

web video\_smart

The smart start in web inspection



## MADE IN GERMANY

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

**eltromat** products can be applied to rotogravure, flexo, offset, screen, and other printing processes. A modular concept allows installations from viewing system up to a complete 100% inspection system. Upgrades are easy to do and great value.

Please feel free to ask about reference installations.



# web video\_smart

## THE PROFESSIONAL ENTRANCE INTO ELECTRONIC INSPECTION

- \_ QUICK TO PRINT
- \_ MINIMIZING WASTE
- \_ IMPROVING QUALITY
- \_ PREVENTING COMPLAINTS
- \_ EASY TO OPERATE


- = INCREASING PRODUCTIVITY
- = REDUCING COSTS

Electronic inspection systems **made by eltromat** stand for the highest quality, the latest technology, innovation and field proven results to meet the customer's needs. The quality of **eltromat** video images is recognized as being unsurpassed.

### web video\_smart

Outstanding viewing is common to all **eltromat\_vision** products. The **web video\_smart** exceptional viewing and simple operation is based on the field proven **web video\_3000** inspection system.

At any time the **web video\_smart** can be upgraded to the full capabilities of the **web video\_3000** including **sis\_**automatic defect detection, **ci\_register (meshcon\_3)**, **bc\_bar** code verification and lots more.



→	drive	register	vision	colour	flow
			<b>web video_smart</b> <b>web video_3000</b>		

**eltromat\_vision** is a modular part of the **eltromat PrintQualitySystems offcon\_3, imcon\_3, revicon\_3** and **meshcon\_3**.

**high\_speed**  
The speed and reliability of our systems is based upon the use of specially programmed highly integrated circuits that communicate at high speeds.

**high\_touch**  
Our systems are easy to operate by means of *touch\_screen*.

**high\_modular**  
Our modular system technology offers open interfaces to **eltromat\_register** and **eltromat\_colour** systems thus ensuring an easy upgrade by adding or exchanging hard- and/or software components.

## TOUCH\_SCREEN + JOYSTICK = QUICK & EASY TO OPERATE

### Operation

**web video\_smart** is equipped with the latest generation *touch\_screen*. A large reading angle and highly contrasted images meet the printer's needs. An intuitive graphic display allows simple one touch operation. This means, the printer can see all functions in only one menu-window. A robust dynamic **eltromat** *precision-JoyStick* allows rapid positioning and is standard with the **web video\_smart**.



## web video\_smart

<b>Application</b>	web inspection in rotogravure-, flexo-, offset-, screen- and other printing machines
<b>System</b>	eltromat-IPC, QNX based image recording with up to 5 images/second design – „high desk“
<b>Operation</b>	19“ TFT touch_screen for operation and visualisation, precision-JoyStick
<b>Camera</b>	ECO 3-chip, high-resolution standard zoom optic, high-speed
<b>Flash</b>	high-performance stroboscope homogeneous illumination
<b>Image reproduction</b>	RealTime split screen function horizontal, vertical and image in image, scan mode, automatic start of the whole format
<b>Traverse</b>	speed up to 250 mm/s high-precision high-speed positioning
<b>PositionMemory</b>	9 individual storage positions incl. automatic functions
<b>Web speeds</b>	up to 1000 m/min
<b>Interfaces</b>	<b>eltromat_register</b> <b>eltromat_colour</b>
<b>Power</b>	230V / 50 Hz / 60 Hz CE label



### Image reproduction

We are using high-resolution 3-chip cameras that allow fast and precise image reproduction of the highest possible quality. The quality of the camera objective assures exceptional image brilliance, colour reproduction and contrast.

Many years of practical know how has allowed **eltromat** to set the standard for image quality. Our illumination units offer the absolutely necessary homogeneous illumination of print that has to be inspected.

