

Abdul Ghani bin Mohd Saaid

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Senior Manufacturing & Process Engineering Leader

Engineering Leadership • Manufacturing Excellence • Operational Performance • Technical Advisory

Manufacturing and Process Engineering leader specialising in operational excellence, manufacturing performance, and continuous improvement across the medical device and electrical component industries. Recognised for leading engineering teams, manufacturing transfers, and process improvement initiatives that strengthen productivity, quality, and business sustainability.

Areas of Expertise

Manufacturing Leadership • Engineering Team Leadership • Operational Excellence • Continuous Improvement
Manufacturing Strategy • Yield Optimisation • Manufacturing Transfer & Industrialisation • Process Engineering
Lean Manufacturing & Six Sigma • Medical Device Manufacturing • Injection Moulding Technologies
Business Sustainability • Change Management • Quality & Compliance • Stakeholder Management

PROFESSIONAL EXPERIENCE

CIBA Vision Johor Sdn Bhd (Alcon Laboratories, Inc) | Nov 2007 – Apr 2026

Senior Manager | 2023 – 2026

Manager | 2015 – 2022

Project Manager | 2012 – 2014

Senior Engineer | 2007 – 2011

Led process engineering functions supporting high-volume medical device manufacturing operations, providing strategic oversight of manufacturing performance, process capability, equipment reliability, and operational sustainability. Directed multidisciplinary engineering teams responsible for process optimisation, metrology systems, equipment qualification, yield improvement, and manufacturing effectiveness while partnering with Quality and Production functions to sustain compliance, product quality, and business objectives.

Key Achievements

- **Successfully supported the establishment and operational ramp-up of a medical device manufacturing facility**, contributing to the transformation of a greenfield production environment into a fully operational manufacturing plant capable of supporting high-volume production requirements.
- **Led the transfer of manufacturing processes** from Batam, the United States, and Canada to Johor, delivering all projects within schedule while ensuring operational continuity, product quality, regulatory compliance, and long-term manufacturing sustainability.
- **Generated USD800K+ annual savings** through leadership of the Finishing Yield and Customer Complaints Improvement Taskforce, reducing manufacturing defects and improving product robustness through cross-functional collaboration with Quality and Production teams.
- **Consistently delivered a 1% y-o-y improvement** in Right First Time (RFT) rates and yield performance across high-volume contact lens Power SKUs through operational excellence and process optimisation initiatives.
- **Delivered zero prism defect performance while reducing fabrication costs** by leading a site-wide tooling enhancement programme that eliminated mould-half misalignment and removed the need for nickel coating.
- **Eliminated measurement variation between predicted and actual power outcomes across 3 manufacturing platforms** by aligning 15 Nikon VMR system pairs to a master baseline, achieving cross-platform measurement consistency within ± 5 microns.

- **Enhanced process capability and equipment reliability** by developing a predictive wear-monitoring methodology for injection moulding assets, establishing automated intervention thresholds, and integrating the methodology into standard operating procedures.
- **Led process and machine performance audits**, providing technical recommendations that improved operational efficiency, optimised manufacturing costs, and sustained production precision.
- **Mentored Innovation and Creative Circle (ICC) teams to national-level recognition** while serving as Subject Matter Expert (SME) and in-house trainer for Basic Injection Moulding.
- **Established, monitored, and controlled critical process metrics**, operating windows, and departmental KPIs aligned with site priorities and corporate strategic objectives.

PRIOR EXPERIENCE

Fujitsu Component (M) Sdn Bhd

Technical Executive | Dec 1990 – Oct 2007

Provided technical support for high-volume injection moulding manufacturing operations, focusing on process optimisation, productivity improvement, equipment performance, and continuous improvement initiatives within the electrical component manufacturing sector.

Key Achievements

- **Improved machine setup efficiency and team performance** by transitioning the Parameter Set-up function from Production to Engineering, implementing structured technical training, benchmarking setup times, and strengthening technical support capabilities.
- **Increased Overall Equipment Effectiveness (OEE)** by implementing a Single-Minute Exchange of Die (SMED) initiative that introduced offline mould pre-heating, reducing machine idle time by 30 minutes for every production lot changeover.

EDUCATION & PROFESSIONAL DEVELOPMENT

Bachelor of Management (Technology) | Universiti Teknologi Malaysia (UTM)

Diploma in Mechanical Engineering | Universiti Teknologi Malaysia (UTM)

TECHNICAL SKILLS

Manufacturing & Process Engineering

Injection Moulding • Scientific Moulding • Process Validation • Manufacturing Transfer & Industrialisation • Process Capability Improvement • Yield Management

Operational Excellence

Lean Manufacturing • Six Sigma • PDCA Methodology • SMED • Statistical Process Control (SPC) • Continuous Improvement

Equipment, Quality & Manufacturing Systems

Equipment Qualification • Metrology Systems • Nikon VMR Systems • Root Cause Analysis • Failure Analysis • Manufacturing Audits

Performance & Business Improvement

Operational Performance Optimisation • OEE Improvement • KPI Development • Process Monitoring • Manufacturing Stability • Quality Improvement

LANGUAGES

English (Professional), **Malay** (Native), **Japanese** (Basic)