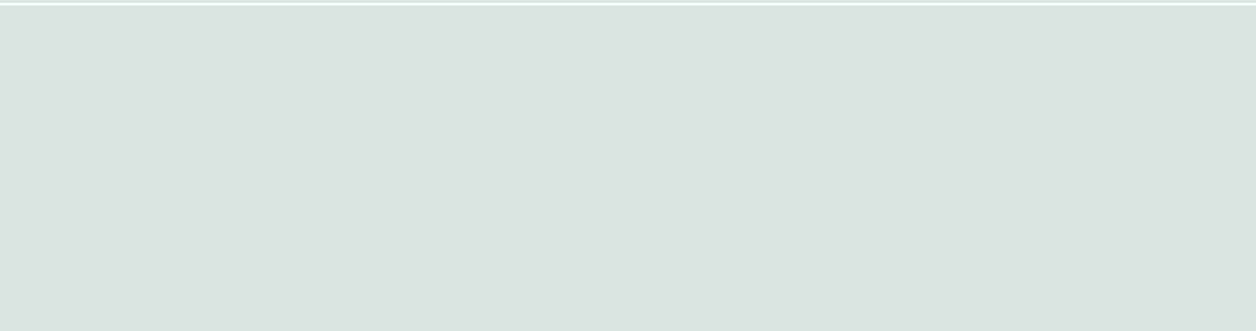
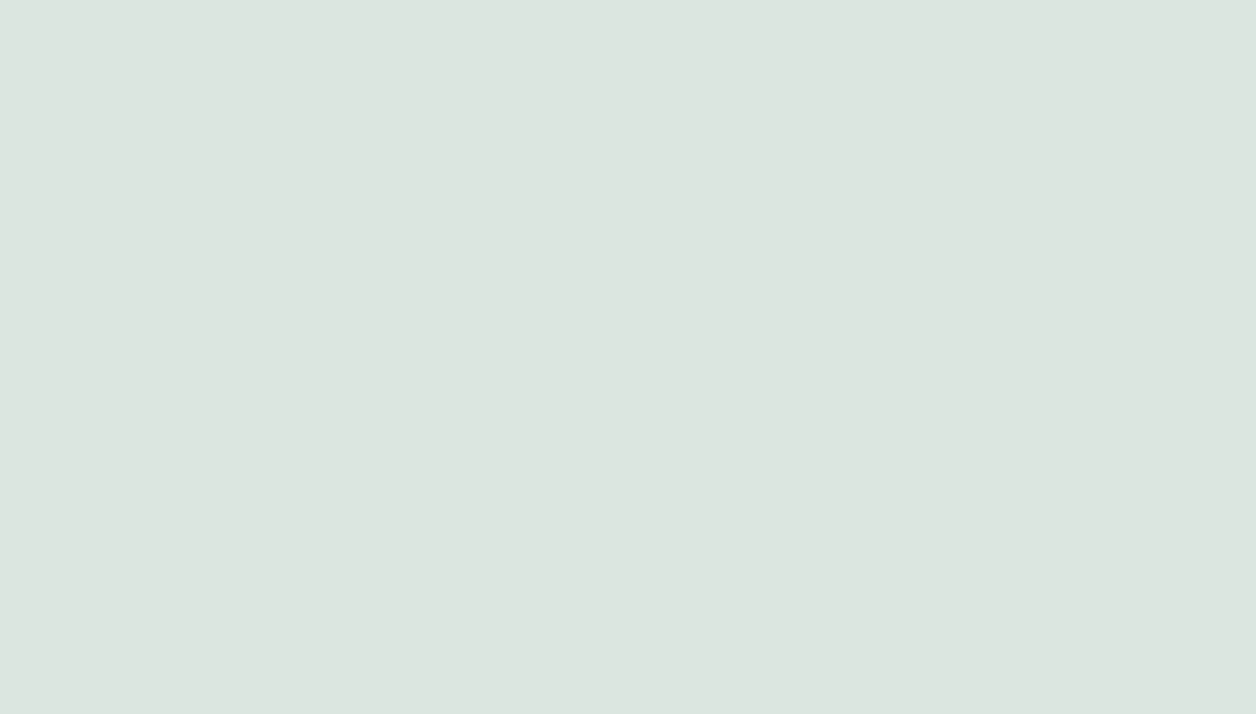


imcon_3

Ink Setting and Viewing

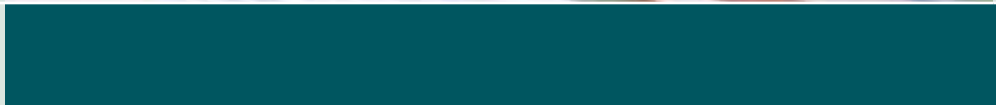
→ Offset printing



eltromat – since 1960 we have developed and produced control equipment to optimize printing processes. We are an innovative partner of machine manufacturers and printers. Our products are installed in many printing companies that have high demands regarding efficiency and quality.

eltromat products are applied to rotogravure as well as flexo, offset and screen printing processes. A modular concept allows installations from the easiest web viewing system up to a complete 100% inspection system. Upgrades are easy and a great value.

