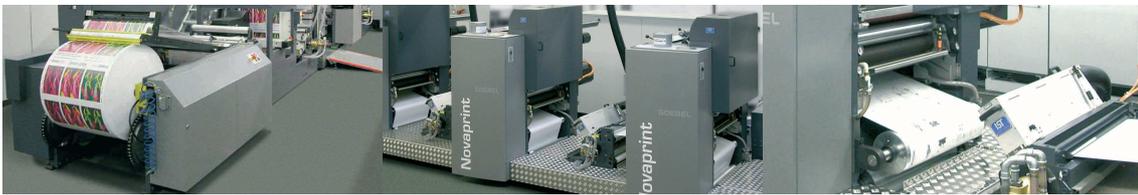


# High Performance Offset Solutions

..for a wide range of applications



# GOEBEL



# Top productivity for the future market



A high capacity web offset press with integrated ink mist exhausting system

The **GOEBEL Novaprint** is an innovative, high-capacity web offset press for the production of mailings and commercial printwork. Its assets are the operating efficiency of the newly developed print units and processing stations featuring shaftless drive technology, maximum speed during UV printing and outstanding flexibility due to their modular design. Printing and processing stations can be combined in any quantity requested.

The **GOEBEL Novaprint** is extremely user-friendly, with minimum makeready times and waste.

With a production speed of up to 450 m/min, the **GOEBEL Novaprint** truly is a high speed, UV web offset press and a profitable investment in the future.

GOEBEL - innovative and individual solutions from the reel.



Shaftless drive technology opens up new possibilities for minimizing makeready times and reducing waste

## AT A GLANCE

- ▶ innovative, high capacity web offset press
- ▶ production of mailings and commercial printwork
- ▶ production of reel to roll, sheet or fold
- ▶ maximum production speed for UV printing
- ▶ modular design for both printing and processing
- ▶ flexible as individual units can be combined as required
- ▶ shaftless drive technology in the print units and the processing stations
- ▶ very little waste
- ▶ optimum ease of operation due to GOEBEL mis
- ▶ minimum make ready times due to GOEBEL novaset
- ▶ machine presetting via GOEBEL cip3 data interface
- ▶ maximum productivity



Unwind with cutting and splicing table



Offset printing units with UV curing system



High capacity web offset press GOEBEL novaprint

#### UNWIND UNIT

- ▶ infeed with individually driven pull roll
- ▶ electrical brake generator for precise tension control
- ▶ motorized lift-in device
- ▶ electro-pneumatic coupling of the unwind shaft and the brake generator
- ▶ moves automatically into reel change position
- ▶ recognition of stock reel diameter
- ▶ pneumatic unwind shaft
- ▶ innovative, user-friendly infeed
- ▶ integrated cutting and splicing table with pneumatic clamping device
- ▶ motorized adjustment of the edge guide with centre control
- ▶ rerun unit (optional)
- ▶ web cleaning system (optional)
- ▶ declaring device with automatic adjustment (optional)

#### OFFSET PRINT UNITS

- ▶ computer optimized print units to meet the most exacting demands
- ▶ excellent print quality and speed due to shaftless drive technology
- ▶ size variable due to insert technology
- ▶ size insert with three cylinders in a linear arrangement
- ▶ fountain roller and vibrator separately driven
- ▶ fountain roller chilling (optional)
- ▶ large roller diameters for minimal ink misting tendency and excellent output
- ▶ four chilled oscillators
- ▶ roller dampening unit with skewed immersion roller
- ▶ program controlled, automatic roller wash up unit

- ▶ ink duct with segmented knives and remote ink control
  - ▶ moves automatically into position for plate and blanket change
  - ▶ automated changing of plates and blankets
  - ▶ highly efficient, integrated exhaust hood
- #### UV DRYING
- ▶ high capacity UV drier with up to 450 m/min production speed
  - ▶ drier is easy to move due to a quick change system
  - ▶ infinitely variable adjustment of lamp output

