Patent No’s: 5,383,021 and 5,568,263

The MECTRON Advantage

- The laser array provides up to 16 points of inspection through 360° over the entire length of the part.
- Advanced software allows you to customize your part feature name to part print for each gauge zone.
- Touch screen operation lets you quickly define or modify inspection instructions including tolerances and critical dimensions.
- Pareto chart format of part defects and their printouts can be obtained to provide feedback to the manufacturing process.
- Measurement and testing information for an unlimited number of parts can be stored on the hard drive or floppy disk and accessed by simply calling up the part number.
- Step-by-step instructions and simple terminology make The Qualifier® easy to learn and use, even for first time operation.
- Parts made of ferrous and nonferrous metals, plastics, and many other materials can be inspected.
- The Qualifier® is equipped with a quick disconnect for the optional MECTRON Packaging System.
- The Magnetic Imagery™ system uses an "envelope" as the whole of the magnetic signal is verified.
- Discrepancies anywhere on the part. This patented technology allows gauging dimensional critical dimensions as it moves through the inspection points.
- Simply pass a good part down the track to automatically display the part outline on the instrument’s touch screen.
- Utilizing your part print, you can set up 16 gauge zones for each of the 8 lasers for a total of 128 gauge zones to inspect the product. Each gauge zone can be named and is not affected by temperature fluctuations.
- Full back up, training, spare parts, and service support are available in your plant within 24 hours.
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MECTRON INSPECTION SYSTEMS

Q-Series Fastener Inspection Systems

Q-5000 Qualifier® 8
6 Laser Array
Magnetic Imagery™
Dimensional inspection
Metallurgical analysis

Q-2500 Qualifier® 8
8 Laser Array
Dimensional inspection

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