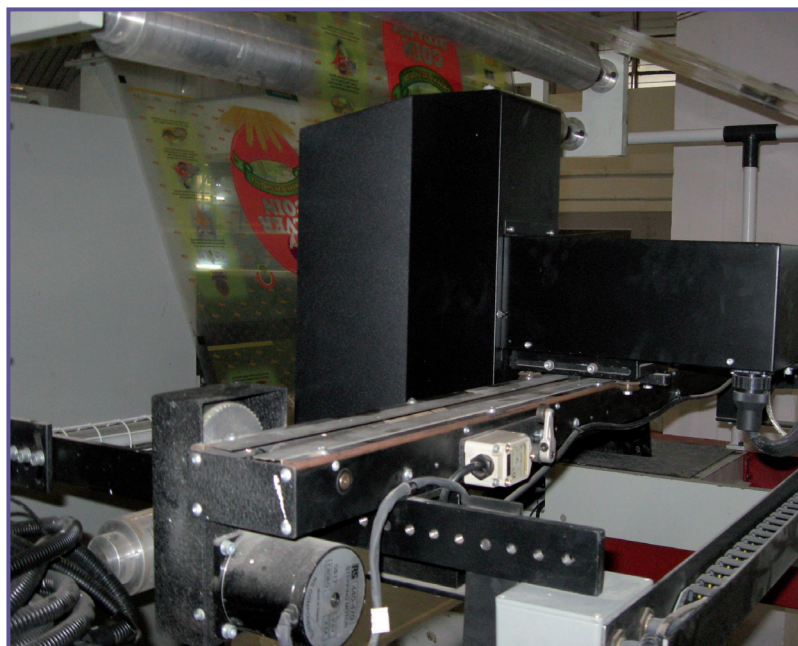# SERIES 5 **CS3/CS4**

TecScan
print inspection

Features

- *Programmable Multi-Positional Scan*
- *9 Position Make-Ready Procedure*
- *Variable Programmable Scan*
- Image Storage
- *High Resolution Firewire Camera*
- *Viewing Area 230mm x 185mm*
- *User Friendly Touch Screen Interface*
- *Labels And Packaging Scan*
- *Constant Scan Mode*
- *Split Screen*
- *TFT Monitor*
- *Battery Back Up*
- *CE Approved*

Benefits:

- *Maximise press performance*
- *Reduce waste to a minimum*
- *Constantly monitor quality*
- *Reduce make ready time*
- *Increase press speed*

Options

- *Backstrobe*
- *Specialist Lighting*
- *Extra Length Traverse*
- *Additional Monitors*
- *Multiple Cameras*

ISO 9001 REGISTERED FIRM

BASIC SPECIFICATION

Programmable Digital Image Storage
Area of view 230mm x 185mm (other sizes on application)
Traverse Size 500mm--4000mm
100% Repeat Length Constant Scan Programme
Heavy Duty Stepper Driven Traverse For Precise Movement
10:1 Motorised Zoom Lens with Customised Optics For Zero Chromatic Aberation

Series 5 CS3/CS4

The **Series 5 CS3 and CS4 Systems** are the ultimate in passive video web inspection with high resolution, user friendly controls and many unique features.

These systems assist the operator to achieve a higher standard of quality at higher speed press runs than any other passive video inspection system, with minimum waste and faster make ready times.

The high resolution fire-wire camera complemented with 10:1 motorised zoom lens and optically corrected dioptre provides class leading picture quality.

The dedicated software is developed in house for high performance and ease of use.

FEATURES

Special features of the Tecscan system include,

Make Ready Mate which allows the operator to greatly reduce the time taken at make ready significantly reducing waste

Label check means each label can be automatically inspected across and down the web

The **Constant Scan** feature inspects all the images within the repeat length. This can also refer to packages when the CS3/CS4 is used for flexible packaging applications and during business forms printing.

Both systems can download full digital images **on-line for archiving and later analysis.**

The Series 5 CS4 system can be upgraded to include print defect detection and management information systems.

CAMERA	
High resolution fire wire camera image device	1/2" (diag 8mm) type progressive scan Sony IT CCD
Picture elements	1392 (H) x 1024 (V)
Lens mount	C mount
Digital interface	IEE 1394: DCAM V1.30
Transfer rate	100,200,400 mb/s
Power Requirements	Dc 8v -36v via IEE 1394 cable
Operating Temperature	-5 to +45C degrees Celsius
Camera enclosure size	420mm x 500mm x 620mm
LENS	
Duplex lens for zero chromatic aberation	
Remote control of zoom, aperture and focus	
Area of view : 230mm x 185mm	
Larger areas available.	
CONNECTIONS	
All connections are plug and socket	
Camera enclosure to control unit is through a 20mm armoured conduit and terminated with an industrial robust plug	
STROBE ILLUMINATION	
Strobe xenon	2
Energy per flash	2 x 1.8 jules
Microprocessor control	
Strobe life average	3 years
CONTROL UNIT	
High performance state of the art, industrial PC	
OPERATOR CONTROL	
Touch screen display - 17" touch screen TFT LCD monitor ergonomically designed for minimum operator involvement	
CAMERA TRAVERSE	
Motorised heavy duty stepper motor driven traverse	
SYNCHRONISING TO THE PRESS	
Standard synchronisation by shaft encoder	