



modular | flexible | future-oriented

RADUS[®] SV-360 MP4



INKJET | VARIABLE DATA PRINT | SHEET-FED

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SHEET-FED INKJET VARIABLE DATA PRINTING SYSTEM | VDP

Highest Functionality - Lowest Life Cycle Costs

The SV-360 sheet-fed system with high resolution MP4 TIJ inkjet printing system finds its perfect use when it comes to variable print personalisation on individual sheets and documents made of paper and cardboard.

Inkjet Printing System with up to 600 dpi

The MP4 inkjet head is installed in a mounting bar and can be moved across machine direction so that any required printing position can be obtained. The well proven TIJ cartridge technology allows high-resolution and accurate imprint of variable data, texts, numbers, barcodes, 2D codes and graphics on a wide variety of single formats from absorbent and non-absorbent substrates. Due to its modular construction, the machine can be extended with increasing demand up to four Inkjet heads. For this, modules with print widths of 50,8mm (4 pen), 101,6mm (8 pen) and 203,2mm (16 pen) are available.

WYSIWYG Layout Editor

The Windows[™] based print control software has an user-friendly layout WYSIWYG editor and takes over the raster image processing of all print data. Variable content such as text, numbering and common 1D / 2D barcodes as well as graphics and logos can simply be placed via drag & drop on the layout and connected directly to the desired database field.

Feeding Systems

Various feeder and delivery systems are available, tailored to the production volumes. A vacuum rotation feeder unit is used for small to medium press runs, which pulls sheets in formats of up to 520mm x 650mm from below. The magazine capacity is accordingly limited in this case but the feeder can be refilled whilst the machine is running. The processed sheets are delivered into a delivery tray. The accurately stacked sheets can be removed during operation for further finishing.

Autonomous Times

Pile feeders and pile delivery systems can be used for large press runs and for long periods of autonomous operation; these are equipped with electrically driven stacker platforms that can be raised and lowered, each with a magazine capacity of 650 mm. Due to their maximum paper format of 520mm x 750mm, these also support the classic B2 sheets. Like the system's upgrade facility, the pile feeder and pile delivery can also be retrofitted at any time.

Pile Sheet Feeder

The vacuum rotary feeder with integrated ultrasonic double sheet control ensures consistent and smooth separation of even the most sensitive sheets.

Vacuum Transport

Vacuum transport with sophisticated guidance and paper feed ensure precise sheet positioning under the inkjet heads.

WYSIWYG Editor

Windows[™] based print control software with user-friendly layout WYSIWYG editor, database functions and print-monitor.





SPECIFICATIONS

Functions

- ✓ Feeder and transport for processing individual sheets
- ✓ Basic machine from 1 x MP4 (4 pen) Inkjet printing system
- ✓ Personalisation, variable data print, e.g. text, numbering, barcodes
- ✓ High-resolution print systems from 50.8mm
- ✓ Optional deep pile feeder and delivery - 650mm height

Basic Model SV-360 with MP4 Inkjet

Controlling	Microprocessor
Operation	Fully automatic
Controll desk	7" Touch Display
PC Print Controll	Windows™ - WYSIWYG Design Editor

Transport system

Form width	Sheet-fed 120mm up to 520mm
Form length	Sheet-fed 150mm up to 650mm with flat feeder 750mm with pile feeder
Paper weight	60 - 500g/m ² sheet-fed (with pile feeder)

Print System MP4

Print width	50.8mm (4 pen), 106.6mm (8 pen), 203.2mm (16 pen)
Resolution	600x600dpi, 600x300dpi, 300x300dpi
Print speed	up to 75m/min
Standard ink	cartridge TIJ 2.5 black water based and solvent based inks as well as different colours available
Curing	oxidative

Layout Editor

Windows based WYSIWYG layout designer
Database-based variable data printing of numbers and texts (Type-True Fonts), graphics, Logos
1D/2D barcodes, datamatrix, QR Code

Options

Vision Camera	1D/2D-Code Vision Camera - AI-powered 2.3-megapixel image sensor, autofocus integrated triple multi-illumination
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Connections

Electrical	1 phase 220-240V, 50/60Hz
Connection	
Dimensions	from 2700-4000/800/1500mm (L/D/H)
Weight	approx. from 300kg (depending on configuration)

Performance

Performance	up to 75m/min
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7" Touch HMI

Intuitive machine operation and a high level of operational safety are ensured by the easy-to-read touchscreen display with clear menu structure.

1D / 2D-Code Vision Camera

AI-powered vision camera system for verifying 1D / 2D codes. The cameras combine a high-resolution camera with artificial intelligence to verify optical codes extremely quickly and reliably.

Pile Delivery

The automatic lowered platform of the high pile delivery can be easily set to the sheet format.



