SPECTRO/Metal

PRINT INSPECTION ON
ALUMINIUM CYLINDRICAL OBJECTS

Spectro-Metal is equipped with a line-scan camera and it is designed to inspect the print on aluminium cylindrical objects like tubes, aerosols, bottles, cans and caps.

BENEFITS

Spectro-Metal guarantees a powerful combination of print quality and waste reduction.

Objectivity and accuracy of the control improves your print quality and it ensures a production without printing defects.

On line integration allows waste reduction and printing process optimization. Spectro is able to prevent widespread failure and avert large quantities of waste.

The benefit results in cost reduction and improved process efficiency that drives up profits and company reputation.

QUALITY IS EASY

Spectro-Metal is easy to be integrated. It can be installed into any printing production line. Thanks to the small size of the camera box it can be integrated inside the mandrel carousel too.

Spectro-Metal is easy to use: the setup of a new job can be done in less than one minute.

Quality control for
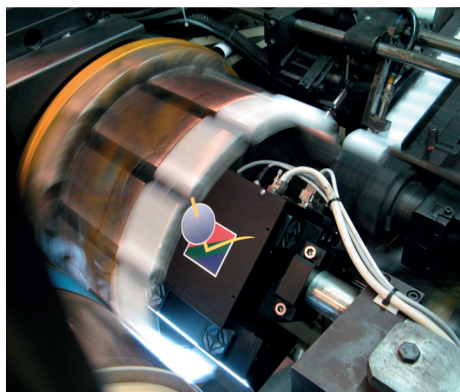### OFFSET PRINTING MACHINES

DIFFERENT CONFIGURATIONS
FOR DIFFERENT NEEDS

The resolution and the accuracy of the control depend on the camera model and on the camera field of view.

Three different standard configurations are available but it is possible to customize the camera integration depending on the customer needs.

DeCoSystem

TECHNICAL FEATURES

Spectro-Metal has a very intuitive operator interface with a fast setup and a really powerful defect detection software.

The standard features are:

- LED lighting system for a diffuse and uniform illumination
- Special design for aluminium reflecting material
- Touch screen interface
- Easy to learn and easy to use GUI interface
- Fast and automatic set up (new job can be started in a minute)
- Easily define different areas of job with different tolerance levels
- Simple software but extremely powerful and versatile
- Great reliability in the detection
- Full report and automatic storing of all production process data
- Different Login levels
- Quick zoom function
- Operating in Windows 7

TECHNICAL DATA

	SPECTRO AL-80	SPECTRO AL-150	SPECTRO AL-250
Print	Offset, silk-screen, digital	Offset, silk-screen, digital	Offset, silk-screen, digital
Products	Caps	Tubes, aerosol, cans	Tubes, aerosol, cans, cartridgies
Max Field of view	80mm	150mm	250mm
Diameter	13-40 mm	13-60 mm	13-60 mm
Camera resolution	Colour 2048 pixel	Colour 2048 pixel	Colour 4096 pixel
Camera speed	39 KHz	32 KHz	18 KHz
Resolution	0,05x0,05 mm	0,07x0,07 mm	0,07x0,07 mm
Max production speed	600 pcs/min	600 pcs/min	250 pcs/min
Typical defects	Lack or excess of colour, blurs, smears, colour variation, dirt, scratches, double printing, bad seem, intrusions, holes.	Lack or excess of colour, blurs, smears, colour variation, dirt, scratches, double printing, bad seem, intrusions, holes.	Lack or excess of colour, blurs, smears, colour variation, dirt, scratches, double printing, bad seem, intrusions, holes.
Min defect size	Ø 0,18mm	Ø 0,25mm	Ø 0,25mm

Technical data and system specifications refer to the state at the time of printing. We reserve the right to modify them in the interest of a continuous program of further development.