



## 3D Scanner Technology Helps Drive Down Medical Manufacturing Costs

As numerous pressures force [medical device OEMs to find cost savings](#), the quality control process will increasingly come under scrutiny.

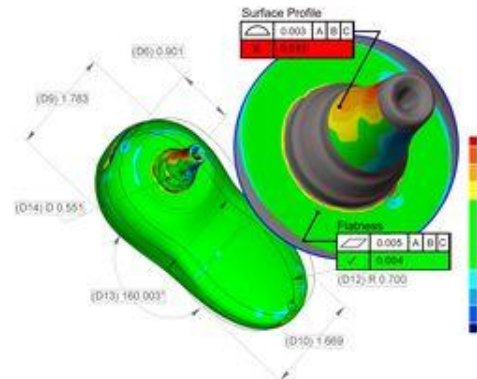
A significant portion of the cost in medical manufacturing lies in quality control due to the requirement to ensure 100% quality.

Quality inspection using an automated industrial 3D scanner - such as those from ShapeGrabber - is a valuable part of the solution - Fast, automated, and able to deal with the complex organic shapes that are a feature of many medical devices and parts, a 3D scanner can dramatically speed up the quality inspection process.



### *Incorporating a 3D scanner into quality inspection process can result in:*

- **Substantially reduced inspection time.** Rapid automated inspection of a part's entire surface geometry is possible in a matter of minutes. ShapeGrabber's non-contact 3D scanners can measure even complex-shaped parts that have organic shapes, compound curves, and multiple features.
- **100% dimensional inspection.** The entire part is measured, not just a few points, ensuring that 100% of dimensional specifications are met. A ShapeGrabber automated 3D scanner also virtually eliminates human error yet requires no special skill set to be operated.
- **Improved operations efficiencies.** Problems with parts can be quickly troubleshot and Go/No Go decisions rapidly made.



### **Additional benefits for medical manufacturers include:**

- A 3D scanner can be used to evaluate part wear. The same part can be scanned periodically during stress- or wear-testing and the scans compared to each other to understand part wear.
- Manufacturers can rapidly troubleshoot fit problems between parts.
- OEMs can provide documented proof that they are meeting specifications, with the aid of automatically generate visual and detailed reports, and NIST-traceable scan data.