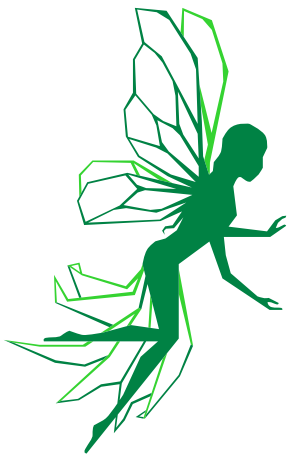




ALVAR®

FLEXO PRINTING UNITS





ALVAR®

“ AS A MAGICAL SPIRIT OF NATURE AND THE FOREST, SHE WATCHES OVER THE FLORA AND FAUNA. SHE IS A SYMBOL FOR THE FULFILMENT OF WISHES AND DREAMS. WENDT AND ALVAR: COMBINED IN PERFECT HARMONY. ”

➤ FLEXP PRINTING UNITS FROM THE ALVAR® PRODUCT GROUP – MAXIMUM PERFORMANCE MADE BY WENDT.

Our innovative products meet the high demands of our national and international customers from various industries.

This applies equally to our new product group of **ALVAR®** flexo printing units. Maximum performance, long service life, low maintenance and the optimum availability of our printing units guarantee consistent quality and cost-effectiveness in the manufacture of your products. Continuous technical developments, the use of high-quality parts and components as well as our many years of experience

are all combined to create the flexo printing units of the **ALVAR®** product group. Due to their individual conception and design, our printing units meet the very different or specific requirements of our customers and take into account the respective production and application conditions.

FULL-SERVICE

We are delighted to offer you a full service including repair & maintenance for your machines.

FLEXP PRINTING UNIT SERIES

Our high-performance flexo printing units accommodate a wide range of applications in following series:

ALVAR® speed

ALVAR® gear

ALVAR® mini

They are suitable for printing on webs made from a wide variety of materials with highly viscous water or solvent-based inks and UV inks. Due to their individual conception according to customer-specific requirements, our flexo printing units can be equipped with different ink supply systems, viscosity controls and drying systems. We supply a wide range of accessories for our printing units in the **ALVAR®** product group and can meet your individual wishes and requirements.





TECHNICAL DATA

Working width	approx. 1200 mm to approx. 2200 mm
Number of colours	1-8
Repeat	450 to 1200 mm
Drive	Servo motor on each axis
Web speed	Up to 500 m/min.
Design	Printing units in modular design (stack type), Chamber doctor blade Aluminium body (optional CFK version), pneumatically adjustable, Closed chamber doctor blade with seals, Lateral register adjustment +/- 5 mm motor-driven, Longitudinal register adjustment 360 ° motor-driven infinitely variable via control panel, PLC control Siemens S7, Screen roller as sleeve cylinder (pick-up volume according to customer's specification), Format cylinder as sleeve cylinder (optional CFK version)
Inks that can be used	High-viscosity inks based on water or solvents, UV inks
Printing materials	Almost all materials
Ink supply (according to customer specification)	Centrifugal pump system (electric or pneumatic), diaphragm pump, hose squeeze pump
Optional equipment	Hot-air/IR drying or, in the case of UV inks, UV radiation, Electronic job memory, Automatic solvent feed via viscosity control (ink feed via dip roller system not available)
Colour printing unit	RAL 9010/RAL 6018 or optional according to customer preference
Additional equipment	on request
Documentation	German (standard)
Prices	According to design or equipment on request

The printing units of our TOP **ALVAR®** speed series consist of individual printing units arranged in modular design. As full servo printing units, they boast modern PLC control technology, a functional operating panel and each individual roller is driven by a servo motor. The printing units are designed for 1 to 8 colours according to the customer's production requirements.

