

Concepta Web Offset Press

Efficiency and Flexibility
for the Most Demanding Requirements



GOEBEL

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.

Target markets:

- E Forms and sheet products (A4)
- E Mailings
- E Security printing
- E Pharma printing
- E Labels
- E Advertising supplements
- E Tickets

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

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

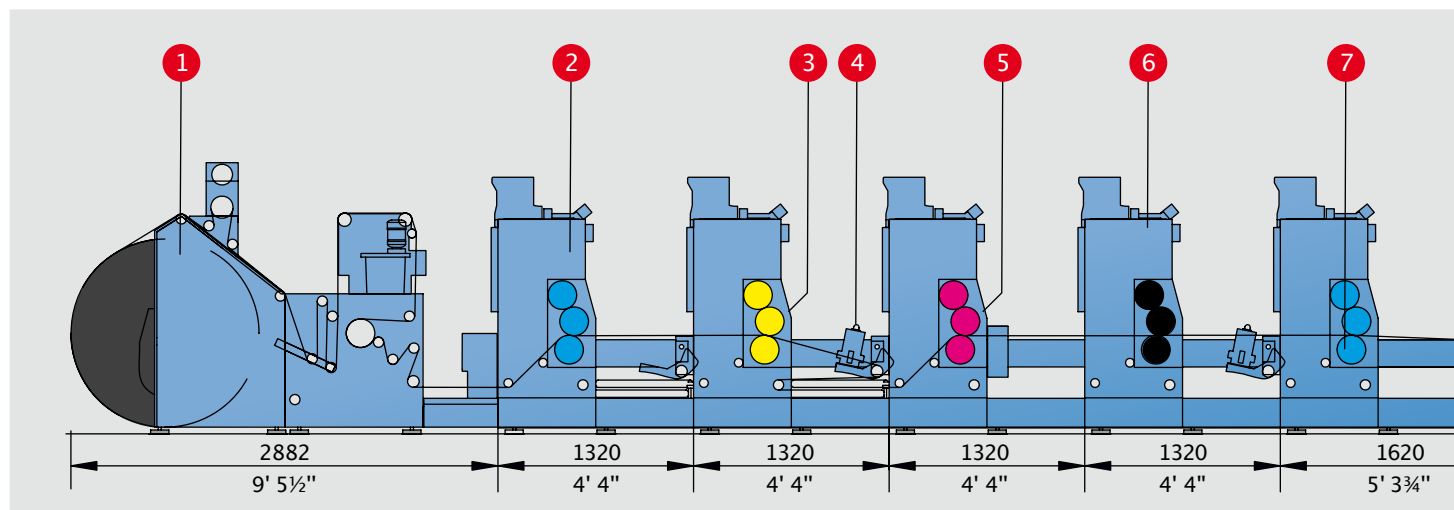
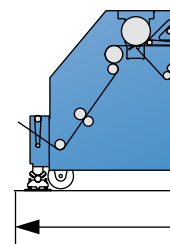
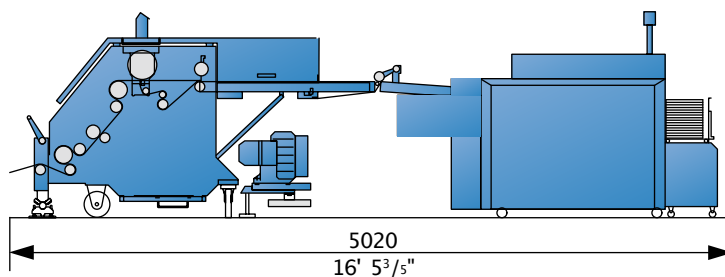
The ink zones are pre-adjusted via the standardized CIP3/4 prepress connectivity. Fine corrections performed by the operator are transferred to the substrate with quick reactions. A note appears on the screen as soon as the ink change is measurable in the delivery. This prevents subsequent corrections that are too early, thus avoiding unnecessary waste.



Option:

Q74 Sheeter with Unistack

The Q74 sheeter with Unistack is the ideal combination for a large sheet and batch delivery with sheet lengths up to 28¹/₃" (720 mm) and a maximum stack height of 600 mm.



1
Unwind with Web Edge Control
For rolls with a diameter of up to 1270 mm (50"). Re-insertion capability available.



2
Printing Units
Three application rollers and temperature-controlled oscillating rollers ensure optimum printing quality.



3
Blanket Wash-Up System
As a standard feature, all printing units are designed to allow a blanket wash-up unit to be added.



4
UV Curing
Optimum web guiding in UV curing for varying requirements.



8
Cooling Station
When temperature sensitive substrates are used, the UV heaters are mounted on a chill roller.



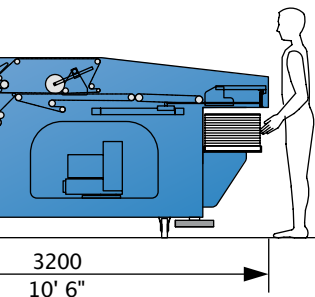
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Register and Ink Control
Automatic register control and in-line ink density control functions enable rapid setup times and optimum circulation stability.



