

devices for industrial vision



hand held readers

MXI · HE40 · HE50 series

fixed station readers

HE1500 series

DMx series

machine vision systems

HE1610 · Visionscape



PRODUCTION TRACKING
TRACEABILITY
INSPECTION
GAUGING
PART PRESENCE/ABSENCE
DATA MATRIX READING
CHARACTERS RECOGNITION
ASSEMBLY VERIFICATION

Automotive
part traceability



Mobile phones
components
traceability



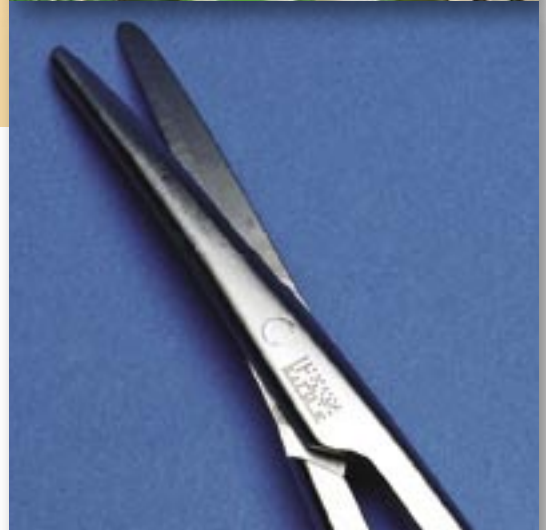
PCB traceability



... with automatic readers

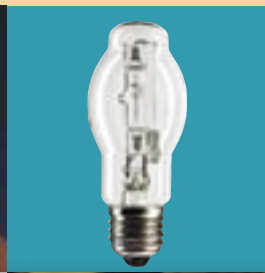
**SIC Marking offers a complete range
of hand held and fixed readers
compatible with all types
of codes on all materials
or surfaces**

Medical device
traceability



automotive
electronics
aerospace
medical
cosmetics
pharmaceutical
food processing
mechanics
plastics
defence
...

... with industrial machine vision systems



Discover a large range of vision devices which respond to all industrial applications



SIC
MARKING
Vision

hand held readers MXI & HE Series



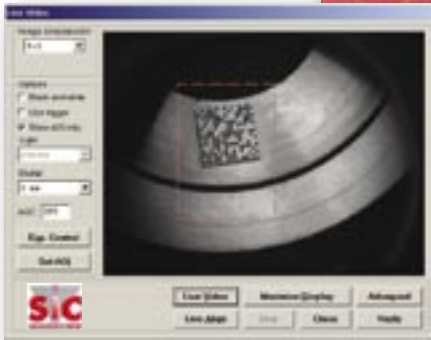
HE 40



HE 5X



MXI reader



Graphical User Interface

The only hand held reader available on the market, capable of reading standardized code in one or two dimensions on all types of surfaces or materials.

Ergonomic and versatile

- Easy reading on parts of any shape
- Optional battery pack for autonomous operation
- Capable of reading 1D or 2D codes of all dimensions
- Programming via user-friendly interface on PC
- Communications via RS232/Bluetooth link

High performance

- Robust and fast operation
- Tolerates lighting contrasts under 20%
- Large number of industrial applications

analysis and reading stations DMx Auto ID & DMx Verifier



Reading system with vision box



DMx series processor board



DMx series industrial computer

Powerful operation

- High performance vision processor boards
- Capability to control up to 4 cameras
- Compatible with all applications that allow reading or verifying 2D codes

Unique

- The only system which allows a full analysis of 2D codes (9 characters verification)
- 2D codes analysis according to different verification standards (AIM, IAQG, Custom)
- Standardized optical character recognition (OCRA – OCRB)



Customized analysis and maintenance software



2D code verifying software



Example of OCR-A reading

smart readers HE1500 Series

Robust and reliable

- The most powerful Data Matrix reader on the market
- Fast reading on all surfaces
- All in one compact and autonomous system
- Designed for easy integration onto a production line

High performance

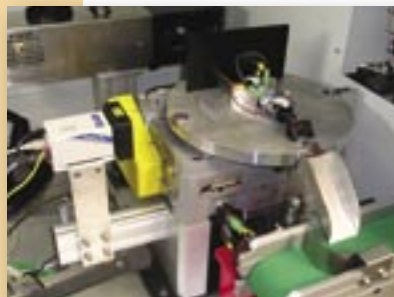
- Programming via an user-friendly PC interface
- Communications via RS232 or Ethernet link
- Compatible with all code reading applications



HE1510 with flexible optics

HE1525 with integrated LED lights

HE1515 with integrated LED lights



HE 1525 integrated on an automatic station



Configuration software

Software customized to customer's specifications

M.V.R.C. method

SIC Marking's specialty

1 - Mark

Leader in 2D marking technologies (dot marking, ink jet, laser...)

2 - Verify

Detailed analysis of the quality of the 2D codes in order to assure a maximal reading reliability and prevent tracking system deterioration

3 - Read

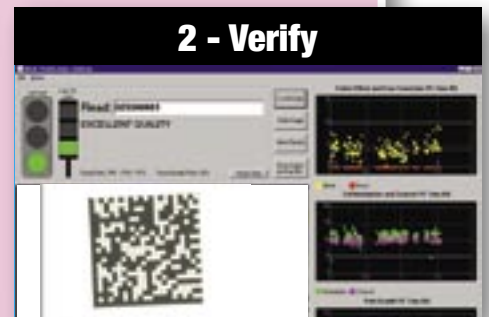
Automated error free reading of markings at any steps of the production process

