Assembly Guidance Software

Digital Work Instructions, Error Proofing and Process Traceability for Modern Manufacturing

Reduce assembly errors, improve quality and achieve complete process traceability.

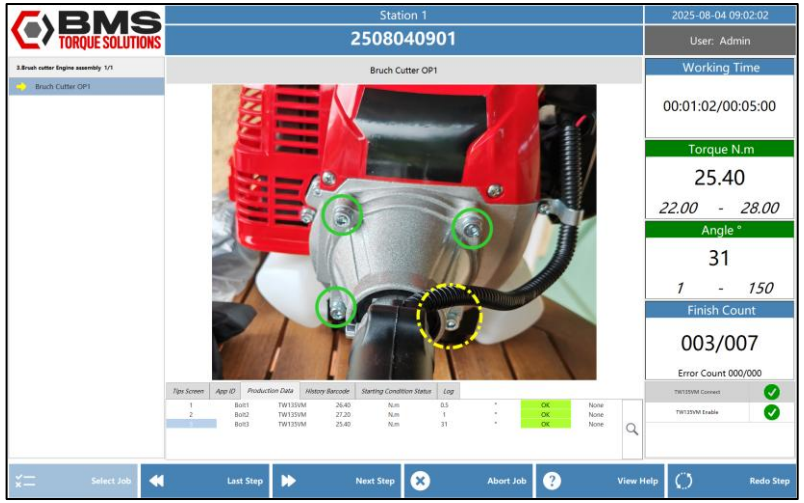
Connect operators, tools and production systems in one error-proof manufacturing platform.

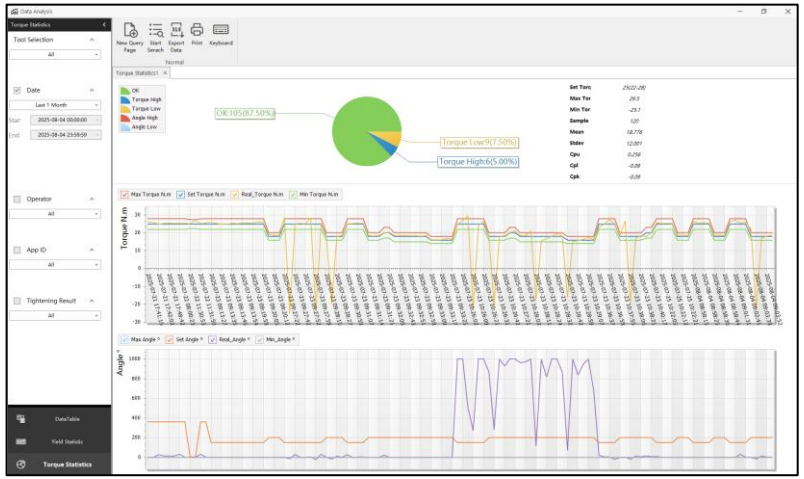


Why Leading Manufacturers choose AGS

Improve quality, productivity and traceability across your assembly process

GUIDED OPERATOR WORKFLOW - Present the correct assembly step at the correct time.
ERROR PROOFING - Prevent incorrect tools, components and assembly sequences.
REAL-TIME QUALITY CONTROL - Immediately detect and respond to assembly deviations.
COMPLETE TRACEABILITY - Record torque, angle, measurements, user activity and process results.
OPEN INTEGRATION - Connect tools, scanners, PLCs and MES systems through standard protocols.





