

Quality Monitoring and Management (QMM) System

BACKGROUND

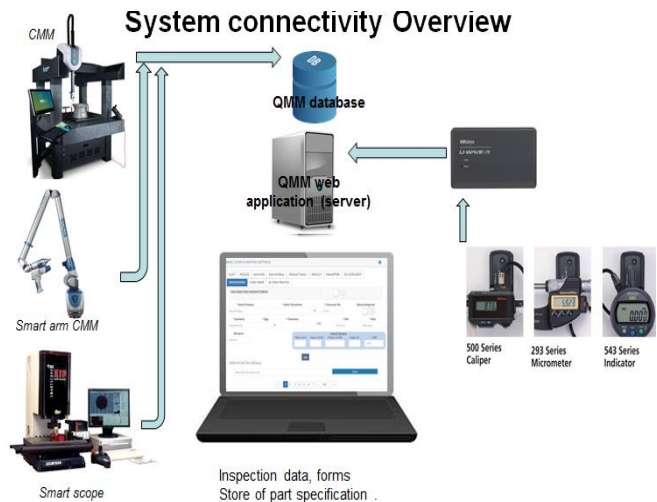
In most manufacturing SMEs, quality monitoring and quality inspection recording are typically done after each critical process step through offline manual measurements and Excel quality analysis that leads to low productivity and slow response for quality issues.

OBJECTIVES

To help companies implement an on-line quality monitoring and management system for product quality monitoring with semi-auto data capturing and automatic outlier alerting to improve productivity and response to quality issues

DELIVERABLES

Type	Description
Consultancy	Set-up, Configuration & On-site Implementation
Hardware	1 x Tablet with barcode reader 1 x Digital Measurement Device + Router + Cabling
Software	1 X Quality Monitoring and Management System License 1 X SQL Server 2012 (5 User CAL Licenses)



Inspection data, forms
Store of part specification .

Screenshots of QMM System

BENEFITS

- Improve labour productivity through semi-auto inspection data collection through digital measuring instruments and automated report generation.
- Faster response to quality issues through automatic outlier alerting.
- Easy to use Apps-based software

Productivity Indicator	Expected Improvement
Reduce manual effort in inspection data recording and report generation	50 - 80%
Reduce response time to quality issues	30 - 50%

For enquiries, please contact:

Dr Li Xiang

Senior Scientist

Tel: 9027 1924 | Email: xli@SIMTech.a-star.edu.sg

Mr Wong Ming Mao

Industry Development Manager

Tel: 9850 8595 | Email: mmwong@SIMTech.a-star.edu.sg

Total Cost: S\$20,000 + GST
\$12,500 ESG funding for SME (Subject to Approval)

FOR SME ONLY