4 - Communicate

Database storage of readings for optimal production data management



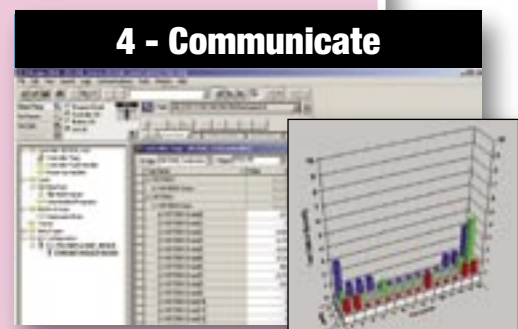
1 - Mark



2 - Verify

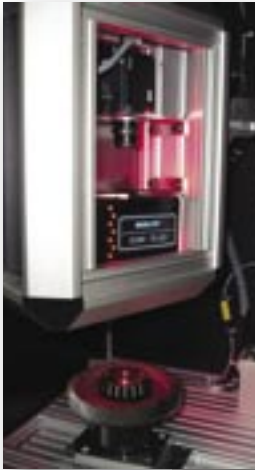


3 - Read



4 - Communicate

Visionscape machine vision systems



Example of a control camera system integration



Vision processor boards



PC based vision system



Factory software

Versatile

- Comprehensive range of vision processor boards
- Wide range of image capturing sensors
- Comprehensive range of lighting systems
- Full suite of vision tools
- Compatible with all applications

Reliable and powerful

- Powerful processor boards
- Efficient graphical interface for user-friendly programming
- Capability to control up to 16 cameras at the same time

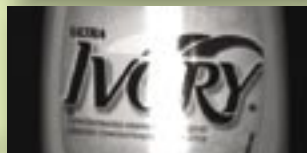
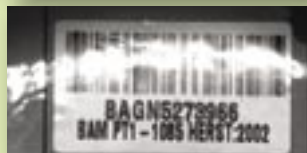
LED and neon lighting devices



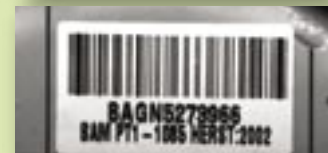
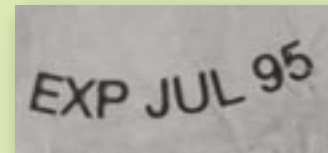
To respond to all vision applications SIC Marking offers a wide range of LED and neon high performance lighting devices.

The lighting most appropriate to the customer's application is chosen to provide consistent and reliable readings and controls.

Standard lighting



SIC Marking lighting solutions



Camera with
integrated
lighting

smart vision camera HE 1610

Compact

- All in one system (camera, optics, electronics, software)
- Stands-alone system
- Designed for easy integration into a production line

Robust and user-friendly

- Easy programming with PC interface
- Communications via RS232 or Ethernet
- Comprehensive suite of vision tools



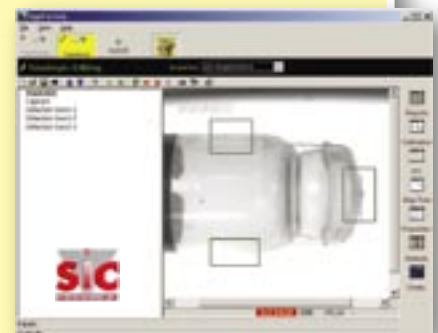
HE1610
backplane

SIC Marking's specialty : Customized programming interface

- Inspection
- Traceability
- Gauging
- Part presence/absence
- Form and aspect inspection
- 1D and 2D codes reading
- Optical Character Recognition (OCR)
- Optical Character Verification (OCV)



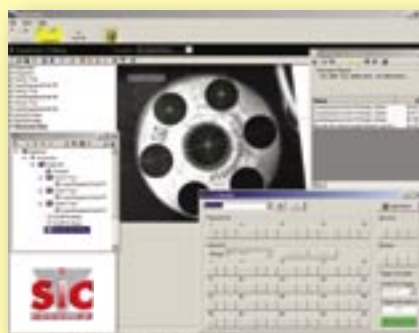
Part localisation



Shape inspection



Image inspection



Geometrical inspection



Identification tag inspection



Identification and OCV



Semiconductor presence



Part presence/ absence

technical features

reading systems

	HE40	HE50 series	MXI	HE1500 series	DMx Auto-ID	DMx Verifier
Symbols :						
- 2D code reading	•	•	•	•	•	•
- 1D code reading	•	•	•	•	•	•
- PDF 417 code reading			•	•	•	
- OCR					•	
- AIM key marking parameters analysis	•	•		•	•	•
- IAQG and Custom key marking parameters analysis				•	•	•
Architecture :						
- Hand held system	•	•	•			
- Fixed station system			•	•	•	•
Communications :						
- RS 232 C link	•	•	•	•	•	•
- Ethernet link				•	•	•
- Extensive I/O interface				•	•	•
Options :						
- Keyboard emulator	•	•		•	•	•
- Battery	•	•				
- Integrated LED lighting system	•	•	•	•		
- Protective housing (industrial connectors)				•		
- Bluetooth connection	•					

vision systems

	HE1610	Visionscape system
Inspection tools :		
- 2D code reading	•	•
- 1D code reading	•	•
- PDF417 code reading	•	•
- OCR	•	•
- Inspection tool collection	•	•
- "Intellifind tools"		•
Architecture :		
- PCI board		•
- All in one smart camera	•	
Communications :		
- RS 232 C link	•	•
- Ethernet link	•	•
- Extensive I/O interface	•	•
Options :		
- Protective housing (industrial connectors)	•	

SIC Marking
equipment
is available
worldwide.

Contact us to be directed
towards a distributor
serving your area.



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Laser machines



SIC Marking ...
Integrated machines



SIC Marking ...
Traditional equipment

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