

INSPECTION SYSTEM



EVOLUTION
THROUGH
INNOVATION

MACHINE VISION BASED SOLUTION

Machine vision is an upcoming technology in India and HRS is one who brings the focus on that and started creating a product which is useful in industrial component inspection. The product name is Vision Tech. In which all kinds of missing operations can be found out for which each line of code is written in-house. It also does the measurement of the components. Vision Tech is a Quality Endurance product.

Which is very accurate in identifying different missing operations like mark, milling, under filling, Threads, and other operations. Also used in providing different dimensions with micron accuracy. Each one of them is being matched with already stored standard values with tolerance on behalf of which it accepts or rejects the component. VBIS is equipped with easy-to-use software with GUI, which provides real-time statistical information on defects. Vision Tech is one of the best products for an inspection system and provides the quality check up to micron accuracy. This is India's first vision product completely developed in India, which consists of vision along with electronic support and mechanical ease of use.

TECHNICAL FEATURES

- Dimensions with micron level accuracy.
- Missing Operations (milling, mark, thread etc.)
- Component presence
- Appropriate mega pixel camera
- Can do up to 200X Zoom
- Special Illumination technique
- Fast and accurate processing
- Special Combination of electronics and Software
- Completed Customized automated system.

AUTOMATED INSPECTION SYSTEM

Automatic 24-hour inspections, 7-days per week operation with consistent and controlled quality level.



OPERATOR INTERFACE



Industrial Computer with a 15" TFT screen allows:

- Interactions of operation
- Current status of the machine
- All statically data representation
- Provide ease to use the machine
- Computer knowledge not required
- All the functions are being performed automatically
- Great deal of electronics in combination of computer

APPLICATION

- Small part inspection and sorting
- Inline product inspection and sorting
- Dimensional tolerance inspection
- Offline part inspection
- Surface Flaw Detection
- Gauging
- Mark Inspection
- Package Inspection
- Print Inspection

