



Headquartered in Nashua, NH with offices worldwide, RVSI is the leader in providing machine vision systems and two-dimensional (2-D) symbology readers for manufacturing and distribution environments. RVSI, the inventor of Data Matrix symbology, supplies advanced machine vision and automatic identification technology enabling manufacturers to automatically identify, track and assure quality throughout the production process. Serving the semiconductor, electronics, aerospace, automotive, pharmaceutical and packaging industries, RVSI holds approximately 100 patents in a broad range of technologies.



## Machine Vision Inspection .....



RVSI offers a range of machine vision inspection products to suit every application requirement. High-performance vision processors offer a zero footprint solution and completely off-load the host PC from vision-related tasks using our ASIC specifically designed for machine vision. Intelligent frame grabbers capitalize on the speed of the host PC for enhanced throughput and offer high-speed image memory and dedicated digital I/O. Fully integrated stand-alone systems are available in a mini PC configuration. RVSI's machine vision products interface with a wide range of cameras and imagers and are completely scaleable, allowing users to leverage their application development investment when moving from one platform to another.

### Applications

- Inspection
- Gauging
- Measurement
- Guidance
- Data Matrix and bar code reading
- OCR, OCV

### Products

- High-performance Vision Processors
- Intelligent Frame Grabbers
- Stand-alone Systems





## Automatic Identification.....



RVSI offers a wide variety of Data Matrix reading and verification products to ensure total traceability on your production lines. Improve process and quality control by quickly and accurately identifying every component in your assembly. From hand-held readers to fully integrated reading and diagnostic verification systems, RVSI provides the most powerful tools for reading bar codes and Data Matrix direct part marks in any production environment.

### Applications

- Unit level traceability
- Quality control
- Process control
- Warranty repair tracking
- Counterfeit parts identification

### Products

- Hand-held Readers
- Smart Camera Readers
- Board-level Systems
- Stand-alone Systems

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## ..... Lighting and Imaging

RVSI designs and manufactures lighting and imaging products for machine vision and 2-D symbologies. RVSI's extensive NERLITE® product family enables integrators to deliver reliable, cost-effective systems for simple or challenging applications. Designed with practical technologies and rugged packaging, NERLITE products are recognized for their performance and durability.



### Applications

- Unit level traceability
- Date and lot code
- OCR, OCV

### Products

- Ring Lights
- Area and Linear Arrays
- Backlights and Domes
- Dark-Field Illuminators
- Integrated Imagers

