

TELSONIC Quality Control Center TQCC

Quality control integrated in the production process



Advantages at a glance:

- Full control – blocks production until tests are carried out successfully
- Time saving – test splice in less than 2 minutes
- Flexible – test procedure freely configurable
- Fully documented – all jobs are stored with image, width, height, pull- and peel force curve
- Extendable – add additional Telso®Splice and measuring equipment at any time

Telso®Scale Test Kit

Quality Assurance Test Kit for the Telso®Splice family



Advantages at a glance

- User friendly calibration kit
- The test is performed periodically and after maintenance
- All measurements are made at installed weld unit
- All results are recorded and stored automatically

Application area and industries

TELSONIC Quality Control Center TQCC is a quality control station that can interface with multiple Telsonic splicing machines on the production floor as a failsafe Quality Control system without a QC supervisor. The operator takes a pre-specified number of splices from a given welder to TQCC prior to the release of the machine for production shift. The fully self-contained TQCC station includes a pull-peel force tester, a precision weld nugget measuring device and a weld view camera for visual inspections. The user friendly software runs on an industrial panel

PC with resistive touch screen. Using a bar code, the operator recalls the splice from the given splicing machine at the TQCC. The pull-peel, weld width and weld final height are measured and recorded automatically. The operator is blocked from operating the machine by TQCC until the measured values are within allowed tolerances and are successfully verified by the TQCC. The Ethernet interface is routable over the company network for ease of monitoring. This fast process is very flexible and it is extendable to unlimited Telso®Splice splicers.

Features and benefits

- Full control – blocks production until tests are carried out successfully
- Time saving –splice test in less than 2 minutes
- Flexible – test procedure freely configurable
- Fully documented – all jobs are stored with picture, width, height, pull- and peel force curve
- Supervision – user and rights management
- Extendable – add additional Telso®Splice and measuring equipment at any time

Accessoires



Telso®QS
Measuring and process control software
Industrial Panel PC
15" touch screen



Telso®PF
Pull and peel force measurement device



Telso®WV
Splice inspection camera



Barcode scanner
For user login and job selection



Telso®HM
High precision distance measurement

Application area and industries

Telso®Scale is a complete kit that measures and allows calibration to ensure that the Telso®Splice ultrasonic splicer's maintenance and set up are done precisely and according to the manufacturer's settings. This user friendly kit includes the devices for accurately measuring the force, the width and the height in the weld area, as well as the amplitude of the horn. Each measurement is verified and the results are recorded and stored automatically. This verification of the equipment can be performed periodically. The on-screen step by step instruction for each measurement makes it a great failsafe

tool for consistent performance of the machine. The utilization of the Telso®Scale helps in ensuring that the ultrasonic splicers on the plant floor are running in accordance to the factory specifications.

Features and benefits

- User friendly calibration kit
- Step by step instruction with pictures and description
- The test is performed periodically and after maintenance
- Measuring the force in the weld area
- All measurements are made at installed weld unit
- Test is carried out with different calibre and forces
- Measure the horn amplitude
- Each measurement is verified
- All results are recorded and stored automatically



Telso®Scale Test kit



User friendly Software Telso®Scale



1. Check welding force



2. Check width and height



3. Check sonotrode amplitude



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