

modular | flexible | future-oriented

# RADUS® CFS-606



NUMBERING | CODING | CONTINUOUS FORMS

# RADUS<sup>®</sup> CFS-606

## NUMBERING AND CODING SYSTEM FOR CONTINUOUS FORMS

Highest Functionality - Lowest Life Cycle Costs

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### SEQUENTIAL CRASH NUMBERING | BAR CODE | SIGNATURES

The RADUS CFS-606 covers all requirements in terms of fully automatic numbering and coding on continuous forms like business forms, NCR form sets, event tickets, gift vouchers, certificates etc.

Due to its modular construction, the machine can be extended by retrofitting with further numbering and hologram heads as well as label dispensers.

#### Numbering and imprinting heads of the series Radus SU

In combination with the RADUS crash numbering heads of the SU series, numberings in Gothic, CMC 7, E 13B and OCR as well as barcode, signatures and logos can be printed. A printing head change, e.g. from letterpress ink to carbon ribbon is possible within minutes.

#### Operating process

By integrated paper tractors the web is moved to the printing station. Here, one or two RADUS-SU heads can be used. The form is stopped under the printing heads at the required position; imprinting then takes place. The operator selects whether one or both heads are used for imprinting at the position. After imprinting, the form is moved to the next position. In this way, each form can be imprinted or numbered in 25 freely-selectable positions e.g. for tickets or tax labels arranged one above the other. An optional OMR recognition also allows dependency controlled imprinting over print marks.

#### Options

Depending on the application, the CFS-606 can be extended with additional tandem stations.

- CFS-601 as extension station for taking one or two numbering heads of the series RADUS-SU
- CFS-601 as extension station for taking one or two label dispensers of the series RADUS-LD4
- CFS-610 as extension station for taking one or two hologram heads of the series RADUS-HP3

For individual inspection tasks such as sequence of numbers or positioning of scratch panels for PIN coverings, the fully integrated RadusCheck camera system for single or multi-line operation is available.

#### Bar coding

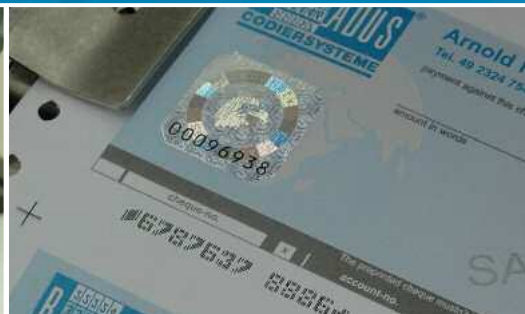
The SU2 with letterpress inking unit enables simple imprinting of numbers and bar codes. Standard inks as well as inks with additional security features can be used.

#### Hologram extension stations

The machine can be extended by further working stations on demand, also at any later date. Available are solutions for numbering, coding, hologram application and personalization purposes.  
Image: Hologram with hot stamping numbering (overprint)

#### Pinless transport

The transport system for products without sprocket holes processes also narrow web from 50mm width. Product detection is done by fork light barriers or print mark readers at a resolution of 0,1mm.







## SPECIFICATIONS

### Functions

- \_Basic system CFS-606 with transport for continuous forms with sprocket holes
- \_Basic system CFS-601 without transport as extension station for all RADUS CFS modules as well as for direct coupling with BOWE paper cutters
- \_Basic system from 1 x numbering head RADUS SU
- \_Rotary numbering machines with standard and custom engravings
- \_Direct coupling with further numbering, labeling and hologram extension stations

### Basic System CFS-606 / CFS-601

Controlling	Microprocessor
Operation	Fully automatic / intermittent
Control desk	Display and keyboard

### Transport System (pinfeed)

Form width	3" - 19" incl. sprocket holes / central adjustment
Form length	1/6" - 33"
	1/6", 1/8", and 1/10" feed division
Resolution	1/120"
Paper weight	40- 200g/m <sup>2</sup> - form sets up to 400g/m <sup>2</sup>

### Transport System (pinless)

Form width	50mm - 500mm
Form length	10mm - 800mm
Resolution	0,1mm
Paper weight	max. approx. 400g/m <sup>2</sup>
Print mark	fork light barrier / print mark reader

### Crash Numbering and Imprinting Heads of the series Radus-SU

<b>SU1</b>	Print head for stamp inks, oil-based
Print carrier	Rotary numbering machines of steel
Fonts	e.g. gothic as well as custom engravings
<b>SU2</b>	Print head for letterpress inks, security printing inks
Print carrier	Rotary barcode / numbering machines of steel / opt. pre-inker
Fonts	e.g. gothic, OCR-A, OCR-B, barcode, text and logos
<b>SU4</b>	Print head for carbon ribbons- single and multi strike, optional with magnetic, UV fluorescence and indelible ink penetration
Print carrier	Rotary numbering machines of steel or part carrier
Fonts	e.g. gothic, OCR-A, OCR-B, E13 B, CMC7, text and logos

### Connections

Electrical	single phase 220-240V, 50/60Hz, consumption 1,0kW
Connection	110V optional
Dimensions	Base: length 1550mm x depth 1000mm x height 1500mm
Weight	approx. 150kg (depending on configuration)

### Performance

up to 16.500 numberings/h per SU-head  
up to 15.000 hologram applications/h per HP3-head  
up to 20.000 labelings/h per LD4-head

### Options

Numbering extension station CFS-601 (optional with DOD inkjet)  
Labeling extension station CFS-601 with LD4  
Hologram extension station CFS-610 with HP3  
Camera system RadusCheck

### SU Numbering Head CRN

The complete numbering head include inking unit respectively foil transport can be moved across the paper direction of run in a quick adjustment for positioning. There is no need for the time consuming repositioning of the inking unit and numbering machines.

### Inline Operation without Loop Switch

The extension modules of the RADUS CFS series can be directly connected. As no loop switches are required, a space-saving arrangement with small footprint results. Furthermore there is no need for an additional paper tractor, providing a high cost benefit.

### Security printing inks and ribbons

Security features such as UV fluorescence enable effective protection against counterfeiting. The authenticity can be checked easily by using a UV lamp.



# ARNOLD HERZIG GMBH

## Experience and Innovation

For over 50 years, our company has manufactured series and customized machines for print processing and has been a long established supplier to governmental and private security printing companies. Innovative and future-oriented concepts, in-house development and the production of highly-efficient and reliable machines explain the high degree of brand awareness for RADUS around the world.

The Arnold Herzig GmbH manufactures machines for the following applications:

Hologram hot stamping, crash numbering and coding, labeling, RFID chip encoding and variable data print personalization by high-resolution UV-DOD inkjet, laser and thermo transfer.

### Product lines

RadusCard: Chip encoding and print personalization for RFID smart cards (single cards ISO / ID-1)

RadusTag: Chip encoding and print personalization for RFID smart labels and tickets, roll-to-roll

CFS series: Continuous forms pack-to-pack and roll-to-roll

SV series: Sheet-fed systems from ticket size to 50x70cm

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



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