

On-Board Smart Arm Capability and Process Visualization with the Gen IV ACE Controller

Error-Proof your Fastening Process



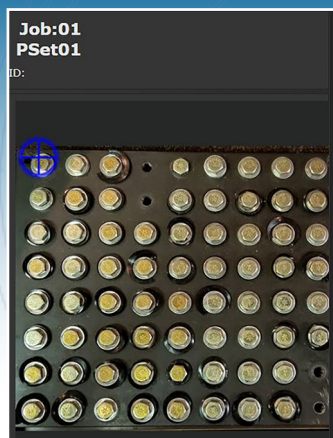
AcraDyne Gen IV Controller's smart arm capability provides an advanced error-proofing solution to ensure the quality of your fastening operation. The process requires no external PC or software – the capability is on-board every Gen IV controller.



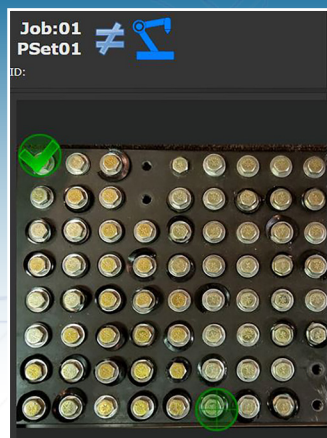
FEATURES AND BENEFITS

- Easy-to-follow visual guidance on the Gen IV controller graphical screen
- Easy setup – programming takes only minutes
- Once fastener locations are programmed into the Gen IV controller, the system can perform specific actions on specific fasteners
- No external PC or third-party software needed. Control the process using AcraDyne's Gen IV Controller and its integrated software, which is provided free of charge
- Low-cost solution vs. competitive offerings that require third-party PC-based control
- Modular – can be added at any time to an existing AcraDyne system using the Gen IV controller
- No guesswork! Powerful Gen IV data collection enables diagnostics and analysis
- Works with both continuous and discontinuous drive tools

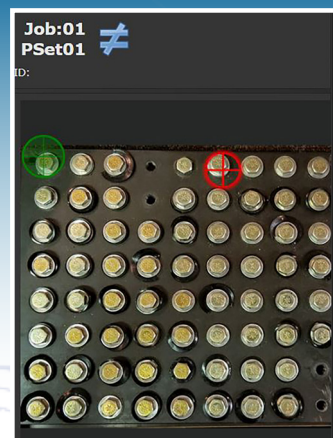
The Gen IV controller provides easy-to-follow visual guidance directly on the graphical screen.



Tool in position over Bolt 1



Bolt 1 OK, Direction to Bolt 2



Tool in wrong location

Gen IV Smart Arm System with Process Visualization

Smart Arm Accessory:

- Requires no external PC or third-party software for operation
- Gen IV Controller Software integrates with plant manufacturing execution software or allows custom programming

Encoders located at each joint of the arm.

Gen IV Controller captures fastening-process data:

- Data captured and reported in real time with torque and graphing capabilities
- Curve results presented in real time or from stored results
- 20,000 curve results can be stored in memory
- Monitor, control, and report torque, angle, engineering units, fastener count, job/job sequence
- Multiple fastening strategies: 256 parameter sets with 20 stages
- Jobs capabilities – 99

Smart Arm guides operator in the specified torque pattern and counts fasteners required for correct assembly.

Tool operates only when it is at the correct specified fastener location.

Custom image of run screen with preprogrammed fastener locations/specifications. Updates in real time.



Smart Arm Accessory

Gen IV Controller with Large 7" Touch Screen

INDUSTRY 4.0

QUALITY – INNOVATION – SERVICE



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