## OUTSTANDING CAMERAS:

### Camera ECO (standard)

3-chip camera, standard zoom, with motorized traverse

### Camera ECO plus (optional)

3-chip camera, medium zoom with motorized traverse; zoom presetting

### Camera HQ (optional)

3-chip camera, maximum zoom with motorized traverse; zoom presetting, iris-presetting

## Options

### 2. camera

ECO, ECO plus; HQ 3-chip cameras

### Flashes

back flash for translucent material  
registering, clear castings, varnishes  
and fluorescent colors

### Monitors

TFT 19"; 23"; 40"

### Register functions

100% automatic alarming  
and zooming for register waste  
(in combination with dgc\_650)

### Upgrade to web video\_3000

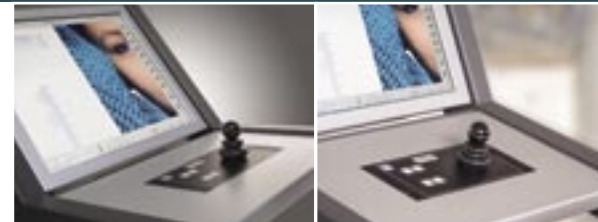
all modules available  
for web video\_3000  
(refer to brochure vision)

### Designs

table system  
pivot arm installation  
for integration into an existing console



## LOOK & FEEL





## UPGRADE TO WEB VIDEO\_3000 to meet higher needs

### ADDITIONAL MODULES:

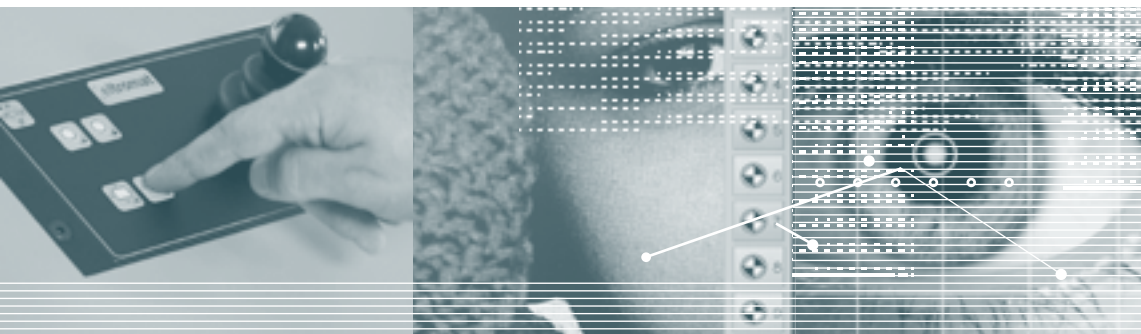
sis\_Automatic Defect Detection  
bc\_Barcode Verification  
ci\_Register Control



## DIFFERENT FEATURES

	web video_smart	web video_3000
<b>Cabinet</b>		
_Standard	S	-
_Console or high cabinet	+	S
<b>Standard camera</b>		
_HQ 3-chip maximum zoom	+	S
_ECO 3-chip standard zoom	S	+
<b>Second camera HQ, ECO plus or ECO</b>	+	+
<b>Precision JoyStick</b>	S	+
<b>e_desk</b>	-	+
<b>Monitor TFT</b>		
_Operation 15"	-	S
_Visualisation 19"	+	S
_Visualisation + operation 19"	S	-
<b>Modem for telediagnosics</b>	-	S
<b>web video_ttb</b>	+	+
<b>Special illumination units</b>	+	+
<b>Upgrade to web video_3000</b>	+	-

S = Feature standard for this model  
- = Feature not available for this model  
+ = Feature optional for this model



We provide world-wide service

**eltromat GmbH**  
Herforder Straße 249–251  
33818 Leopoldshöhe  
Germany

T +49 52 08 987-0  
F +49 52 08 987-649  
info@eltromat.de  
www.eltromat.de

**eltromat polygraph GmbH**  
Baumeisterallee 25  
04442 Zwenkau  
Germany

T +49 34 20 35 85-0  
F +49 34 20 35 85-27

<b>Locations</b>	<b>Agencies</b>
USA	Asia
France	India
United Kingdom	Finland
Sweden	
Spain	
Italy	

**eltromat electronics Inc.**  
3819 Holland Blvd.  
Chesapeake, VA 23323  
United States of America

T +1 757 487 88 49  
F +1 757 487 92 72