Optimized Pilot Unit — The Result of Continuous Upgrading and Refinement

The new Concepta printing unit offers superior print quality, convenient operation and easy access. The high-quality inking system with its three ink-form rollers and temperature-controlled oscillating rollers ensures optimum ink coverage for the entire speed range.

Atractively Priced Alternative to a Shaftless Machine

Thanks to the optional separate drive, make-ready can be done for each of the printing units independently. This saves valuable time during set-up and changes.

Individual set-up procedures:
> Washing the ink fountain
> Inking up
> Plate changing
> Register positioning
> Blanket changing and cleaning

New Sliding Key Ink Fountain with Remote Ink Control Feature

The high-precision sliding key ink fountain has a motorized ink zone remote adjustment feature already integrated into the machine control system, which is operated via the touchscreen.

Flexibility Thanks to Insert Technology

> Large size range from 14” to 281⁄3”
> Printing inserts for... in perfect quality at the highest speeds.

Individual set-up procedures:
> Washing the ink fountain
> Inking up
> Plate changing
> Register positioning
> Blanket changing and cleaning

Technical Data

Concepta

Web width
500 mm

Printing width
505 mm

Printable format range
14” – 281⁄3”

Inch认真学习
1⁄16”

Min roll diameter
725 mm

Min printing area
38 x 14”

Minimum range
40 – 250 µm

Web length zero
40 – 170 g/m²

Machine speed
305 m/min (1000 ft/min)

Printable format range 14”– 281⁄3”

Web width 520 mm

Technical specifications are subject to change.

Sales and Service

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Concepta Web Offset Press

Efficiency and Flexibility
for the Most Demanding Requirements
Concepta – Fast Make-Ready Process with Minimal Waste

The trend from long toward medium to short runs is noticeable. At the same time, customer quality demands are constantly increasing. In order to be able to produce small jobs cost-effectively, printers need a machine concept offering high production flexibility and advanced control technology with intelligent software.

High Level of Automation
If the control is integrated into the printing plant workflow via the CIP standard, the significantly reduce make-ready time and waste. The machine is automatically preset using the data read from the make-ready system.

Integrated Ink Zone Control with CIP34 Connectivity
The ink zones are pre-adjusted via the standard CIP34 process connectivity. Fine corrections performed by the operator are transferred to the substrate with quick reaction. A note appears on the screen as soon as the ink change is measurable in the delivery. This prevents subsequent correction that are not necessary, thus avoiding unnecessary waste.

Versatility Knows No Limits
Customized solutions can be implemented thanks to its highly modular design, with up to 12 offset printing units and integration of flexo, screen and digital printing. Modular changes without tools and special integrated units in the area of inline finishing provide almost special integrated units in the area of Module changes without tools and digital printing.

The versatile concept offers high production flexibility and advanced control technology with intelligent software.

Target markets:
- Forms and sheet products (4W)
- Markings
- Security printing
- Pharma printing
- Labels
- Advertising supplements
- Tickets

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Concepta – Fast Make-Ready Process with Minimal Waste

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High Level of Automation
If the control is integrated into the printing plant workflow via the CIP standard, this significantly reduces make-ready time and waste. The machine is automatically preset using the data read from the make-ready system.

Integrated Ink Zone Control with CIP3/4 Connectivity
The ink zones are pre-adjusted via the standard, this significantly reduces make-ready time and waste. The operator are transferred to the substrate with quick reactions. A note appears on the screen as soon as the ink change is measured in the delivery. This prevents subsequent corrections that are too early, thus avoiding unnecessary waste.

Unwind with Web Edge Control
For rolls with a diameter of up to 1370 mm (50”), re-insertion capability available.

Printing Units
Three-application rotors and temperature-controlled oscillating rotors ensure optimum printing quality.

Blanket Wash-Up System
As a standard feature, all printing units are designed to allow a blanket wash-up unit to be added.

UV Curing
Optimum web guiding in UV curing for varying requirements.

Remote Ink Zone Control
Precise sliding key ink fountain with fully integrated automation, easy touch-screen operation and optional closed-loop color control.

Insert Changing System
The rock-stable and rail system allows fast insert changes without tools.

Flexo Insert
The variable flexo insert can be used to convert any offset unit into a flexo unit. This way, additional customer requirements such as scratch-off and decorative inks can be easily satisfied.

Applications involving scratch-off such as varnishing or the application of scratch-off can be easily satisfied.

Target markets:
- Forms and sheet products (4/4)
- Booklets
- Security printing
- Pharma printing
- Labels
- Advertising supplements
- Tickets

Option: CIP4 Sheeter with Unistack
The CIP4 Sheeter with Unistack is the ideal combination for a large sheet and batch delivery with sheet length up to 28½” (720 mm) and a maximum stack height of 600 mm.

