

Wire pre-test

Wire Processing

Testing in-line



Testing before processing

Continuity test:



The High Voltage Continuity Tester can be integrated in the production line as a separate operating unit. Detecting defects as Pin holes, Weak spot & Bare wire.

The instrument makes a constant surveillance of the insulation 360 degrees around the wire.

Pre-testing the wire before processing reduces the risk for producing hairpins with defects in the insulation.

Get full stored documentation of each meter on the complete spool.

The HVC is built with a Measuring Head and depending of the application a suitable electrode can be mounted on the top to get a fully integrated solution. In case of limited space for mounting it possible to separate the devices and use a wired connection.

Main spec:

Voltage : 350V – 6000V DC

Threshold 5-100µA

Line speed: 5 pins per second.

Ref. Datasheet for detailed information



Blister detection:



Blister is a defect hard to measure and even harder to avoid in production of enamelled wire.

With DSE Blister Detection Unit it is possible to determine and measure blisters in size down to 50µmeter and on all 4 sides. The alarm output signal can be used for cutting away the defect part of the wire.

The Blister Detection Unit shares processing Module and operation software combined with the HV Continuity tester.

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Main spec:

Blister >50 µm on four sides, maximum speed 35m /min



Wire Processing

Wire Cutting

Wire Stripping

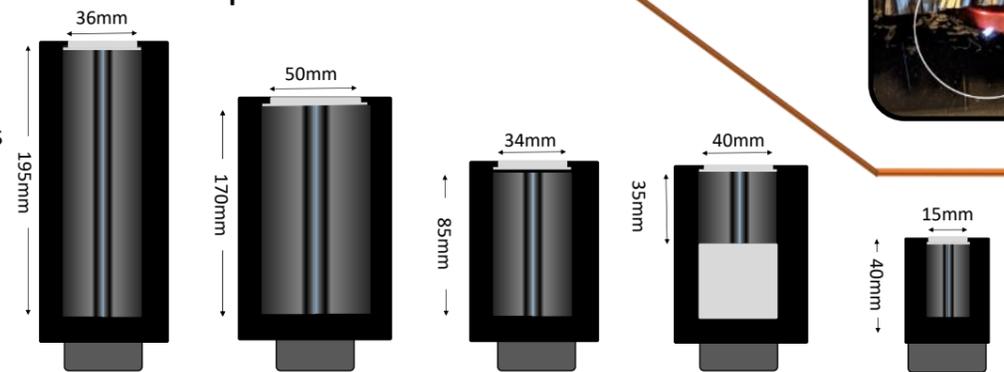
Wire Bending

Wire Test

Replaceable electrodes

Dimension range:

A number of customizes electrodes has been developed. Please contact DSE for other dimensions.



Detection of cracks and weak spot



Options



Integrated



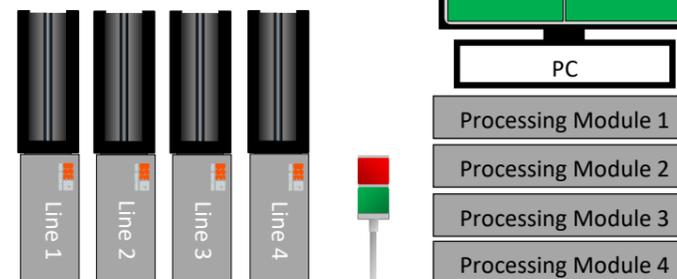
Separated

Solutions

Operation with PC:

Full surveillance and documentation of the wire being used in production. Operation of many production lines (99 lines)

Complete overview on PC screen also from remote. Background change for visible Alarm



Stand – alone operation:

HVC 360 SA model is for testing a Hairpin with **pass / fail function**. The HV tension and the sensitivity (threshold) is set directly on the Measuring Head as pre-sets. Any fault exceeding the threshold will generate an Alarm.

