



FIRST IN SHEET VERIFICATION BIS510 VISION SENSOR





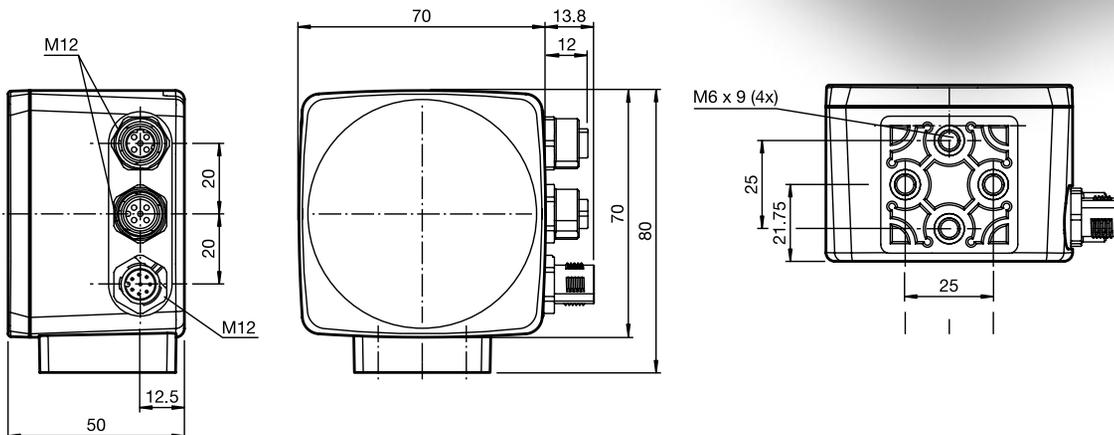
TECHNICAL DATA BIS510

Field of view	Minimum 68 x 42 mm ²
Operating distance	55 mm
Tolerance area	> ±10 mm (X,Y) > ±5 mm (Z) 5° Torsion
Surface curvature	Radius > 100 mm
Sheet speed	< 4 m/s
Response time	< 100 ms
Resolution	0.1 mm/pixel
Code-Symbologies	2/5 interleaved, Code39, EAN128, EAN13, Data Matrix (optional)
Sensor type	752 x 480 monochrom
Illumination	Flashing white light LEDs
Electrical connectors	8-pin, M12x1, standard (supply+IO) 5-pin, M12x1, standard (IO) 4-pin, M12x1, standard (LAN)
Protection class	IP65, dust-resistant
Ambient temperature	-0 °C ... 45 °C
Storage temperature	-20 °C ... 60 °C

Model number:
BIS510-60-WH-F200A



DIMENSIONS (mm)



A page missing out of a novel is annoying, and a page printed upside down in a book of prized photos is inconvenient. But neither case is as potentially perilous as a mix-up of package inserts for drugs. Because some print projects are more critical than others, the correct page or sheet must be reliably identified prior to assembly into the finished product.

Pepperl+Fuchs, a leading developer and manufacturer of electronic sensors and components for the global automation market, has partnered with Optigraf, the new benchmark in optical quality control, to provide industrial vision systems that are reliable, efficient, and easy to operate.



CORRECT

THE SOLUTION: BIS510 VISION SENSOR – FIRST IN SHEET VERIFICATION

BIS510 verifies the correctness of sheets by image comparison or code matching.

AUTOMATIC TEACH-IN

Automatic teach-in of reference sheet reduces operator workload and changeover time

REDUCED INSTALLATION REQUIREMENTS

Image and code matching in one sensor reduces installation requirements

HIGH READING SPEED

Up to 4 m/s with 10 sheets/s

RELIABLE ON REFLECTIVE SURFACES

Optimal illumination ensures reliable detection even on reflective surfaces

NO DIRECTION REQUIREMENTS

Reads barcodes vertically as well as horizontally and Data Matrix codes omnidirectionally

DETECTS EVEN SMALLEST DIFFERENCES

Can even detect the difference between languages

PRODUCT FEATURES

- Verifies the correctness of sheets e.g., in collating and folding machines with image comparison or barcode/Data Matrix code matching
- Automatic teach-in of reference image
- Permanent storage of reference image
- Connection of a trigger sensor (ML4.2)
- Error image memory for fast technical support
- Ethernet interface for fast image and data communication
- Simple integration in graphical user interfaces
- Free PC software for easy setup and configuration



