

FAG BrailleScan

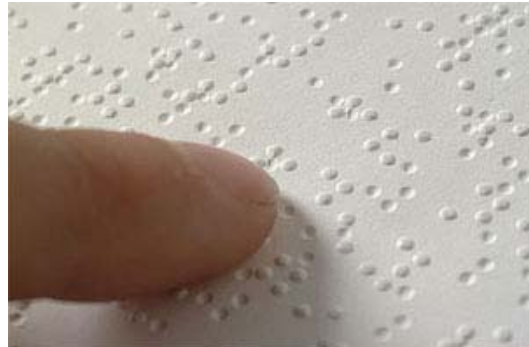
Braille Control System

Description

The sensor recognizes the Braille of a maximum height of 40 x 120mm and a speed of the band of 120m/min.

The processing time (from taking the picture until we get the checking result) is about 200ms; it means that 5 labels per second can be checked.

The sensor doesn't give any information about the quality of the embossing but it translates the Braille into plain text and compares it with the original text.



Error in BRAILLE ! And who is liable for damages ?

In future it will be mandatory to provide information about package contents in Braille, and not only on pharmaceutical packaging. But how shall the packaging manufacturer track down the notorious "printer's devil"? It's hard enough to recognize errors in plain type so how much more difficult is it to do this with Braille! But everyone active in this field knows how important it is to be able to check texts and ensure they are error-free.

With its **FAG BrailleScan**, FAG Graphic Systems of Switzerland provides an automatic control system that is to be presented to the international trade public for the first time at drupa 2008. The device reads Braille texts with a maximum size of 40 x 120 mm at a maximum speed of 120 m/min. Based on a processing time of 200 m/sec. around 5 labels (or similar products) can be evaluated. The **FAG BrailleScan** sensor reads the Braille, translates it into plain text, and compares this with a text input by the user.

Technical features

Hardware

- Camera
1280 x 1024 Pixel, CMOS, Monochrom, Gigabit-Ethernet-Interface
- Lighting
Light High LED white
- Minimum requirements for PC
Min. 1,5GHz Dual Core Processor
Min. 512MB RAM
Gigabit-Ethernet-Interface
Windows XP
- Embedded Controller (optional)
ECKELMANN ELC66
Free programming as per IEC61131-3 (CoDeSys)
Interface for Encoder
Ethernet Output (10/100MB)
USB Interface
CD-Cardslot
Input/output Module available in different format

Performance

Recognizes errors of Braille and translates it into plain text
Control of the position and of the meaning of Braille embossing
Max. text size 40 mm x 120 mm
Max. speed : 120 m/min.
Processing time per reading ≤ 200 ms. It means that 5 labels per second can be checked.

Power supply

230VAC