Please feel welcome to ask us about reference installations.



imcon_3

PRINT QUALITY SYSTEM FOR INK SETTING AND WEB INSPECTION

Electronic web inspection and ink fountain setting combined in one system – **imcon_3** is the result of modular system technology made by **eltromat**. With this *PrintQualitySystem* printers world-wide are increasing their productivity while costs are drastically reduced. Up to 90% saving of set-up time for ink fountain setting is possible. Furthermore, a high quality standard is obtained due to continuous print inspection.

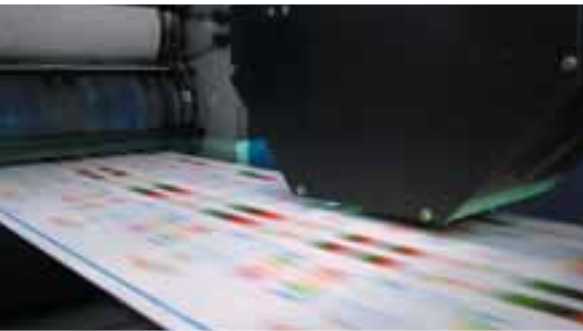
imcon_3 is designed as an open system combining **eltromat_vision** and **_colour** components. The system provides comfortable operation via *TouchScreen* and *TouchFrame (optional)* as well as high speed processor technology. A modem for remote diagnostics is installed as a standard.

		→ imcon_3			
→	drive	register	vision	colour	flow
			web video	Ink Fountain Control fss_3 Ink Fountain	

imcon_3 may be upgraded by **eltromat_register** components.

SEEING WHAT'S IMPORTANT

A camera is mounted onto a high-precision traverse bar moving across the web. All positions stored by the operator will be repeated automatically and images are picked-up and compared with master images. This and more is electronic print inspection.



Cameras

3-chip CCD cameras ensure a high-resolution real-time image reproduction. Up to 2 cameras can be placed in the system.

Monitors

Full-size image reproduction or, as an option, split screen mode or picture in picture mode. Additional monitors can be connected.





imcon_3

vision

offset printing – web fed presses

Operation

Easy operation is obtained via the *TouchScreen*. Also, quick camera positioning is available via position display on the screen or related to the original printed pattern with an optional *TouchFrame*. The *TouchFrame* uses modern sensor technology to create a fine-meshed grid over the printed pattern. A finger-touch defines the required position of the camera. The current camera positions are continuously displayed for the operator's benefit.

Surfaces

Additional and optional special strobes allow an inspection of varnish and cold seal coatings, holograms and fluorescent printed materials.

The inspection of front to backside print with translucent materials is possible using the translucent light option.

For more information please refer to the **eltromat_vision** brochure.





PRECISE INK SETTING

Easy setting of the ink key profile, using the patented *LinearMouse* or automatically via online or offline interfaces to **eltromat_cipcon** or **eltromat_dpm**, causes the drive units at all ink fountains to react immediately. As soon as the print is in good condition, the fine adjustment of the ink keys can easily take place via the *LinearMouse* at the proof desk. This and more is electronic colour setting.



imcon_3**Applications**

web fed offset printing processes

Operation

LinearMouse, 15" TouchScreen

Camera

3-chip CCD, high-resolution
16-fold zoom lens, high-speed

Flash

Homogeneous illumination at
web speeds up to 1,000 m/min.

Operating system

Multitasking, Multiuser

colour functions

- Ink key setting of
single keys, group of keys, all keys,
partial keys
- Ink fountain settings
changing, copying, renaming
- Ink key profiles
mirroring, multi-repeating
- Control of ductor, vibrator, dampening
and register
- Break
- Ink Charge
- Hand-held terminal for ink key adjustment
- Electronic zero calibration
- Job memory
- 8-fold job set-up memory

vision functions

- Real-time image reproduction
- Master/Online mode
- Split Screen mode
- Picture in picture mode
- Position memory

Options

TouchFrame

Special Illumination Units for
_Front to backside print
_Varnish and cold seal coatings
_Fluorescent printed material
_Holograms

Service

Remote diagnostics via modem

Interfaces

eltromat_register

eltromat_cipcon

eltromat_dpm

Operation

Easy operation via the *TouchScreen*, quick colour setting via the *LinearMouse* as well as adjustment of ink ductor, vibrator and dampening. Single keys, group of ink keys as well as all ink keys of a printing unit can easily be adjusted with a single move of the LinearMouse. All ink key profiles are continuously displayed on the *TouchScreen*.

Ink Fountain *optional*

Based on high-technology LASER-cut segmented ink blades with special long-life sealant an exact reproduction of the gap between each ink blade and ductor roll is guaranteed. All drive units are equipped with an own processor allowing precise ink key setting carried out by special developed algorithms.

For more information please refer to
the **eltromat_colour** brochure.





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