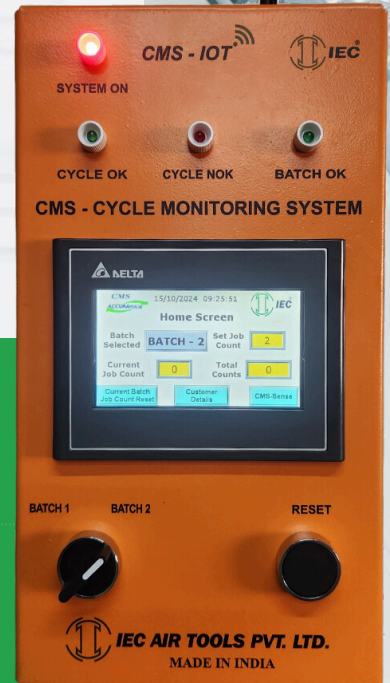
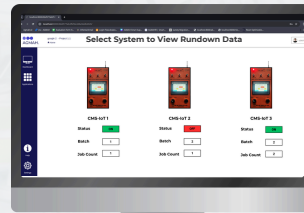
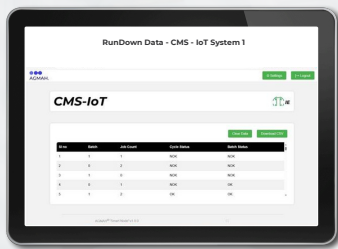


CMS-IoT

Cycle Monitoring System - IoT

Industrial IoT-Enabled Poka-Yoke Solution: Revolutionizing Fastening Processes for Industry 4.0

The plug-and-play solution transforms conventional pneumatic fastening tools into IoT-enabled smart tools, ensuring error-free fastening operations and providing real-time insights to optimize production and enhance accuracy.



Real-Time Data Monitoring & Traceability



Accurate and precise fastening



Comprehensive data traceability



Advanced real-time monitoring



Enhanced productivity and OEE

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ACCURATE AND PRECISE FASTENING

Customizable Shut-Off Feature: The tool automatically stops at the desired torque level, eliminating the risk of overtightening.

Fastening Accuracy: The CMS-IoT system, when integrated with our Pulse tools/ Impact wrenches, significantly improves fastening accuracy and efficiency.

Continuous Process Monitoring: With our Poke-Yoke solution, each fastening task is executed flawlessly, with continuous process monitoring.

REAL-TIME DATA MONITORING

Remote Monitoring: Stay informed and in control with advanced data monitoring, enabling you to remotely track your tools and fastening processes with ease.

Real-Time Insights: Our CMS-IoT system delivers real-time insights into fastening operations, including tool cycle counts, components fastened, and the current fastening status.

Remote Decision-Making: Make informed decisions and optimize your assembly line, even when you're away from the production floor.

Streamlined assembly line operations through real-time insights

DATA TRACEABILITY[#]

Comprehensive Data Traceability: Securely store up to 10 years of rundown data with comprehensive traceability, ensuring it is easily accessible, even remotely.

Enhanced Analytics: Utilize this traceable data for in-depth analysis of tool performance, manufacturing processes, operator behavior, and fastening quality assurance.

PRODUCTIVITY IMPROVEMENT

Streamlined Manufacturing Process: Enhance the efficiency, traceability, and accuracy of fastening operations, simplifying your overall manufacturing process.

Minimized Errors and Rework: Reduce time-consuming quality checks and rework by minimizing manual torque verification and eliminating the risk of human errors.

[#]These features are available through the AGMAH ecosystem or via your own cloud infrastructure if it meets the necessary requirements.



CUSTOMIZABLE CYCLE AND BATCH COUNT

Customize the cycle count up to 100,000 and the batch count to fit your specific requirements.



CYCLE AND BATCH STATUS INDICATOR

Provides clear indication of completion or errors in your fastening process.



EASY BATCH SWITCHING

Allows for seamless transition between batches.



EFFORTLESS DATA COLLECTION

Collect and monitor data from multiple CMS-IoT systems in a single secure location.



REAL-TIME INSIGHTS

Gain real-time cycle and batch completion insights.



CLOUD AGNOSTIC

Compatible with any preferred cloud solution/partner.



WHY CHOOSE US

The CMS-IoT fastening solution offers precise fastening and seamless integration into existing setups, ensuring precise operations with minimal disruption.

Its innovative plug-and-play functionality allows any pneumatic tool to be easily connected and transformed into an IoT-enabled device, maximizing efficiency and productivity.

It delivers advanced real-time monitoring and traceability, utilizing edge computing and remote monitoring to provide deep insights into operational metrics.

The CMS-IoT platform is equipped with standardized ports and protocols for efficient integration with external systems.

COMMUNICATION PORTS

RS485

Ethernet

Wi-Fi

COMMUNICATION PROTOCOLS

Modbus RTU

Modbus ASCII

Modbus TCP/IP

PROFIBUS

PROFINET

OPC UA

DDS

REST

The Industrial IoT-Enabled Poka-Yoke Fastening Solution
Making Your Fastening Processes Industry 4.0 Ready

Increase assembly line efficiency with our CMS-IoT, transforming manufacturing processes for improved productivity, seamless integration, and enhanced operational control.



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