Supports

- Multi-brand tools
- Barcode systems
- PLC connectivity
- SQL databases

Connected Manufacturing Platform

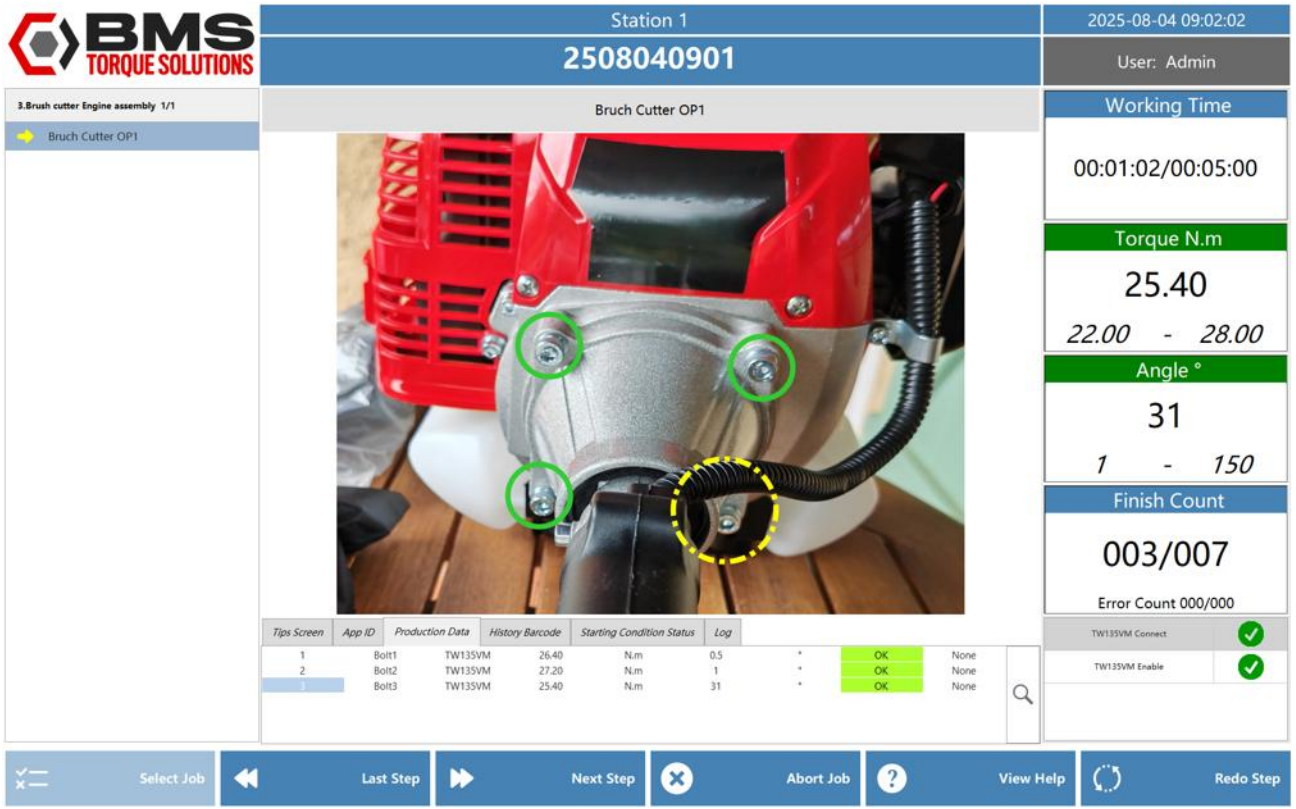
AGS provides a central platform linking:

- Operators
- Assembly tools
- Torque stations
- Barcode Systems
- PLCs
- MES systems
- Quality databases

Capture, analyse and report assembly data in real time to improve quality and reduce production risk.



Visual work instructions and Error-Proofing



STEP –BY-STEP VISUAL GUIDANCE

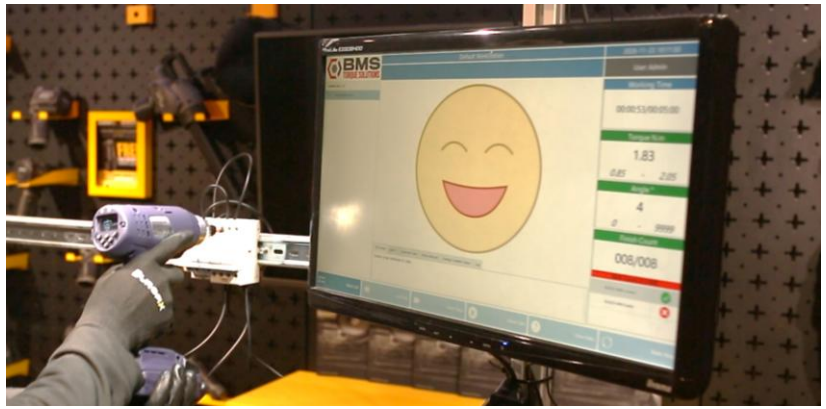
TORQUE & ANGLE FEEDBACK

OK/NOK MANAGEMENT

PROCESS COMPLETION TRACKING

Benefits & Applications





KEY BENEFITS

- ✅ Reduce assembly mistakes
- ✅ Faster operator onboarding
- ✅ Improve first-pass yield
- ✅ Full process traceability
- ✅ Real-time production visibility
- ✅ Better process compliance

INDUSTRY APPLICATIONS

- ✅ Torque-controlled assembly
- ✅ Safety-critical assembly processes
- ✅ Medical device production
- ✅ Automotive assembly
- ✅ Aerospace manufacturing
- ✅ Industrial equipment assembly

Ready to improve your assembly quality?

Request a demonstration or assessment.

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Contact BMS Torque Solutions