#### OUTFEED

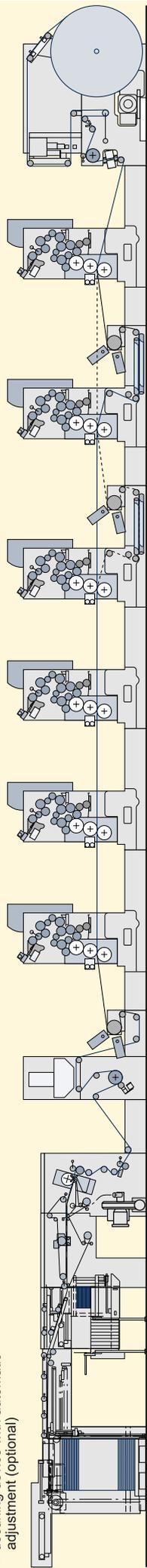
- ▶ individually driven pull roller for precise web tension adjustment
  - ▶ automatic positioning of the feed rollers
- #### SHEETER
- ▶ individual drives on cutting cylinder and pull roller
  - ▶ digital cut-off length adjustment with no need to change the size gear
  - ▶ partly automated pile change
  - ▶ various batching and stacking options
  - ▶ high pile delivery (optional)
  - ▶ trimming device (optional)

#### ADDITIONAL UNITS

- ▶ gravure printing units
- ▶ flexo printing units
- ▶ sleeve technology for size variable inserts
- ▶ sprocket-hole punching unit
- ▶ die-cutter
- ▶ cross perforating module
- ▶ rewinder
- ▶ folder
- ▶ sheeter
- ▶ blanket washing system
- ▶ remote ink control
- ▶ register control
- ▶ web video system
- ▶ UV curing system

#### DRIVES AND OPERATION

- ##### Machine control
- ▶ all the latest control technology by leading suppliers
  - ▶ quick data transfer due to bus technology for drives and machine control
- ##### Unit drives
- ▶ individual drives for greatest possible precision
- ##### Operation
- ▶ menu driven operation from the central control console
  - ▶ clear operating symbols with LCD display on each individual unit
  - ▶ GOEBEL mis PLC with digital machine control
  - ▶ GOEBEL novaset for precise presetting
  - ▶ GOEBEL cip3 interface





## Your advantages

**Print quality**  
Excellent print results by means of computer optimized ink trains

**Speed**  
High capacity web press for maximum production speed during UV printing

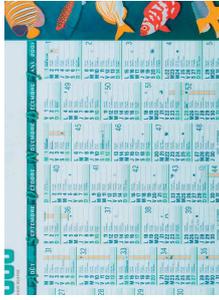
**Flexibility**  
Outstanding flexibility since the individual modules can be combined desired please and are simply retrofitted.

**Profitability**  
Highly economical production due to top production speed and a choice of printing widths

**Make Ready Times and Waste Rate**  
Minimal set up times and waste due to innovative shaftless drive technology.



CD cover



Calendar



Direct mail



Commercial printwork

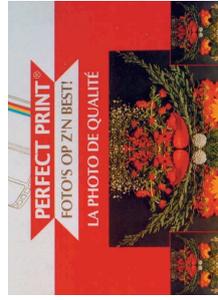


Photo wallet

## Specifications

working width	680 mm 27"	760 mm 30"
max. print width	672 mm 26.5"	752 mm 29.5"
size range	431.8 – 711.2 mm 17" – 28" (special sizes on request)	431.8 – 711.2 mm 17" – 28" (special sizes on request)
variable in steps of	1/3", 1/4"	1/3", 1/4"
max. unwind diameter	1,270 mm 50" (special diameters on request)	1,270 mm 50" (special diameters on request)
max. rewind diameter	1,270 mm 50" (special diameters on request)	1,270 mm 50" (special diameters on request)
max. speed	450 m/min 1,500 ft/min	450 m/min 1,500 ft/min
material range	50 – 250 mm (special applications on request)	50 – 250 mm (special applications on request)

The range of material comprises films and foils, paper, cardboard, self-adhesive and compound materials. These materials can be processed within a given range of thicknesses. The printability and the process stability of the materials must be guaranteed for the techniques that are going to be used.

The above output figures are maximum values. The actual output is dependent on the type of job, the size and the quality of the processed material. Technical modifications reserved.