Programming and Real Time Monitoring Software
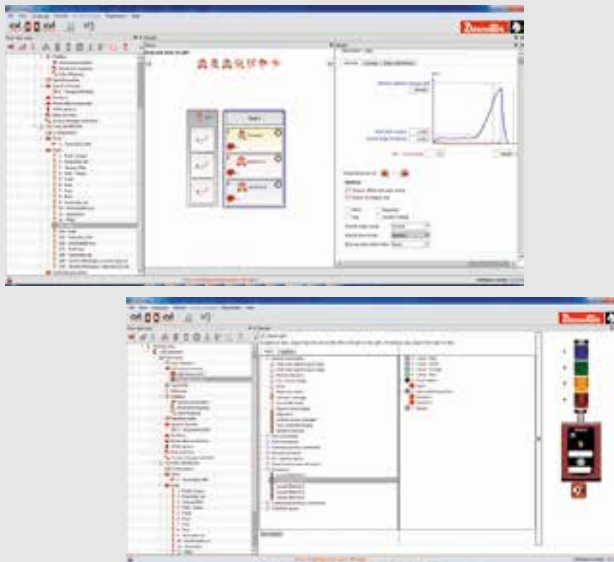
CVI CONFIG - PROGRAMMING (INCLUDING CVI MONITOR)	CVIKEY - ACCESS LEVEL MANAGEMENT

FEATURES

CVI CONFIG to set any point to point or via network with an intuitive and guided interface

User-friendly interface
• Configurable complete Assembly line view in the tree area
• Easy Tool/PSet setting including Quick Pset & learning mode
• PSet steps definition with drag & drop feature and Intuitive settings with curve template
• Fast learning curve with contextual help
• Real time error-proofing consistency check

Advanced process control
• Complete process logic mapping including tightening & non-tightening operations with Assembly Process

High flexibility
• Dynamic mapping for I/O, fieldbus with drag & drop feature
• Including Geopositioning set up
• 2 ways transfer of all parameters between stations & PC
• Real time access to tool parameters/counters (partial/total number of cycles performed by the tool/cable)
• Test mode to check torque transducer, angle encoder, brushless motor
• Complete backup/restore of stations

CVI MONITOR (included in CVI CONFIG) to monitor results, maintenance and diagnostic in real time

Real-time Monitor
• Results
• Curves
• Statistics
• Export in csv format

Maintenance
• read the counters of the tools, controller and cables
• set preventive maintenance alarms
• reset the counters and alarms
• tool calibration
• autocalibration with Delta 6D

User info History
• Alarms history (logs)
• Problem solving guidance

CVIKEY to create & manage tailor-made access rights per user profile

Tailor made protection
• Intuitive software to create/manage access level
• Protection guaranteed by unique profile keys created by the administartor (locked against copy)

Simple interface
• Plug & Play USB key
• 4 profiles already available by default

High flexibility
• Unlimited number of profiles
• Set up the right access level for the right

Desoutter

Traceability and Data Collection Software

CVI ANALYZER - TIGHTENING DATA ANALYSIS	CVI NET WEB - DATA COLLECTION

FEATURES

CVI ANALYZER to import tightening data and analyze results thanks to customized filter and report.

Flexibility
- Complete Factory and Assembly line layout definition
- Multi User Profiles definition
- Complete Factory and Assembly line layout definition
- Multi User Profiles definition
- Advanced customized filter definition
- Advanced data searching
- Multi tab view

Traceability
- Unlimited CVI3 results and curves collection in local DB through plant network
- Complete back-up solution
- PSet history
- Including data import from USB key
- Result and Curve export in cvs format

Analysis
- OK/NOK distribution
- NOK distribution reasons analysis

CVI NET WEB to collect in real time 100 % tightening data in server database and review with web based interface. Any PC connected to network can access to results without any software installation on different client, it's enough to type web page address.

Full Traceability
- Real Time result and curve collection
- Real Time tightening errors
- Data storage in Server architecture
- SQL Server, Oracle, MySQL support
- Automatic uploading of missing data from Controller
- Alarm in case of disconnection and FIFO inside controllers
- Curve overlay

Statistical Analysis and Documentation
- Advanced OK/NOK reports and control charts
- Advanced NOK pareto analysis
- Cm/Cmk analysis according different standards (ISO, CNOMO, NF)
- Error Code Analysis & CVI3 User Info pareto diagram
- Team productivity report

Flexibility
- Administrator User
- Customized views and Filters
- Groups and Teams management
- Complete Plant layout definition
- Smart Identifier filtering
- Quick VIN result filtering

Report printing
- Export all results and curve directly from web page
- PDF, csv or txt export format
- Direct Printing from web page
- Printing of all tightening of a vehicle or a components by scanning the proper bar code
- CVI3 Assembly Process result and complete report in PDF, xls format

Open Protocol Adapter License
- To collect results from any controller having Open Protocol capability
- To collect results from Delta Wrench WLAN

Notifier License
- To send customized email or on-line notification triggered by specific CVI3 User Info