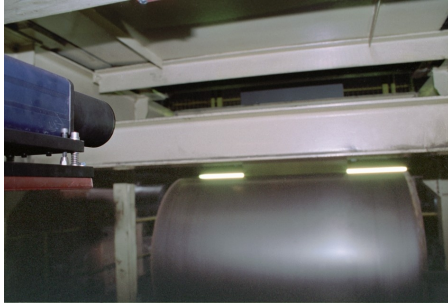




SERIES LX 700 Strip Width & Pin Hole / Edge Crack Gauges

FEATURES



Operate via Intelligent Stand alone Cameras with comfortable Windows-Software for all Parameter Settings

- Cameras with 1024 to 8192 Pixel Resolution
- Up to very fast 35,000 /sec measuring rate
- Anti-blooming incorporated and Electronic Shutters
- Configurable 3 Digital alarm outputs
- RS232 or RS422 Interface option
- Robust Modular Construction
- Asynchronous Trigger
- Strip width input



Gauge Performances

Gauge Model	LX-72048-7	LX-72048-14	LX-75150	LX-76144	LX-77926	LX-78192	LX-71024-35
Camera Pixel Content	2048	2048	5150	6144	7926	8192	1024
Maximum Scan Rate	9,280	18570	5,630	4,810	990	3,620	35,400
Pixel Size (um x um)	10 X 10	10 X 10	7 X 7	7 X 7	7 X 7	7 X 7	10 X 10
Exposure time	4 us - 13 ms	2. us -6.5 ms	180 us -70 ms	3.0 us - 70 ms	1000 us-130 ms	3.0 us - 70 ms	2.0 us-6.5ms
Active Sensor Length (mm)	10	10	8	8	8	8	10
Anti- Bloom and Shutter	Yes	Yes	Yes	Yes	No	Yes	Yes

General Description

The Series LX700 family of Width Gauges Operate intelligent self contained Liner Scan Cameras incorporating the associated software for identifying the width or categorizing the faults in the passing strip. Robust IP65 Backlights are provided with air wipes when required.

Various Line Scan Cameras are available with differing Pixel content and scan rates. The user needs to identify required width accuracy or size of Pin Hole relative to Line speed to determine correct model to be used. The selected lens arrangement will depend on mounting distance and some instances two Camera heads will be needed to meet performance requirements.

These Cameras provide high resolution width measurement as well as detection of edge cracks and holes on passing strip regardless of strip width and speed. Changeable lenses and a variety of back lighting accommodates various strip widths according to camera mounting height and required measuring range. Cameras incorporate automatic gain to ensure safe measurement with changing light conditions on the strip line. A digital output indicates standby status and can be synchronized to the strip movement by an external trigger signal.

Three digital outputs are provided for displaying of each independent strip fault. For instance:

- Crack on the left strip edge - Crack on the right strip edge - Hole in the strip - Over width - Under width - Excessive side movement

The Camera parameters are set via comfortable software running on Windows 9x/NT/2000/XP. Once the parameters are saved the camera works autonomously.

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