For more than 60 years, our company has been manufacturing standard and customised machines for print processing and is a leading, long-established supplier to government and private security printing companies. Innovative and future-oriented concepts, in-house development and the production of highly efficient and reliable machines have established the RADUS brand name all over the world.

Arnold Herzig GmbH manufactures machines for the following applications:

Hologram, Kinegram and embedded DOVID applications, numbering and coding with security inks, labelling and variable data print personalisation using high resolution inkjet.

Product lines

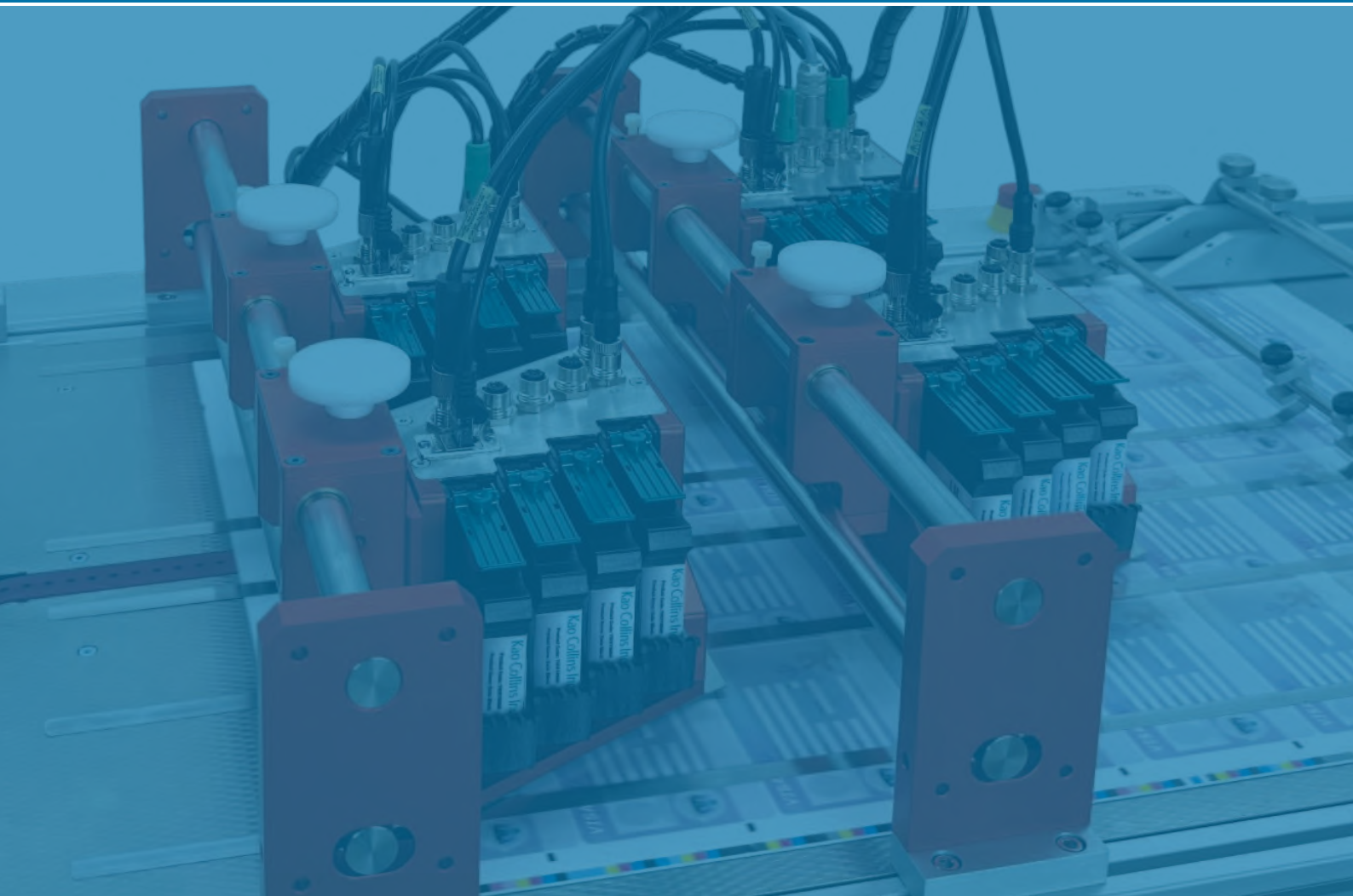
CFS Series: Continuous forms | pack-to-pack and roll-to-roll

SV Series: Sheet-fed systems | from ticket size to 52x75cm

SU Series: Imprinting and numbering heads for use on RADUS systems and as OEM device

HP Series: Hologram applicator | hot stamping heads for use on RADUS systems and as OEM device

PC Series: Embedded KINEGRAM / DOVID applicator | hot stamping heads for use on polycarbonate



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