



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

OFFICIAL RESELLER



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



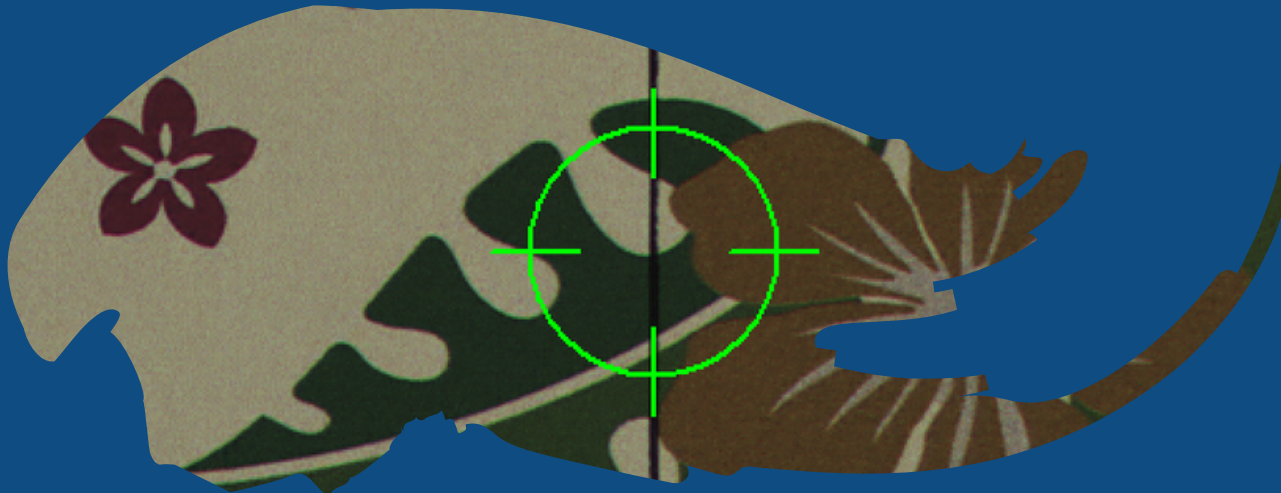
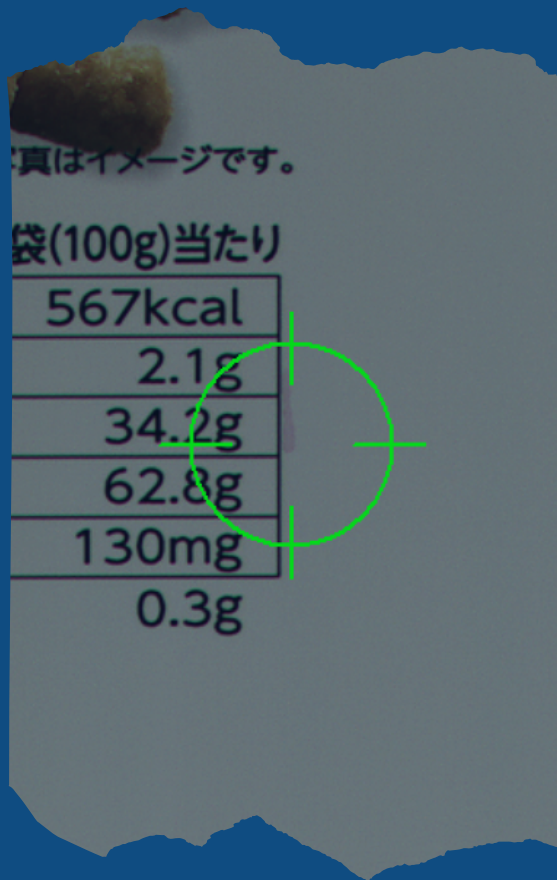
TQC
PRESS INSPECTION
SYSTEM

The image shows a close-up of a blue and white mechanical component, likely part of a press inspection system, mounted on a metal frame. The background is a blurred industrial setting.

Nextlab S.R.L.

TQC PRESS INSPECTION SYSTEM

This tool is our latest evolution in print inspection systems and is able to work on any type of material such as: paper, aluminum, flexible films (PE, BOPP, OPP, LDPE) and any other type of support (e.g. opaque, transparent and reflective films). The tool is easy to use and integrate, allowing 100% control of production on any type of high-speed printing rotary. The tool was developed with a new flaw detection algorithm called "like eye" which makes the dynamics of the camera similar to that of the human eye; thus making the identification and selection of defects similar to that which a professional in quality control would operate.



SYSTEM FEATURES

- High resolution multi-linear color or B&W camera;
- Lighting system with integrated optical systems for stabilization of lighting (shadows, material oscillations, homogeneity of lighting).
- Simplified graphic interface to improve the usability of the system by the operator.
- WIDESCREEN system for displaying the entire print format on very high resolution video with real color repeatability.
- DIGITAL ZOOM for viewing the print detail;
- Intelligent and self-configuring defect analysis software that allows an effective adjustment to the type of print for the real control of 100% of the print.
- MASTER image comparison: each image acquired in real time is compared with the sample reference image (MASTER).
- Defects are detected and displayed in real time during the production phase, allowing immediate intervention by the operator on the causes and consequently a drastic reduction in waste.
- Simultaneous control of printed matter and material contamination on both transparent, semi-transparent and coupled materials;
- Customizable setting of defect detection sensitivities for archiving and automatic rejection (up to 4 settable thresholds);
- Database containing the production history up to 12 months, with high resolution images, rollmaps and production trends;
- Predisposition for remote access for system diagnostics with specific software on customer request (eg. TEAMVIEWER, etc.)

TECHNICAL DATA

AREE DI APPLICAZIONE

APPLICATION AREA

TIPI DI SUBSTRATO

MATERIAL

PERFORMANCE

Velocità massima / *max web speed*

Frequenza di Campionamento / *sampling rate*

Min. formato stampa / *Min print repeat*

Max .formato stampa / *Max print repeat*

Temperatura d'esercizio / *Operating temperature*

SENSORE

SENSOR

Tipo sensore/ *sensor type*

INTERFACCIA UTENTE

USER INTERFACE

Monitor Operatore

SISTEMA DI ILLUMINAZIONE

ILLUMINATOR UNIT

Tipo sorgenti / *source type*

DATI ELETTRICI

ELECTRICAL DATA

Alimentazione Generale / *main power supply*

Input / output

Segnalazione / *alarm type*

Flexo, Rotocalco, Web Offset e Digitale

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

Fino a 900 m/min

Fino a 300 KHz

100 mm

1500mm

-10...55 °C

Luce Visibile (UV e IR opzionale)

23" TFT IPS Touch Screen full HD
32" TFT IPS (optional 43, 55, 65, 75 e 86
pollici)

Telecamere trilineare a
colori o BW (4K o 8K)

115-240 V 50-60 HZ 1000 VAT

Contatto pulito

Torretta di segnalazione con allarme acustico

*Flexo, Rotogravure, Offset and
Digital
Paper, Aluminum, Plastic Films.
(Transparent, Opaque, Reflective).*

Up to 900 m/min

Up to 300 KHz

100 mm

1500mm

-10...55 °C

Visible light, (UV and IR optional)

*23" TFT IPS Touch Screen full HD
32' TFT IPS (optional 43, 55, 65, 75 e 86 inch)*

Camera color or BW 4K or 8K

115-240 V 50-60 HZ 1000 VAT

Dry contact

Signal Tower with acoustic alarm