

Cup Printer Model 560

up to 6 colours

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Van Dam

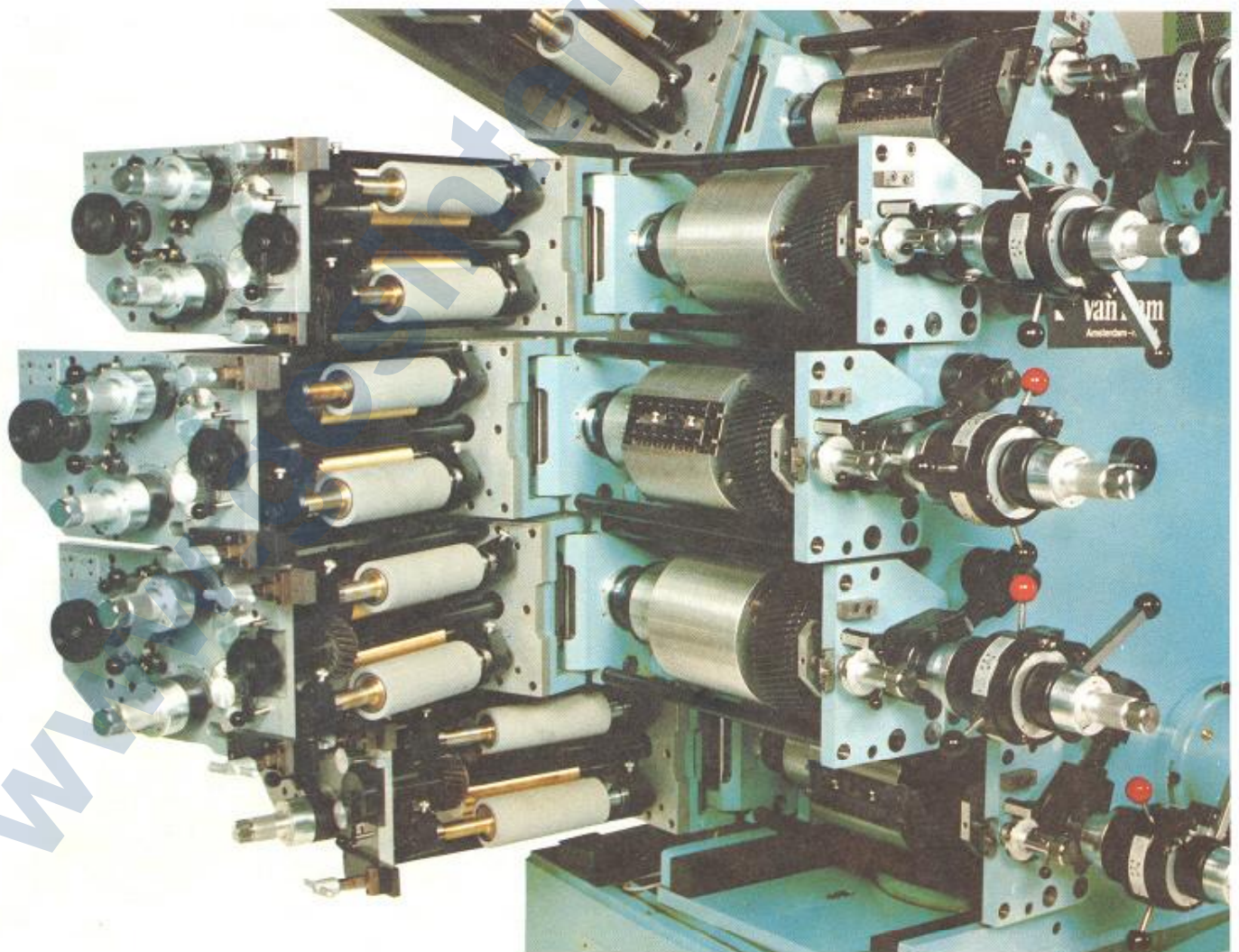
Operating company of the Bühmann-Tetterode Group

Model 560 Cup Printer

- High quality print
- High production efficiency
- Quick change-over
- Scaled settings
- Versatility

Sophisticated micrometer pressure adjustment for printing rollers and plate cylinders. Direct readout scales which can be operated from one side, also while press is running. A fast and precise setting enables the operator to print halftones with great accuracy, avoiding bleed-back and ghosting.

Each colourhead contains 8 precision ground rollers. TWO formrollers, and two external cam actuated oscillating rollers ensure perfect ink transfer to the printing plate. All six colourheads are in horizontal position and swing open for easy plate mounting and free roller accessibility. Pre-registered holes in plates with pin-bars assist the operator to register plates in a minimum of time. Optical drill-jig available. Easy axial and peripheral fine adjustments of plate cylinders while press is running (running register). Spring-loaded helical gears to avoid backlash.



