仪器·仪表·电气

Baumer electric

Image-processing sensor

VeriSens

Your benefit!

- **Save money**
  Significant reduction of waste.
- **Satisfied customers**
  No more books with incorrect pages.
- **High speed scanning**
  Up to 10 sheets per second with a speed of 2,5 m/s.
- **High resolution**
  Real time image processing with a resolution of 200 dpi (letter size 8 pt).

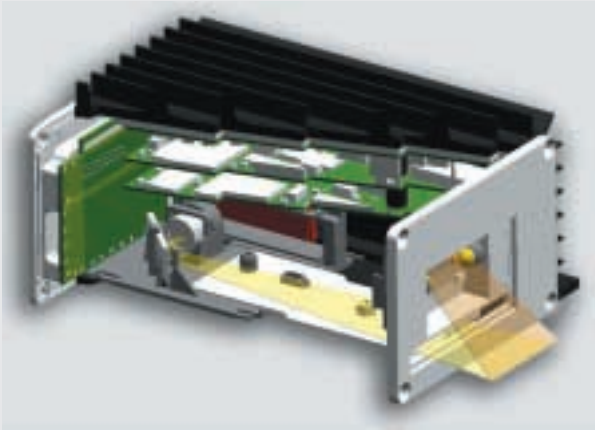
Would you like to prevent escalating costs and dissatisfied customers due to incorrect and duplicate pages in your bookbinding and collating operations?

*With our new, compact image-processing sensor **VeriSens** we offer a self-contained solution, which allows control of each page in your machine and offers failsafe page verification.*

With a simple teach-in process, a reference page's features are stored as the control sample against which all pages are verified. The sensor functions reliably on pages containing simple text, photos, graphics, or mixed templates. Thanks to real-time image processing with a resolution of 200 dpi (8 pt font), up to 10 sheets per second with a speed of 2,5 m/s can be processed.

A leading sheet tolerance of ±4 mm is allowed. The digital output provides a simple „pass/fail" signal.

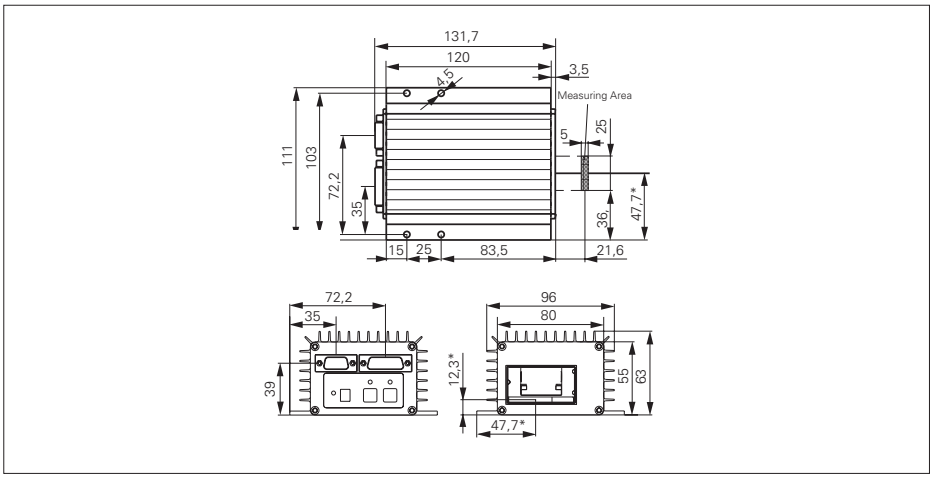
*When will you benefit from **VeriSens** in your bookbinding and collating operations?*



All-in-one solution:
Illumination, image detection, image analysis and interfaces in one housing

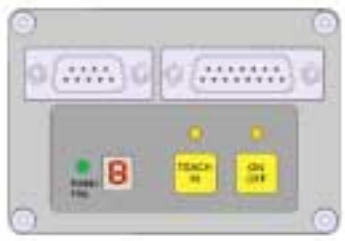
VeriSens (Verification Sensor)

ZDDM 080O250.0000

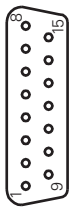


technical data	
measuring distance	21,6 mm ± 2,5 mm
width of measuring field	17 mm
tolerance of paper leading	± 4 mm
measuring angle	30°
speed width	0...2,5 m/s, (max. 10 object/s)
resolution	0,1 mm
length resolution	0,16 mm at 2,5 m/s
min. letter size	Pt 8 (Pt 6 on request)
voltage supply range +Vs	18 - 30 VDC
power consumption	< 15 W
max. supply current	1 A
interfaces	1 x RS232 1 x encoder connection (CHA, CHB) 1 x CAN (on request)
PNP inputs	trigger, teach-in, parameter 0 - 2
PNP outputs	pass / fail, error
max. load current	200 mA
max. load capacity	100 nF
voltage drop	< 2,5 V
reverse polarity protection	yes
short circuit protection	yes
overload protection	yes
operating temperature range	0...+40 °C
storage temperature range	-25...+70 °C
housing material	aluminum
weight	650 g
protection class	IP 65

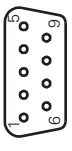
control panel



pin assignment



POWER/INTERFACE	
1	+24 VDC
2	Encoder Channel N (in)
3	Encoder Channel A (in)
4	Error (out)
5	Picture Start (in)
6	RxD (RS232)
7	Parameter 1 (in)
8	Extern Teach (in)
9	GND
10	n.c.
11	Encoder Channel B (in)
12	Pass/Fail (out)
13	TxD (RS232)
14	Parameter 0 (in)
15	Parameter 2 (in)



CAN	
1	n.c.
2	CAN_L
3	CAN_GND
4	n.c.
5	CAN_SHLD
6	n.c.
7	CAN_H
8	n.c.
9	CAN_V+