after general availability.

The press shown is a sample configuration and sample drawing. Some of the equipment features mentioned are optional.

## 1 Feeder

The proven Preset Plus feeder handles all the format and air settings required for stable sheet travel.

## 2 Conditioning unit

The conditioner prepares the substrate surface for the water-based inkjet printing and produces highest dot sharpness for a precise printing result.

## 3 Inkjet unit

The jetting unit, powered by Fujifilm Inkjet Technology, offers space for seven printhead modules. The CMYK color space can be extended by orange, green, and violet. With the Heidelberg Multicolor Technology almost all common special colors are thus covered.

## 4 Dryer system

The DryStar® drying system fully cures the ink and coating. This means that the sheet can go into postpress immediately without any loss of time.

## 5 Coating unit

The conventional coating unit with CoatingStar® (optional) for pulsation-free coating delivery and integrated coating conditioning is compatible with water-based and UV coatings.

## 6 Princt Digital Center Inline with Perfect Stack-Technology

Together with the Princt Digital Frontend the Princt Digital Center Inline features the proven Heidelberg operating philosophy and seamlessly integrates your machine into process flows. A particular highlight: With the Perfect Stack Technology only perfect good sheets are placed. Furthermore test sheets will be output directly to the operator panel at the push of a button.

→ You can find more about the details here:  
[heidelberg.com/en/primefire-106](http://heidelberg.com/en/primefire-106)