Option: CIP4 Sheeter with Integrated Stacker
The compact sheeter with integrated stacker is perfectly suited for web widths up to 520 mm (20½”) and sheets up to 432 mm (17”) in length.

Option: Flexo Printing Unit
A flexo printing unit can be inserted in any position for flexo printing and varnishing.
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Integrated Ink Zone Control with CIP3/4 Connectivity
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Integrated Stacker
The compact sheeter offers high production flexibility and advanced control technology with intelligent software.

Remote Ink Zone Control
Precise slidding ink fountain with fully integrated automation, easy touch-screen operation and optional closed-loop color control.

Ink Zones
Automatic ink zone controls are available for up to 12 printing units.

Remote Ink Change
The variable-format flexo printing tower that is easy to integrate.

Variable Data
The convenient quick-set system and automatic register positioning for printing units result in short make-ready times.

Customized solutions can be implemented thanks to its highly modular design, with up to 12 offset printing units and integration of flexo, screen and digital printing.

Module changes without tools and special integrated units in the area of inline finishing provide almost unlimited possibilities.

Target markets:
- Forms and sheet products (4K)
- Mailings
- Security printing
- Pharma printing
- Forms and sheet products (4K)
- Advertising supplements
- Labels
- Tickets

The trend from long toward short runs is retraceable.

At the same time, customer quality demands are constantly increasing. In order to be able to produce small jobs cost-effectively, printers need a machine concept offering high production flexibility and advanced control technology with intelligent software.

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Optimized Pilot Unit – The Result of Continuous Upgrading and Refinement

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Attractively Priced Alternative to a Shaftless Machine
Thanks to the optional separate drive, make-ready can be done for each of the printing units independently. This saves valuable time during set-up and changeover. Individual set-up procedures:
- Washing the ink fountain
- Plate changing
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New Sliding Key Ink Fountain with Remote Ink Control Feature
The high precision sliding key ink fountain has a motorized ink zone remote-adjustment feature already integrated into the machine control system, which is operated via the touchscreen.

Flexibility: Thanks to Insert Technology
- Large size range from 14” to 28⅓”
- Printing inserts for... in perfect quality at the highest speeds.
- Exposure to the unique total solution for... in all performance classes – automate print and print finishing.

Technical Data

<table>
<thead>
<tr>
<th>Technical Data</th>
<th>Concepta</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web width</td>
<td>508 mm</td>
</tr>
<tr>
<td>Printing width</td>
<td>515 mm</td>
</tr>
<tr>
<td>Machine speed</td>
<td>305 m/min</td>
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<tr>
<td>Web width</td>
<td>520 mm</td>
</tr>
<tr>
<td>Web length zero</td>
<td>40 – 170 g/m²</td>
</tr>
<tr>
<td>Substrate range</td>
<td>40 – 250 µm</td>
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<tr>
<td>Offset printing press</td>
<td>36 = 14”</td>
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<tr>
<td>Web length zero</td>
<td>40 – 170 g/m²</td>
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<tr>
<td>Machine speed</td>
<td>365 metres (1200 ft/min)</td>
</tr>
<tr>
<td>Web length zero</td>
<td>365 metres (1200 ft/min) as an option</td>
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</tbody>
</table>
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Flexibility Thanks to Insert Technology

- Large size range from 14” to 28 1/3”
- Printing inserts for:
  - Web offset
  - Dry offset
  - Flexo printing
  - Numbering
  - Letterpress
  - Varnishing
  - Security printing
- Rail system for:
  - Insert change is only three minutes
  - High operational safety
  - Tool-free handling

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<table>
<thead>
<tr>
<th>Concepta</th>
<th>Web Offset Press</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web width</td>
<td>580 mm</td>
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<tr>
<td>Printing speed</td>
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<td>Printable format range</td>
<td>14” – 28 1/3”</td>
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<td>Substrate range*</td>
<td>14” – 20 5/8”</td>
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<tr>
<td>Maximum roll diameter</td>
<td>720 mm</td>
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<td>Offset printing press</td>
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<td>Substrate range**</td>
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<td>Web length zero</td>
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<td>Machine speed</td>
<td>305 metres (1000 feet)</td>
</tr>
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<td>Blanket change time</td>
<td>300 metres (1000 feet) as an option</td>
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</tbody>
</table>

*These values are subject to change. Design and equipment configuration opened for illustrative purposes. In some cases, protective covers in photographs have been omitted or opened for illustrative purposes. Design and equipment configuration are subject to change.

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