



Falze' di Trevignano
Villa Manin - Piazza Guglielmo
Marconi, 14/4
Phone: +39-0423408903
P.I: 04970180263
e-mail: sales@nextlab-co.it

MRK PRINTING STEP MEASUREMENT SYSTEM



OFFICIAL RESELLER



ULMEX
Industrie System GmbH & Co. KG
Ringstr. 11 - 89081 Ulm - Germany
Phone: +49 (0) 731 926094
www.ulmex.com
info@ulmex.com

Nextlab S.R.L.

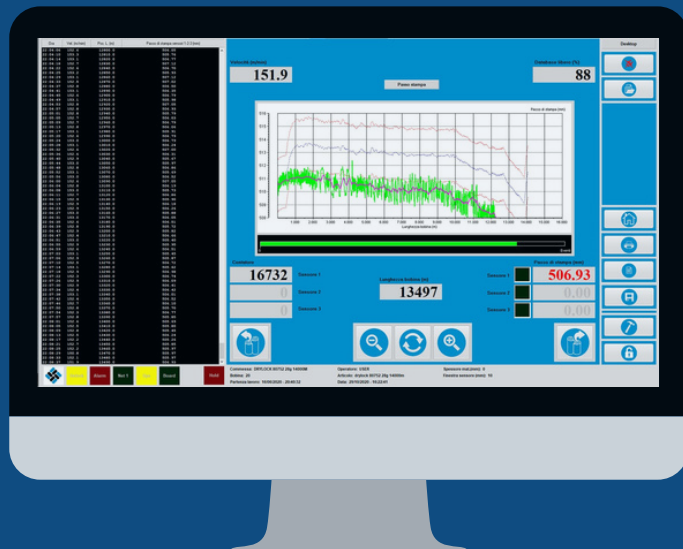
MRK - PRINTING STEP MEASUREMENT SYSTEM

MRK is an advanced system for the measurement of the printing pitch. The continuous measurement of the elongation of the material during the various printing, coupling and cutting processes is of fundamental importance to provide a product that guarantees the required specifications. The MRK system is able to provide real-time measurements of the progress of the print pass in order to correct the process and monitor its malfunctions. The hardware and software have been developed so as to be inserted in any type of production line and with a geometry that allows the centesimal measurement of the pitch providing, in the end, the re-port of all production.



SYSTEM FEATURES

- Trichromatic RGB sensor (UV and IR sensor optional);
- System resolution 0.01 mm;
- Reading window that can be set by the operator;
- Teach-In automatic function for all types of mark;
- Possibility of measuring the printing step up to 3 simultaneous and independent points on the same line;
- Steps counter in tolerance;
- Real-time display of the printing step diagram;
- Possibility to save and recall reference curves for each type of material;
- Detection thresholds can be set by the operator and stored according to the production;
- Simplified TOUCHSCREEN interface to improve system accessibility;
- CSV database, available via remote access, with the production history up to 12 months.



TECHNICAL DATA

AREE DI APPLICAZIONE APPLICATION AREA

TIPI DI SUBSTRATO MATERIAL

PERFORMANCE

Velocità massima / *max web speed*

Precisione/ *Resolution*

Min. formato stampa / *Min print repeat*

Max .formato stampa / *Max print repeat*

Frequenza di Campionamento / *sampling rate*

Temperatura d'esercizio / *Operating temperature*

SENSORE SENSOR

Tipo sensore/ *sensor type*

Distanza di lavoro / *work distance*

Profondità di campo / *deph of field*

Jitter

Flexo, Rotocalco, Web Offset,
Digitale e cartone ondulato

Carta, Alluminio e Film plastico
(Opachi, Trasparenti, riflettenti).

1400 m/min

10 μ m

10 mm

5000mm

Fino a 2.4 MHz

-10...55 °C

Tricromatico RGB

13 mm

\pm 5 mm

< 3 μ s

*Flexo, Rotogravure, Web Offset,
Digital and corrugated board*

*Paper, Aluminum, Plastic Films.
(Transparent, Opaque, Reflective).*

1400 m/min

10 μ m

10 mm

5000mm

Fino a 2.4 MHz

-10...55 °C

Trichromatic RGB

13 mm

\pm 5 mm

< 3 μ s

TECHNICAL DATA

INTERFACCIA UTENTE USER INTERFACE

Monitor Operatore

SISTEMA DI ILLUMINAZIONE ILLUMINATOR UNIT

Tipo sorgenti / source type

Spettri d'onda / spectral range

Dimensione Spot / spot dimension

DATI ELETTRICI ELECTRICAL DATA

Alimentazione Generale / main power supply

Input / output

Fieldbus

Segnalazione / alarm type

23" TFT Touch Screen full HD
HDMI 1920x1080

BLU (470 nm), VERDE
(525 nm), ROSSO (625 nm) con
selezione automatica della sorgente.

Luce Visibile (UV e IR opzionale).

0.9 x 3.8 mm

115-240 V 50-60 HZ 1000 VAT
24 V DC, Uscita analogica +10V
Powerlink

Torretta di segnalazione con allarme
acustico

23" TFT Touch Screen full HD
HDMI 1920x1080

BLU (470 nm) GREEN (520 nm)
RED (630 nm) with automatic source
selection.

Visible light, (UV and IR optional).

0.9 x 3.8 mm

115-240 V 50-60 HZ 1000 VAT
24 V DC, analog Output +10V
Powerlink

Signal Tower with acoustic alarm