While the screen roller and format cylinder core remain in the press, the screen roller sleeve and format cylinder sleeve are changed quickly and cost-effectively in the press to ensure the shortest possible interruption to production. In the optionally available electronic job memory, all press-related print settings for a print job are stored in a retrievable manner for repeat execution, so that even smaller print jobs can be executed extremely economically in cases of repetition. The lateral register adjustment with controlled servo motor ensures exact positioning of the printing units. Precise longitudinal register adjustment is achieved by synchronising the speeds of the screen roller, format cylinder and impression cylinder in the press control system.



TECHNICAL DATA

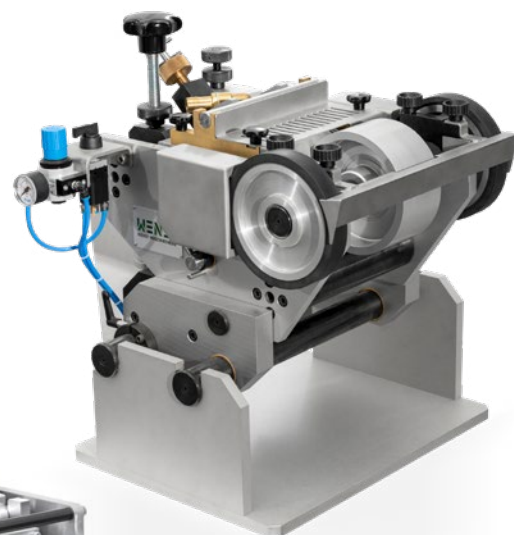
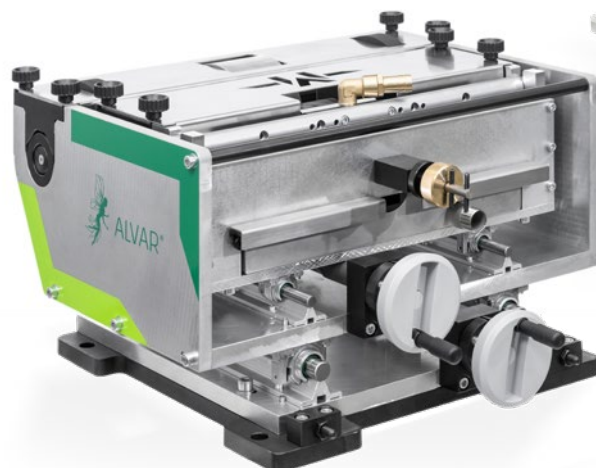
Working width	From approx. 1200 mm
Number of colours	1-8
Repeat	450 mm to 1200 mm (other formats on request)
Drive	Servo motor
Web speed	max. 250 m/min.
Design	Closed chambered doctor blade with seals, Ceramic screen roller (pick-up volume according to customer specification), Format cylinder as gluing cylinder, Lateral register adjustment manual +/- 10 mm, Longitudinal register adjustment 360° via servo motor
Inks that can be used	High-viscosity inks based on water or solvents, UV inks
Printing materials	Almost all materials
Ink supply (according to customer specification)	Centrifugal pump system (electric or pneumatic), diaphragm pump, hose squeeze pump
Optional equipment	Hot-air/IR drying or, in the case of UV inks, UV radiation, ink feed via the dip roller system, automatic solvent feed via viscosity control
Colour printing unit	RAL 9010/RAL 6018 or optional according to customer preference
Additional equipment	on request
Documentation	German (standard)
Prices	According to design or equipment on request

The printing units of the **ALVAR® gear** series feature mechanical gear wheel printing units with controlled drive thanks to minimised control technology. The force is transmitted from the impression cylinder to the format cylinder and screen roller via gear wheels and an optimum synchronisation of all rollers is achieved.

The printing units of the **ALVAR® gear** series are designed for a working width from approx. 1200 mm, with an adjustment of the maximum working width being made according to the customer's specifications. They are low-maintenance, easy to operate and can also be operated by employees without a substantial knowledge of printing. The infeed, i.e. the adjustment and fine adjustment, is carried out mechanically by hand. The printing units are equipped with a pneumatic pressure on/off function and with a continuation function, which prevents the inks from drying up during longer interruptions in printing.

Format cylinders from other printing units provided by the customer can continue to be used. We equip our printing units according to your specifications with the appropriate cylinder supports.