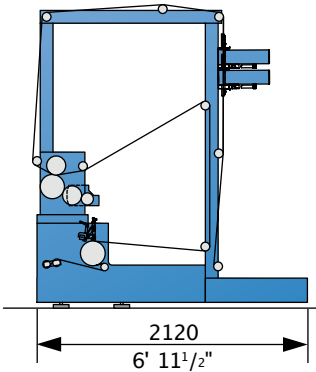
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Processing Unit
The convenient quick-set system and automatic register positioning for printing units result in short make-ready times.



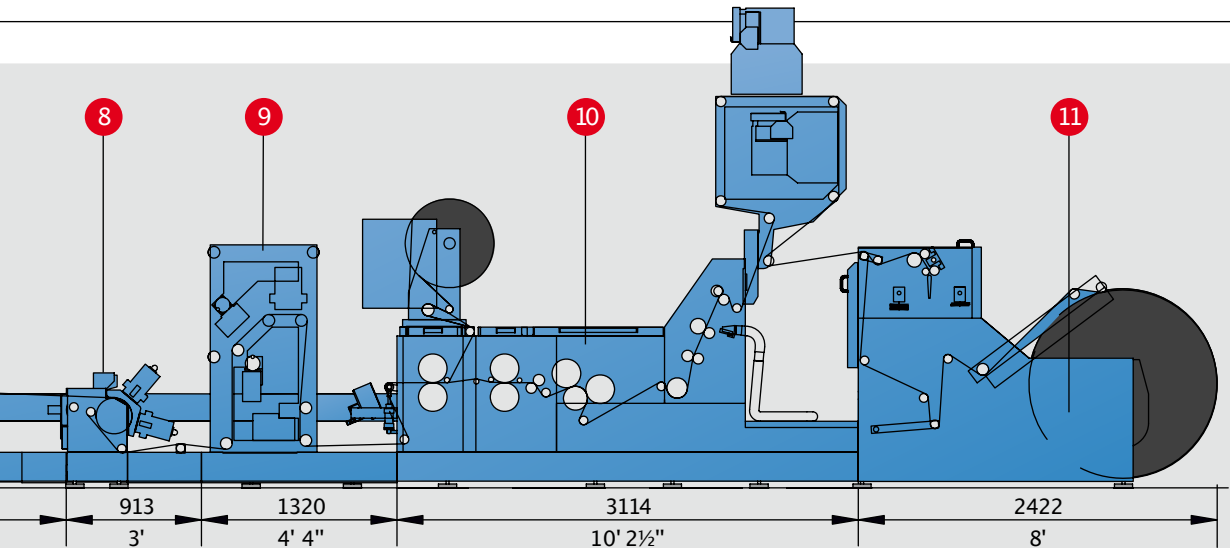
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Rewind
The electronically controlled web tension enables the processing of a broad range of substrates.



Option:
QS52: Sheeter with Integrated Stacker
 The compact sheeteer 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 integrated at any position for flexo printing and varnishing.



Insert Changing System
 The rack storage and rail system allows fast insert changes without tools.



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



Flexo Insert
 The variable-format flexo insert can be used to convert any offset unit into a flexo unit. This way, additional

customer requirements such as varnishing or the application of scratch-off and decorative inks can be easily satisfied.



Touchscreen Operation
 Simple, intuitive operation of the press with easy-to-follow menus.



Digital Printing Unit
 Variable data can be printed in line at full machine speed by means of a digital printing tower that is easy to integrate.



Screen Printing Unit
 Applications involving screen printing can be carried out by integrating screen printing units.



Flexo Printing Unit
 A flexo printing unit with an extended processing section can be used for high-quality flexo printing and laminating.



**Optimized Print 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.

**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:

- E Washing the ink fountain
- E Inking up
- E Plate changing
- E Register positioning
- E 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**

- E Large size range from 14" to 28½"
- E Printing inserts for
 - ☐ Wet offset
 - ☐ Dry offset
 - ☐ Flexo printing
 - ☐ Numbering
 - ☐ Letterpress
 - ☐ Varnishing
 - ☐ Security imprinting
- E Rail system for
 - ☐ Insert change in only three minutes
 - ☐ High operational safety
 - ☐ Tool-free handling





Technical Data	Concepta
Web width	520 mm 20½"
Printing width	515 mm 20¼"
Printable format range	14"-28⅓" 355.6-719.7 mm
In increments of	⅙"
Mill roll diameter	1270 mm 50"
Offset printing units	up to 12
Substrate range*	40-250 µm
Web length zero	40-170 g/m²
Machine speed	305 m/min (1000 ft/min) 365 m/min (1200 ft/min) as an option

*Special applications on request

The specifications given above are maximum values.
Achievable values under production conditions depend on the type of job,
the substrate, and product size.
Technical specifications are subject to change.

This brochure may show components that are not part of the standard equipment and are available as options only. In some cases, protective covers in photographs have been removed or opened for illustrative purposes. Design and equipment configuration are subject to change.

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