Chameleon CASE STUDY

Chameleon Retrofit Solution Transforms CMM Operations at PWO SEE d.o.o. (Serbia)

Background

PWO SEE d.o.o., a manufacturing company in Kragujevac, Serbia, was confronting a critical challenge with its aging WENZEL Coordinate Measuring Machine (CMM). The machine's technological limitations threatened to undermine the company's quality control capabilities, especially following a recent corporate acquisition.

Challenge

Initially, the company contemplated a straightforward equipment update, planning to replace the dying original controller and outdated software. However, the acquisition by a new owner introduced a more complex requirement: ensuring the WENZEL CMM's compatibility with PC-DMIS inspection software used across the organization's multiple factories.

This presented a unique technical challenge:

- Existing controller was failing
- Original software was obsolete
- Need for seamless integration with PC-DMIS
- Requirement to avoid complete machine replacement

Traditional retrofit approaches seemed inadequate, as they would require extensive software rewrites and potential operational disruptions.

> ### Controller compatibility with CMM
> #### 100%
> ### Inspection Software
> #### PC-DMIS
> ### CMM Manufacturer
> #### Wenzel

Solution

MPT SISTEMI d.o.o., EasyCMM's partner, based in Slovenia, proposed the Chameleon controller as a unique solution. Critically, the Chameleon was the only controller in the market capable of addressing this challenging compatibility requirement.

Key advantages of the Chameleon retrofit included:

- Direct compatibility with PC-DMIS software
- Preservation of existing WENZEL CMM infrastructure
- Minimal operational disruption
- Cost-effective alternative to full machine replacement

Implementation

The retrofit process was carefully executed by MPT SISTEMI's technical team:

1. Precise Chameleon controller installation
2. Software configuration and system calibration
3. Comprehensive performance validation

Results

The retrofit delivered transformative outcomes:

1. Successful PC-DMIS software integration
2. Complete customer satisfaction
3. Extended operational life of existing CMM
4. Cost-effective: The Chameleon retrofit was significantly more affordable than alternatives.
5. Time-efficient: Rapid installation minimized operational downtime.
6. Operational continuity: PWO SEE maintained quality control processes without disruption.

Conclusion

The Chameleon controller provided PWO SEE with an innovative solution that bridged technological gaps, demonstrating the potential of intelligent retrofit strategies in modern manufacturing environments.

CMM Retrofitter

MPT SISTEMI

www.mpt-sistemi.eu

End Customer

PWO

www.pwo-group.com

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

Chameleon

The CMM after Chameleon retrofit

Chameleon controller in the Cabinet