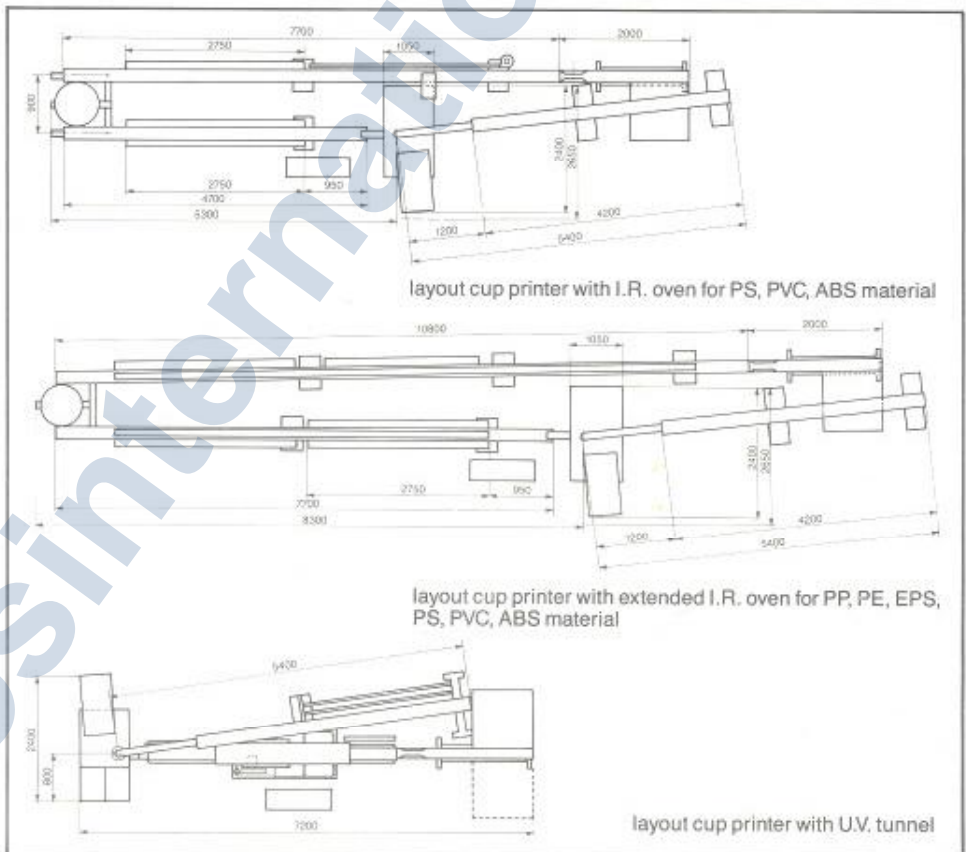
High production efficiency

The printing press is equipped with a specially designed high-speed indexing unit (barrel cam type), while the printing mandrels are of a light-weight material. Fast and accurate feeding of containers onto the printing mandrel and take-off from the mandrel are done with air and vacuum assist. An additional safety is provided by the no cup - no print device and the take-off sensor. The combination of these components not only realizes high-speed printing (up to 24.000 containers per hour), but also high production efficiency.

