

Chameleon CASE STUDY

Innovative CMM Retrofit Empowers Stealth Products, LLC (Texas, USA)

Background

Stealth Products, LLC, a pioneering manufacturer in the rehabilitation market, has built a 25-year reputation for innovative head and neck positioning systems like the Comfort Plus[™] and Unilink[™] Ultra. Precision is paramount in their mission to deliver high-quality assistive technologies.

Retrofit duration

< 2 days

Challenge

The company's sole Coordinate Measuring Machine (CMM), a Mitutoyo system running MCOSMOS software on a Windows 7 platform - suddenly ceased operations.

This critical failure threatened to:

- Interrupt quality control processes
- Compromise production timelines
- Potentially disrupt their ability to deliver precision rehabilitation equipment

Solution

Made to Measure Metrology, an EasyCMM partner based in Illinois, proposed a retrofit using the Chameleon controller. This innovative solution offered:

- 1. Seamless upgrade to Windows 11
- 2. Preservation of existing MCOSMOS software license
- 3. Concurrent operation of legacy and modern measurement software
- 4. Minimal operational disruption

Inspection Software

Parallel use of MCOSMOS and CMM-Manager

CMM Manufacturer

Mitutoyo



Implementation

The retrofit strategy focused on:

- Rapid controller replacement
- Ensuring software compatibility
- Maintaining existing measurement workflows

Total implementation time was minimized, with the entire process completed within two days.

CMM Retrofitter



www.measuremetrology.com

Results

The Chameleon retrofit delivered multiple strategic advantages:

- 1. Modernization: Upgraded from Windows 7 to 11
- 2. **Software Flexibility**: Enabled parallel use of MCOSMOS and CMM-Manager
- 3. **Operational Continuity**: Zero compromise to quality control processes
- 4. **Cost Efficiency**: Avoided expensive full machine replacement
- 5. **Future-Readiness**: Enhanced measurement capabilities and platform flexibility

End Customer



www.stealthproducts.com

Conclusion

The Chameleon controller transformed Stealth Products' CMM from a potential bottleneck into a modern, adaptable measurement solution. By bridging technological generations, the retrofit reinforces the company's commitment to precision and innovation in rehabilitation technologies.

If you would like to find out more about our Chameleon Plug & Play retrofit controller or how easyCMM can help you with your CMM requirements, visit easyCMM.com or email info@easyCMM.com



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