

# Heinrich

Modular converting with flexo, die-cutting, screen printing and cold foil. Expandable step by step.



Web width up to

520 mm

Speed

120 m/min

Unwind Ø

800 mm

Rental programme

Platinum

## Technical data

|                |                                     |
|----------------|-------------------------------------|
| Max. web width | 520 mm                              |
| Max. speed     | 120 m/min                           |
| Max. unwind Ø  | 800 mm                              |
| Max. rewind Ø  | 700 mm                              |
| Dimensions     | Variable depending on configuration |

## Application and equipment

|                       |                                                                                                                                    |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Business area         | Converting                                                                                                                         |
| Machine type          | Modular                                                                                                                            |
| Web width classes     | 120 mm (Desktop), 220 mm (Compact), 330 mm (Standard), 350–370 mm (Extended), 420 mm (Mid-Volume), 450 mm (Special), 550 mm (Pro)  |
| Applications          | Overprinting, Label converting, Hot foil stamping, Cold foil embellishment, Varnishing / embellishment, Die-cutting                |
| Printing technologies | Flexo printing (semi-rotary), Flexo printing (full rotary), Screen printing, UV inkjet                                             |
| Die-cutting methods   | Semi-rotary, Full rotary                                                                                                           |
| Embellishment         | Corona treatment, Hot foil, Cold foil (semi-rotary), Lamination, Embossing, Register lamination, Spot varnish, UV varnish (inkjet) |
| Cutting methods       | Autoslitter (software-controlled), Crush knives, Razor blades, Shear cut (automatic), Shear cut (manual)                           |
| Industries            | Chemicals, Food & Beverage, Industrial / automotive, Cosmetics / beauty, Pharma / healthcare                                       |

## Description

The Heinrich is the modular converting platform from PrintsPaul and the flagship of the entire converting line. Internally it is also called PPMDF. It is designed for label and packaging producers who need maximum flexibility in roll-to-roll finishing.

The basic principle of the Heinrich is consistent modularity. All available modules can be combined freely and retrofitted later as requirements grow. A user can start with a simple standard configuration of flexo printing unit, die-cutting unit, waste matrix stripping and slitter, and expand the machine step by step without buying a new line.

Standard equipment includes an electronically controlled web edge guide, waste matrix stripping using the proven snowball system and two independently operating rewinders, which can also be configured as a semi-turret. Four different cutting systems are available for slitting, including an autoslitter option with automatically adjustable circular knives that considerably reduces set-up times.

The range of available modules makes the Heinrich unique. It can be fitted with a full or semi-rotary flexo printing unit that can be used for varnishing, overprinting and cold foil application. The full or semi-rotary die-cutting unit works with a magnetic cylinder. A specially designed laminating unit allows both classic cold foil applications and register-accurate lamination in semi-rotary mode. For embellishment there is a screen printing module for spot colours, varnishes and coatings, as well as a hot foil unit with a stamping head that rotates by 90 degrees and can even place holograms in register. An inkjet unit completes the set-up and can be used for digital embellishment with spot varnish, for cold foil application or as an overprinting system with black or white ink.

The machine is operated via a large, movable 10-inch colour display with German-language user guidance. As the display can be moved along almost the entire length of the machine, the operator always has both the display and the relevant module in view.

The Heinrich processes web widths of 330, 420 and 520 millimetres, although not every module is available in every width. In full rotary mode it reaches speeds of up to 120 metres per minute, in semi-rotary mode up to 60 metres per minute. The entire machine is fully servo-driven.

Unique on the market is the option to die-cut rectangular labels up to a length of 2,000 mm, depending on material and application. This mode not only opens up new fields of application but in many cases also reduces die-cutting costs by approx. 30 %.

Highlights of the Heinrich:

- intuitive user guidance
- fully servo-driven
- freely configurable modules
- available in various working widths
- can be expanded with modules later

## Recommended extensions

- Missing Label Detection
- PrintsPaul LED UV lamp
- Heinrich flexo printing
- Heinrich die-cutting unit
- Heinrich rewind
- Heinrich unwind
- Heinrich hot foil stamping
- Heinrich screen printing unit
- Inkjet module
- 5-STAR printing system

### RENT-TEST-BUY @PAUL

Rent the machine, produce under real conditions and decide afterwards. If you buy, part of the rent is credited.

[prints-paul.com/ar/maschine/heinrich](https://prints-paul.com/ar/maschine/heinrich)

### Consultation and quotation

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Despite careful checking, all information is provided without guarantee. Values depend on configuration and equipment. Subject to technical changes.