Quality Production Management
Introducing the OES solution for Quality Production Management

- An industry first for high performance detection of wire crimping defects with 100% traceability
- Monitors production and eliminates crimp defects
- Logs and reports production data for maximum quality assurance, productivity and OEE
- Records repair history and downtime by cause to help plan proactive maintenance
- Flexible, expandable and compatible with existing plant networks
- Error-proofs and speeds machine setup and changeovers
CPM5000
Next Generation Crimp Process Monitor:

- Powerful, flexible, expandable
- Easy to use touch screen
- For bench press & automatic machines
Process Flow:

1. Scan part # or WO
   - Does the part exist? (Yes/No)
     - Yes: Continue
     - No: Go to Scan applicator

2. Scan wire
   - Is the wire correct? (Yes/No)
     - Yes: Continue
     - No: Go to Scan terminal

3. Scan terminal
   - Is the terminal correct? (Yes/No)
     - Yes: Start learning
     - No: Go to Data Base

Data Base:

- Does the part exist? (Yes/No)
- Is the right applicator? (Yes/No)
- Is the wire correct? (Yes/No)
- Are the measurements correct? (Yes/No)
- Automatically load CFM parameters
- Start learning
- Start Production
Operator Scans:

- Work order
- Material
- Applicator
Crimp Quality Validation of First Part:

- Crimp dimension (height/width)
- Pull test
QPM Loads CPM5000 Parameters:

- Loads tolerances
- Learn enabled
Defective Crimps Chopped Automatically:

- CPM5000 detects crimp defect
- WireChop™ eliminates crimp defect from production batch
Crimp Data Stored to a Log File:

✓ Force signature
✓ Tolerances
✓ Pass/fail

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 QUALITY REPORTING
Production and Productivity:

- Parts produced, scrap rate
- Quality
- Machine utilization, uptime/downtime
Proactive Maintenance:

- Crimp presses and applicator tools
- Downtime by cause
- Repair history reporting
OPTIONS

Configuration Options:

- Standalone or central database
- Centralized crimp validation station

Central work station for crimp validation shared by several crimping stations

Plant Network
QPM FEATURES

- Adaptable - to all manual presses and automatic machines.

- Expandable – features and options. System grows with your needs and budget.

- Flexible – presses/machines optionally grouped with a centralized crimp validation station. – Install as a complete system or in stages.

- Compatible – with existing plant network.

- Open architecture - uses standard communication hardware and protocol.

- Cost Effective – test devices such as micrometers and pull testers are shared at multiple stations.
✓ Error proof the machine setup
✓ Efficient machine setup & changeover
✓ Optimize the quality monitoring systems
✓ Simplify the operator’s role & responsibility
✓ Manage machine maintenance proactively
✓ Improve operational efficiency
✓ Measure with 100% traceability
✓ Reduce scrap
Eliminating Defects for Over 30 Years

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