

Character Reader



Read characters with the advanced JLI Character Reader system

Identifying steel in a steelworks is vital. Picking the wrong billet, bloom or slab for the processing leads to waste and can have catastrophic implications if the wrong type of steel reach the customers.

Even when the mistake is discovered it will mean rescheduling and disturbing the planned operation.

The JLI vision systems read the characters and compare each character to a taught pattern. By using advanced pattern matching algorithms the system will identify the characters and generate a telegram with the numbers and letters. Further to this, each character is assessed for readability and a digit from 00 to 99 is sent with the telegram. 00 being unreadable, and 99 perfect match.

As the orientation of the text is unknown, the image is rotated before running the pattern recognition software.

Features

- Stand alone unit
- Records all characters with time and date
- Virtually maintenance free
- Internet connectivity for remote servicing
- Interface to mill computers

General

Capacity:	Up to 5 objects with characters/s
Camera:	High resolution CCD matrix
Character size:	Required input
Operating temperatures:	+5° C to +30° C
Humidity:	20-80% non condensing
Power:	110V, 60Hz or 230V, 50Hz
Lighting:	Standard industrial flood light
Lens:	Special industrialized optics
Computer:	Industrial vision PC's
Monitor:	21" flat screen
Dimensions: W x H x D	On request. Camera stand-off 5-25 m

Measurements

Identification:	Identifies all characters and number. The system is invariant towards size, rotation, font type, and background material.
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Interface

Vision input/output:	TCP/IP interface for reception of object information.
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Typical setup of Character Reader system

Company Profile



JLI vision a/s develops, designs and manufactures dedicated turnkey vision systems for the international industry.

With more than 27 years of experience, JLI is among the oldest companies in the computer vision field. Our customers include well known international companies. JLI works in many different industries ranging from food processing to material handling, glass, steelworks, pharmaceutical, plastics and packaging.