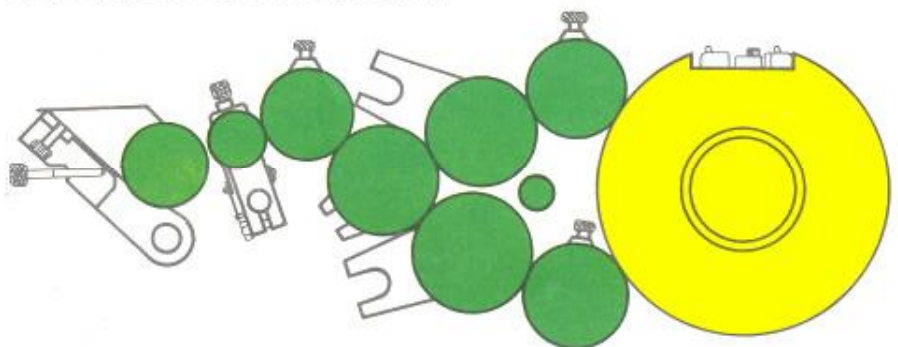
Versatility

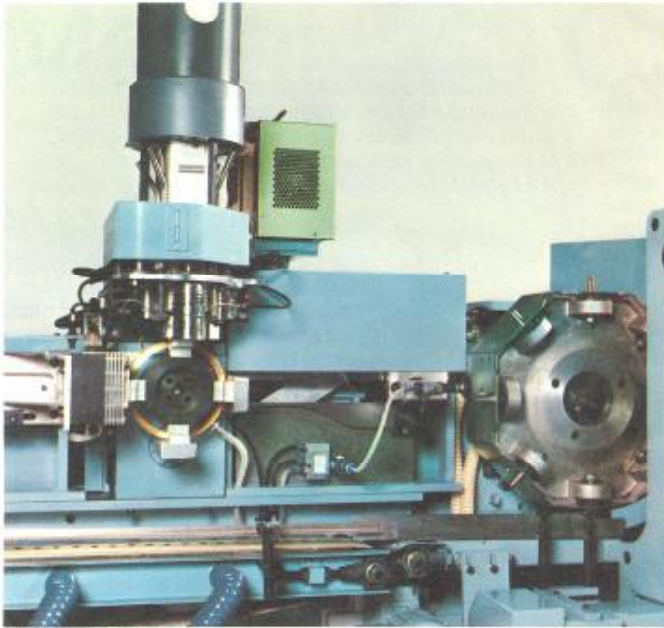
The standard model 560 can handle a large variety of round containers. In addition to this standard line the printer is offered in several configurations for handling different container shapes; or upon request the standard line can be fitted with quick-change conversion kits for these different shapes.

- type 560-L/8 - for round containers with rim dia. up to \varnothing 165 mm. Max. print length 415 mm in 4 blanket mode, 475 mm in 2 blanket mode.
- type 560-XL - for round containers with rim dia. up to \varnothing 240 mm. Max. print length 565 mm in 2 blanket mode.
- type 560-AA-L - for large rectangular containers up to rim size 150x200 mm. Max. print length 415 mm in 4 blanket mode, 565 mm in 2 blanket mode.
- type 560-RT - for printing of reversed tapered containers. Max. taper -10° .
- 560 specials - for printing of special container shapes, such as twin-cups, hexagonal, oval, oriented print between lugs, foam material (EPS), etc.

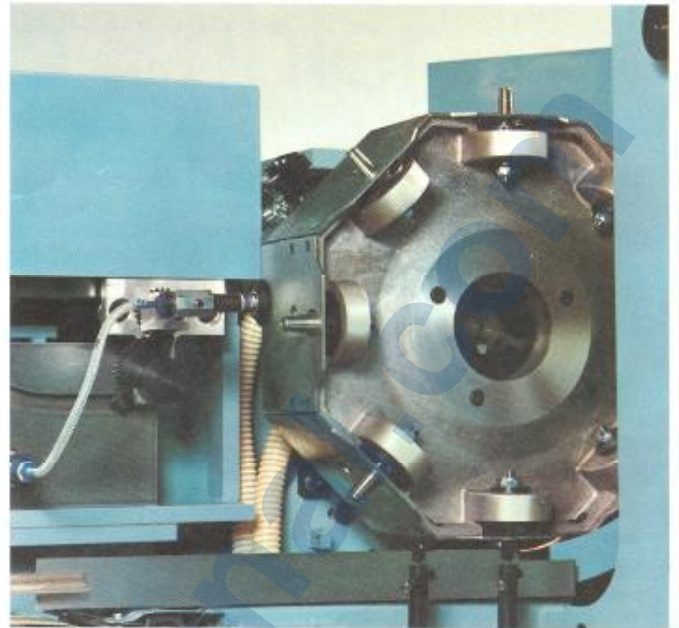


Colourhead Cross Section





560 AA-PT station



560 AA



Main drive

8,8kW variable speed
D.C. drive with acceleration
control.

Voltage

As required

Air consumption

25-35 m³/h (15-20 cfm)

Air pressure





500-1000 KPA (70-140 psi)

Weight

3500 kg (7720 lbs)

Special pre-selected ball bearings
are used, lubricated for life.
Also spring loaded gears are used,
avoiding backlash.
The line is fed from one central
power and air connection.

Machine configurations and specifics

Printer type	Container specifications			
				
	560	560-COM-6 (Curing on mandrel)	560-AA	560-AA-PT (incl. corona pretreatment)
Cup rim dimensions (mm)	∅ 50 - ∅ 133	∅ 75 - ∅ 133	max. 100x150	max. 100x150
Max. cup height (mm)	200	150	150	80
Max. taper	15°	10°	10°	10°
Max. print height (mm)	150	150	150	80
Max. print length (mm)	415	415	415	415
Printing speed up to (cph)	24.000	24.000	8.000	8.000

In our continuous efforts to improve the quality of our products all data are subject to change without prior notice.