FSS 15

Precise ink setting.
Brilliant results.

INTELLIGENT SERVICE
THAT MOVES YOU FORWARD.

No matter where in the world you use our technologies, we support you reliably with our comprehensive BST eltromat service. Our specialists are located all over the world and can be on site quickly in case of emergencies. You can access an extensive global production, sales, and service network – for first-class performance at any location.

For your benefit, we always adapt our systems exactly to the requirements of your production. Combine solutions from our various product areas:

• Web guiding
• 100% inspection
• Register control
• Web monitoring
• Color measurement
• Surface inspection
• Color management
• Workflow
• Automation
• Measurement of thickness and basis weight

Further information and current news are available at www.bst.group

AT A GLANCE:
FSS 15 INK FOUNTAIN CONTROL SYSTEM.

Applications
• offset printing
• letterpress printing
• sheet-fed and web offset printing presses

Operation
• easy and intuitive operation by 23" touchscreen monitor

Functions
• variable ink zone width
• presetting future jobs in the background
• unlimited job storage for repeat orders
• optimum setting accuracy in combination with BST eltromat finecolor ink fountains (optional)
• ink key gap position of 1 micrometer
• fully automatic position control of ink key motors
• ink key setting – individually, in groups, or all keys
• simplest zero calibration of the ink keys
• remote control of ductor roller and damping unit (optional)

Service
• remote diagnosis by Internet comes as standard

Interfaces (optional)
• to finecolor ink fountains
• to the cipcon data conversion software
• to control the ductor roller speed, ink vibrator and dampening unit
• for remote, control FSS 15

Technical data
• number of print units up to 12
• zones per print unit up to 38
• data exchange via Ethernet, USB, Profibus, EtherCAT, Ethernet/IP, OPC UA, further ones upon request
• supply 100 V–240 V, 50/60 Hz, 6 A
• ambient temperature min. 5°C, max. 40°C (monitor: see separate technical details)

cipcon
The data conversion software cipcon processes CIP3-standard files from the CtF or CtP systems of various manufacturers and uses these to calculate the preset values for the ink fountain.

cipcon is manufacturer-independent. Thanks to the close cooperation with our customers and a large number of renowned printing machine manufacturers, we are in a position to provide pre-set values for almost every printing press.

What cipcon offers
• Individual adjustment of the conversion curves of area coverage values to ink zone steps for each individual printing ink
• Preview of the whole printed image
• Individual adaptation to internal sequences
• Integration into the company network
• Interfaces to various machine manufacturers

cipcon: Your benefits at a glance
• CIP3 data conversion
• Job data management
• Quick to print
• Networking
• External presetting
• Increased productivity
• Lower costs
In the printing industry, competition is tough and the requirements are rising constantly. Precise checking of the print is the prerequisite for excellent printed products – and for satisfied customers.

Precision based on experience
As a leading manufacturer of quality assurance systems for the web processing industries, BST eltromat has performed more than 200,000 installations in more than 100 countries around the world.

The quick way to perfect color setting
Electronic ink fountain control systems from BST eltromat set new standards in precision, speed, reliability, and ease of operation. With the FSS 15 ink fountain control system, BST eltromat offers a system that is optimally adjusted to the requirements of the printer.

Its first-class price-performance ratio makes FSS 15 a versatile solution for almost every printing press.

FSS 15: Your benefits
- fast setup for printing
- simple operation
- maximum precision
- increased productivity
- minimized waste
- reduced costs

Contact us: We will be happy to support you, starting from the development and concept phase of your project.
SHORT SETUP TIMES.
SIMPLE OPERATION.

The system properties of the FSS 15 have been perfectly adapted to all printing applications with the highest requirements for color precision. Even in the basic version, the FSS 15 ink fountain control system has impressive performance parameters that prove their worth every day in practical use.

Intuitive operator guidance
• control by touchscreen monitor
• all functions are available at all times
• optimized for fast reactions by the operator
• ink keys can be adjusted individually, in groups, or all together
• defining of ink profiles for future jobs

Maximum versatility
• equipping and retrofitting of almost every printing press possible

Minimum setup times
• high-quality components and convenient operation facilitate setup
• future jobs can be preset in the background while production is running
• presetting with data from the cipcon CIP3 conversion system saves time and reduces waste by up to 30 percent

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FLEXIBLY EXPANDABLE: FSS 15 WITH CUSTOM OPTIONS.

FSS 15 offers a large number of useful options in addition to extensive standard functions. With these additional options you can flexibly expand the performance capability of your system.

finecolor ink fountains for perfect ink setting
- laser-cut precision blades with a special sealant
- available for different machine types and in every necessary print width
- tried and tested mechanism for ink key adjustment allows for an exact reproduction of the gaps between ink blade and ink ductor roller for all ink keys
- movement of each blade segment plane parallel to the ink ductor roller
- individual ink keys can be set independently of the surrounding ink keys
- absolutely reproducible positioning after every cleaning
- flexible sealing between ink blade, cheeks, and ink ductor roller

More options
- control of ductor roller speed, ink vibrator, and dampening unit for a variety of machine types and data formats
- interface for remote control of the FSS 15
- job interface for an integration of the FSS 15 into the machine control
- operation desk with worktable that can be tilted for print sample evaluation in sizes of 800 mm and 1200 mm
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- Quick to print
- Networking
- External presetting
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