



VIN/Scribe Inspection System IVS-VINi

A highly flexible complete inspection vision sensor system utilizing state-of-the-art artificial intelligence for quality control checks on VIN (Vehicle Identification Number) and general manufacturing scribes, stamps and markings.

Ideal for automated quality control checking:

Vehicle Identification Numbers (VIN)

Optical character recognition/ verification (OCR/OCV)

Engine and components scribes

Part marks and stamps

Character sets

Logos and decals

Legal stamped legends

2D codes and serial numbers

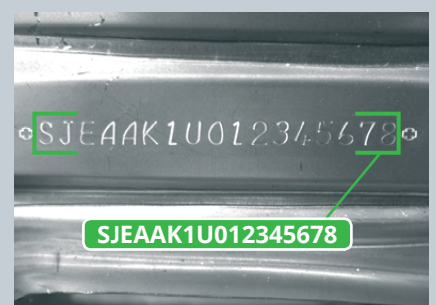
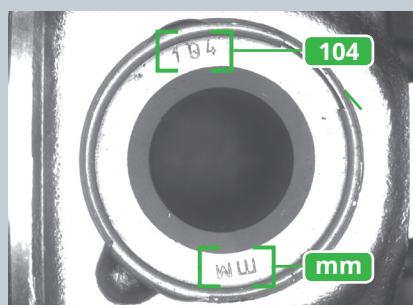
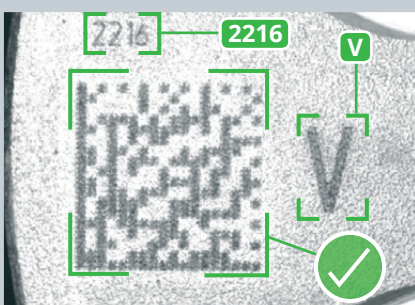
Metal labels and inserts

Ink marked digits

Lot codes, dates & batches

Printed text and numbers

Moulded characters and symbols



A highly configurable quality control inspection system – VINi - from Industrial Vision Systems lets you automate repetitive critical inspection of your VIN and serial number scribes with high accuracy. VINi uses artificial intelligence to provide mission critical character recognition and quality inspection criteria across the entire production marking cycle.

With adaptable sensor controls to cope with the body-in-white environment, VINi inspects even in the harshest conditions. VIN data can also be compared to robot and PLC information for full track and trace of vehicles through production. Images can be saved for later recall and warranty issues.

VINi is very easy to program, offers fast set up, is highly accurate and provides peace of mind for final quality checks on any scribe, stamped, etched, printed and marked character and logo sets. Sensors can be mounted on a robot arm or positioned in a fixed location.

Features and benefits:

Confirms legal quality requirements of VIN, scribes and markings

Communicate directly with PLC, robot control and factory information

Utilises state-of-the-art artificial intelligence optical character recognition

Helps identify tool failures on scribe head

Store and review HD photographs of every scribe and stamp

SQL database integration out-of-the-box

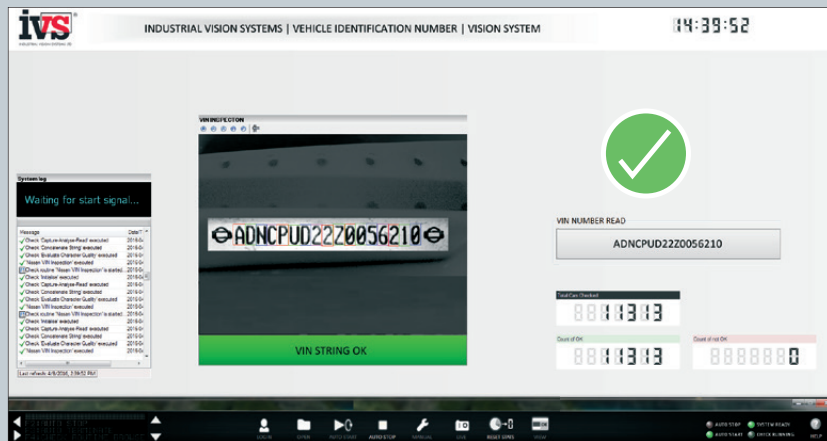
Guarantees quality leaving the factory

Quick to install and easy to program

Up to 10 sensors in a single cell

Options:

Robot mounting plate



Check for the following quality issues:

Vertical displacement of characters	✓	
Distance between characters	✓	
Inclination of scribed/stamped number	✓	
Inclination of individual characters	✓	
No damage/holes or distortion on panel adjacent to stamping	✓	
Depth check	✓	
Optical Character Recognition (OCR)/Optical Character Verification (OCV)	✓	



About IVS

Founded in 2000, IVS is now one of Europe's leading specialists in inspection machines and artificial intelligence vision products – supplying customers all around the world and building an unrivalled reputation for innovation, quality and precision in machine vision systems for inspection, guidance and identification.



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