

Decision Technology LLC

Inspect Clutch Facings and Friction Rings at a Rate of "3 Per Second" with 100% Accuracy and No Human Labor or Errors

A Revolutionary System Already Proven in One of the Industry's Leading Plants

When one of the nation's leading clutch facings manufacturers wanted to improve their inspection process, they relied on Decision Technology to develop an innovative system like the industry had never seen before. Specializing in Vision-Based Inspection and Automation Systems, Decision Technology used its experience to succeed where many had tried and failed. Using custom developed software algorithms and a unique hardware configuration, the Decision Technology system performs exceptionally well, achieving both high speeds and unprecedented accuracy (to thousandths of an inch).



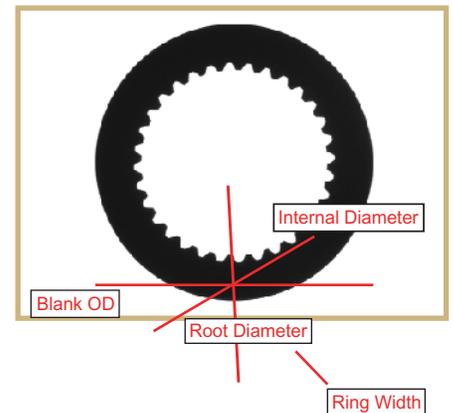
Here's some of what the system can inspect / measure...

- *Outside diameter within a specified range*
- *Inside diameter within a specified range*
- *Number of full and partial teeth, and specific tooth patterns*
- *Concentricity between OD and ID (blank and tooth pattern)*
- *Concentricity between tooth pattern root and ID*
- *Ring width at the location of each tooth (OD to tooth crown)*

Decision Technology's inspection system is also very versatile, with the ability to inspect clutch facings with a wide range of diameters ranging from 4 - 11 inches (and the system can be modified for larger or smaller components as well). The system can also inspect facings with or without gear teeth (inlay on either the OD, ID, or both).

Manufacturing precision parts and having 100% inspection is more important today than ever. With an internal part like a clutch facing, where a defective part can cause serious problems later, it is critical to find the bad parts as early in the manufacturing process as possible. That's what the Decision Technology system does. At blinding speeds of 180 parts per minute, each facing is completely inspected, with images as high resolution as 4 mb, and the bad parts are automatically ejected from the system.

Manual labor, human error, slow inspection processes, etc. are now a thing of the past. To learn more details about this system and how Decision Technology can help you improve your quality, increase your production, and decrease your costs, visit our website and contact us today.



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