

SCANNING OF CODES ON HOT AND COLD PRODUCTS

FIXED AND HAND-HELD READERS

RELIABLE SYSTEMS WITH HIGH READING RATE

TECHNICAL CHARACTERISTICS

Reading systems both for characters (OCR) and coded marking (barcodes). Very high reading rates when utilising the fault redundancy offered by robust code types.

ECONOMICAL AND TECHNICAL BENEFITS

Implementation of fully automatic marking and reading of product identity at any stage of production provides more secure traceability of products. High reading rates allow substantial savings due to the robust nature and high durability of this type of marking/reading.

TECHNICAL DESIGN

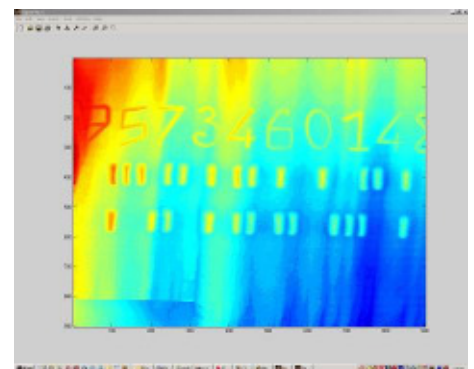
OCR reading systems with industrial PC and standard CCD cameras. Barcode systems are realised with laser-based surface scanning systems. Robust camera casings with dust filters and air conditioning. Standardised interfaces enable communication with plant computer equipment.

OPTIONS

- Special lighting of product (IR lighting, etc.)
- Camera housing (air conditioning, etc.)
- Mounting material (brackets, video amplifier, etc.)



Hand-held Scanner



RHBC Scan

TECHNICAL DATA

Usual applications	Material tracking, marking control
Type of mark to be read	OCR and code (barcode and 2Dcode)
Product temperature	0 °C – 800 °C

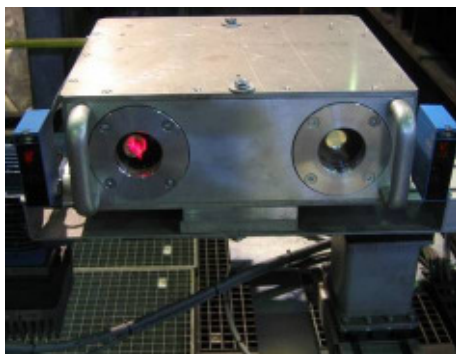
OCR SYSTEMS

Type of system	CCD camera and industrial PC
Interfaces	RS232/485 (ASCII or 3964R protocol)
Product temp. during reading	Max. 800 °C
Recommended marking procedures	HS, MP, DP, SN(Hot Spray, Metal Powder, Dot Paint and Single Nozzle)
Character size	Min. 40 mm

BARCODE SYSTEMS

Type of system	Laser-based camera system
Interfaces	RS232/485 (ASCII or 3964R protocol)
Product temp. when reading	Max. 800 °C (for fixed scanner)
Recommended marking procedures	RHBC(Revolving Head Bar Code)
Code size	Approx. 100 x 100 mm, depending on code format
Hand-held readers	MLS2010 (for use on cold products)

SYSTEM TYPES



Fixed Scanner



MLS2010