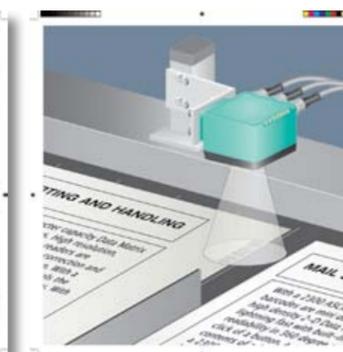
INCORRECT



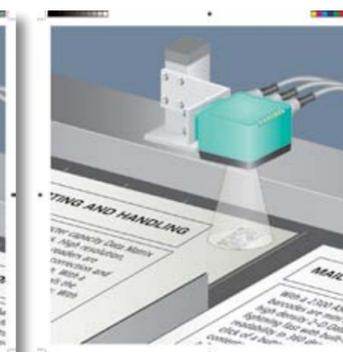
IMAGE COMPARISON



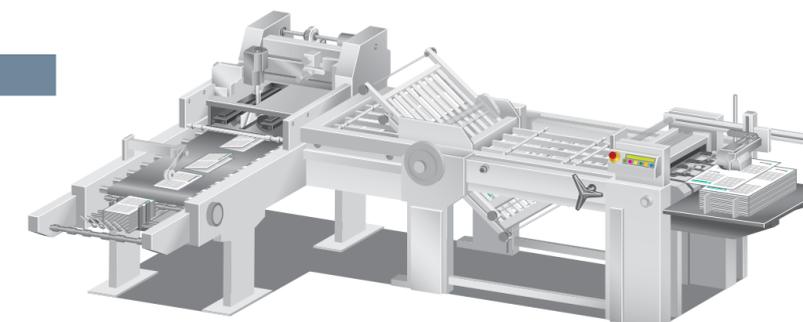
BARCODE READING



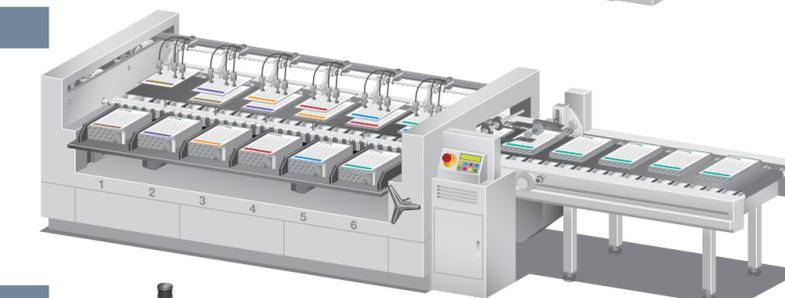
DATA MATRIX READING



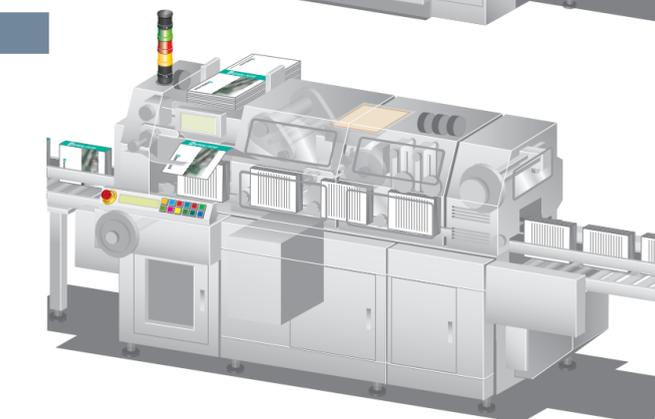
FOLDING MACHINE



COLLATING MACHINE



BINDING MACHINE



ACCESSORIES

Model number	Description
ML4.2-xxxx	Trigger sensor
V19-G-ABG-PG9	Field attachable female cordset
V19-G-2M-ABG	Connecting cable 2 m
V19-G-5M-ABG	Connecting cable 5 m
V1S-G	Micro DC field attachable connector - male straight connector
V1SD-G-2M-PUR-ABG-V45X-G	Network cable 2 m
THI40N-xxxx	Encoder for automatic trigger/teach of images



ML4.2-xxxx



V1S-G-ABG-PG9



V19-G-2M-ABG



THI40N-xxxx

Contact

Pepperl+Fuchs Inc.
1600 Enterprise Parkway
Twinsburg, Ohio 44087 • USA
Tel. +1 330 486-0001 • Fax +1 330 405-4710
E-mail: fa-info@us.pepperl-fuchs.com

Worldwide Headquarters

Pepperl+Fuchs GmbH · Mannheim · Germany
E-mail: fa-info@de.pepperl-fuchs.com

USA Headquarters

Pepperl+Fuchs Inc. · Twinsburg, OH · USA
E-mail: fa-info@us.pepperl-fuchs.com

Asia Pacific Headquarters

Pepperl+Fuchs Pte Ltd · Singapore
Company Registration No. 199003130E
E-mail: fa-info@sg.pepperl-fuchs.com

www.pepperl-fuchs.us

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