SERIES ALVAR® mini



TECHNICAL DATA

Working width	approx. 75 mm to approx. 600 mm
Number of colours	1
Repeat	Fixed repeat (optional from a format of 250 mm)
Drive	Friction drive optional: servo motor drive
Web speed	max. 500 m/min.(motorised drive)
Design	Closed chambered doctor blade with seals Ceramic screen roller (pick-up volume according to customer specification), format cylinder as adhesive cylinder
Inks that can be used	High-viscosity inks based on water or solvents, UV inks
Printing materials	Almost all materials
Ink supply (according to customer specification)	Centrifugal pump system (electric or pneumatic), diaphragm pump, hose squeeze pump
Optional equipment	Hot-air/IR drying or, in the case of UV inks, UV radiation, automatic solvent feed via viscosity control
Colour printing unit	RAL 9010/RAL 6018 or optional according to customer preference
Additional equipment	on request
Documentation	German (standard)
Prices	According to design or equipment on request

Our **ALVAR®** mini series comprises small, low-cost printing units with a fixed format which are equipped with a friction drive as standard or optionally with a servo motor drive. The working area is between approx. 75 mm to approx. 600 mm. The printing units are supplied with fixed repeats according to the customer's specifications. Almost all web materials can be printed.

The flexo printing units of the **ALVAR®** mini series are easy to handle and maintain. No tools are required for their operation. The printing units have a chambered doctor blade system with a sealed chamber to prevent unwanted ink leakage, ensuring optimum printing results throughout the entire printing process.

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➤ **PLEASE FEEL FREE TO CONTACT US: WE WOULD BE HAPPY TO ADVISE YOU ON OUR COMPLETE PRODUCT RANGE AND OPTIONS. OF COURSE WE TAKE YOUR PERSONAL IDEAS AND REQUIREMENTS INTO ACCOUNT.**



ADDITIONAL COMPONENTS

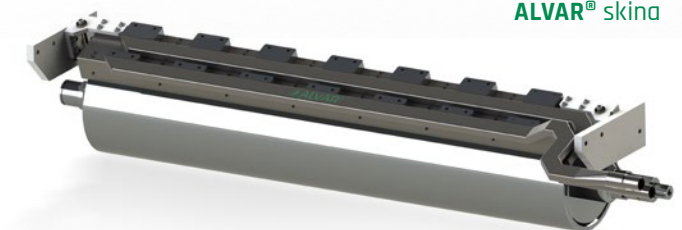
For our **ALVAR®** flexographic printing units, we supply a wide range of additional equipment and components. These are designed and produced individually according to your production requirements.

AVAILABLE PRODUCTS

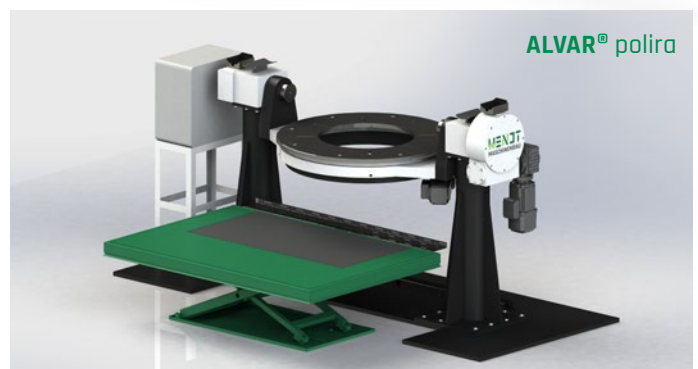
- Web turning units
- Exchanging trolley/exchanging station (Sleeves)
- Edge guiding system
- Rewinding & unwinding systems
- Dancer system
- Cantilever winder
- Pressure roll system
- Tension control
- Cylinder trolley
- Marking trolley for printing cylinders
- Foil- & paper accumulator
- Cleaning systems for anilox roller & counter impression cylinder
- Web draw units



ALVAR® slits



ALVAR® skina



ALVAR® polira