

Exciting New Products

Cognex In-Sight 2000 Vision Sensor



Higher specs, higher resolution, more flexibility, lower price.

We are excited about the new In-Sight® 2000 series vision sensors, which combine the power of an In-Sight vision system with the simplicity and affordability of a vision sensor. These vision sensors set new industry standards for value, ease of use and flexibility thanks to a powerful combination of proven In-Sight vision tools, a simple setup, and a modular design featuring field changeable lighting and optics.

The In-Sight 2000 series includes an integrated, high-performance image formation system consisting of field interchangeable lenses and a patent-pending LED ring light that produces even, diffuse illumination across the entire image and eliminates the need for costly external lighting. Lenses and a variety of light colours can be easily swapped out as needed to meet application requirements.

The In-sight 2000 scores over similarly priced competing products, having much higher image resolution, a range of field-changeable lenses, integrated colour selectable flat lighting, in-line or right-angle mounting orientation and proven powerful simple-to-use EasyBuilder software.

Together with the In-Sight Explorer EasyBuilder® interface, which provides a fast, step-by-step application setup, the In-Sight 2000 series allows even novice users to achieve extremely reliable inspection performance in nearly any environment.

Download the In-Sight 2000 data sheet:
<http://www.westplex.co.za/xxx>

Allied Vision Digital Video Cameras

Westplex is now a distributor for Allied Vision technologies.



For more than 25 years, Allied Vision has helped people see the bigger picture to achieve their goals. Allied Vision delivers camera solutions for industrial inspection, medical and scientific imaging, traffic monitoring and many more applications.



Allied Vision has a portfolio of competitively priced machine vision cameras covering a wide range of FireWire, GigE, USB 3 and Camera Link interfaced cameras, having resolutions from 0.3 to 29 Megapixels, monochrome, colour or near-Infrared sensors, speeds up to 125 frames per second and incorporating top-performance industry-standard CCD, CMOS and CMOSIS sensors from Onsemi, Sony and Aptina.

Allied Vision cameras are GeniCam compliant and come with Allied Vision's Vimba software development kit that supports all camera interfaces: C, C++ and .NET programming languages – and runs on Windows and Linux.

Allied Vision works closely with all major image processing library vendors, such as National Instruments, Cognex, MVtec, etc., to ensure that the cameras and Vimba are fully compatible with them.

Allied Vision cameras are the best choice for almost every application

Download the Allied Vision catalogue:

<http://www.westplex.co.za/index.php/machine-vision/digital-cameras>

OEM System Engineering

Westplex develops and supports software and electronic hardware for OEM customers.

Example 1

Customer: H. Rohloff (Pty) Ltd.
Name: BilletInspectIR

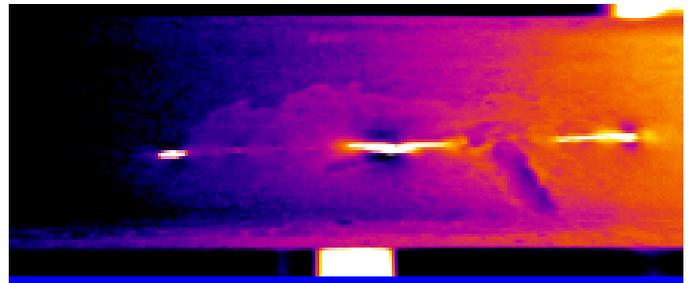
- On-line Steel billet crack detection, recording and marking.
- In use for over 10 years.
- Installed in USA (2 systems), Germany, China (3 systems) and Poland.

- Judged by an international end-user as the best currently available analysis software for this application.



During the casting and rolling mill process of manufacturing steel billets, surface cracks develop. These cracks must be detected and removed before the steel is used.

Steel billets run through the inspection unit at speeds up to 1.2 m/sec. The surface of the billet is heated by an induction heater, Surface cracks on the billet heat up to higher temperatures than their surroundings.



Four thermal cameras capture temperature images of the whole surface of the billet. These images are analyzed, while the billet is moving, using proprietary algorithms to extract the crack information, measure crack depth, size and location. The detected cracks are displayed, marked on the billet by a paint marker, and details are sent to a production database. Inspection reports are generated.

All analysis and reporting software has been developed, and is supported, by Westplex.



For more information on BilletInspectIR go to:

<http://www.rohloff.co.za/61-content/137-rohloff-billet-inspectir>

For more information on Westplex OEM Software and System Engineering, contact Westplex.

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