



ELCOLORA: the system for supplying ink to sheet fed and web fed offset presses safe, simple, clean, eco-friendly, noiseless

EL-KO system distinguishes itself for the following key points:

- Pumps with hydraulic engine for tanks and drums
- No problems on gasket keeping
- Uniform printing quality thanks to steady ink level
- No ink-stand overflow
- Ten (10) possible ink level variations in ink fountains
- Correct level control setting from remote control desk
- Ideal for centralized ink-management and various ink qualities
- Visualization on monitor, installed on each machine of all information concerning pumping system function
- Normal water pipes and valve fittings
- Lower operating costs than the compressed air system
- Negligible maintenance costs
- Tanks with integrated heating system

ELCOLORA software already includes:

- integrated order related ink measurements for every ink fountain (max 5 web or 12 sheet-feed offset presses)
- drum and container rest quantity calculation with display
- automatic device stopping pumps when drums or tanks are empty
- loading ink fountains also at a great distance (over 150 meters)

ELCOLORA is extremely profitable if used for more printing machines

EL-KO, in collaboration with the customer, is able to develop the newest solutions regarding quality and services: this partnerships' results are clear and all the efforts are rewarded by the satisfaction and trust of our customers that still prefer EL-KO systems. Every system is designed, assembled and tested by EL-KO, according to customer's requirements, assuring quality, safety and a long lasting life. The customer can inspect the system before delivery. Installation might be carried out on customers' technician care according to EL-KO instructions. In addition to the usual technical assistance, our systems are provided with remote control for a prompt and qualified assistance on installed equipments.

only with **ELCOLORA**, homogeneity, structure and ink characteristics are not altered and this is confirmed by all the ink producers



ELCOLORA

ink feed system
with level control

(commercial, newspaper,
business form and
packaging)

EL-KO

EL-KO automations for printing industry

I - 23900 LECCO - via alla Spiaggia 7/A - Tel. +39 0341 420102 - Fax +39 0341 220246
e-mail: info@el-ko.it - http://www.el-ko.it - www.elcolora.com

EL-KO automations for printing industry



a trouble free Ink-Management with **ELCOLORA** the simple and intelligent system of ink dispensing - automatic and hydraulic for sheet feed and web offset machines - widely appreciated on Italian and international markets, which has revolutionized the ink dispensing

MORE ECONOMIC ... TECHNOLOGICALLY MORE ADVANCED... ADVANTAGES IN ITS APPLICATION...

...than traditional systems on the market

With the traditional systems all the components are more expensive than the ones of **ELCOLORA** system, that uses components like pipes, fitting and so on adopted on normal hydraulic plants

• **remarkable cost benefits with EL-KO**

minimum maintenance and low operating costs on the whole plant

• **further cost benefits with EL-KO**

Customer satisfaction is the best promotion; upon agreements and appointment, it's possible to see the machine working



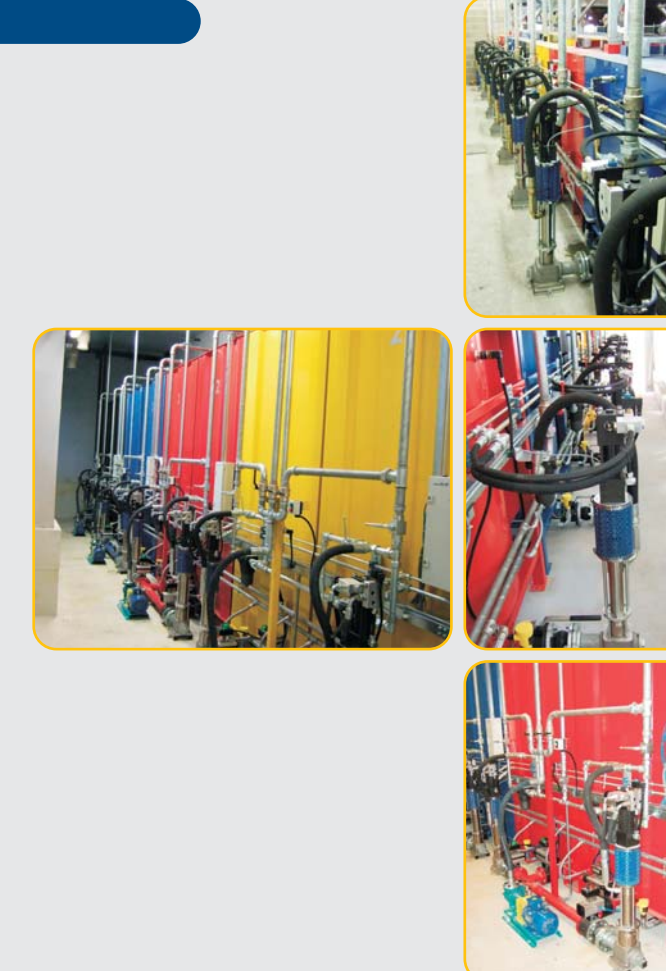
Automatic ink feed system for sheet-feed and offset presses

- Pumping system allowing ink drawing from 200 kg drums or 500/1000 kg tanks
- Integrated consumption detector for each machine (max 12) **included**
- Readout on display of tanks ink rest **included**
- Automatic device that stops pumps when drums or tanks are empty
- Easy change of drums **without ink-waste**
- Use of normal water pipes in the ink distribution line **lowering in a remarkable way plant costs**
- Minimum maintenance thanks to low pressure system
- Great energy saving **with low operating costs**



Automatic ink feed system for web offset presses

- Pumping system allowing ink drawing from 1000 kg tanks or 2000 kg fixed tanks and over (as per Customer request)
- Integrated consumption detector for each machine (max 5) **included**
- Readout on display of tanks ink rest **included**
- Automatic device that stops pumps when drums or tanks are empty
- Easy change of tanks without ink-waste
- Use of normal water pipes in the ink distribution line **lowering in a remarkable way plant costs**
- Minimum maintenance thanks to low pressure system
- Great energy saving with **low operating costs**



AUTOMATIC INK FEEDER

(electronic system for automatic control of filling ink fountains)

The ink fountain is automatically filled accordingly to the values set by the operator.

1. **Settings and control of ink fountains level are managed directly from the control desk or wherever control unit is placed**



2. **The touch screen allows easy input and changes of ink level values, as well as constant control since all data are displayed. In addition, the following information are shown on the screen:**

- continuous visualization of ink level
- color sequence
- enable/disable of the unit
- displaying system failures with detailed description

3. **The level control system linked to the ELCOLORA, ink pumping systems allows to display the following information:**

- remained ink quantity in the ink drums/tanks
- ink consumption for each unit and each job
- ink supplier statement (if present)

4. **It is possible to work with low levels in ink fountains, thanks to the sensibility and accuracy of the ultra-sound sensors, guarantying the same ink level set by the operator (from 10% to 90% of fountain capacity). Furthermore, by replacements or cleaning of colors among print elements, operational times and ink wastes are greatly reduced**

5. **The easy installation concept of the system allows a quick replacement by color changes among printing units. All connections between distribution line and ink fountain accessories are provided with quick-release coupling**

