

Essential in data and automotive cable production

"Centerview" type 8000 is designed for production lines of all rounds, single conductor wires, conductors and cables with single or multi-wire conductors and solid and foamed insulations. Applications are the manufacture of telephone wires, RF cables, LAN or coaxial cables and automotive cables. The system measures online the eccentricity, wall thickness, diameter and the ovality of cables with high single value accuracy. It is suitable for diameters from 0.25mm to 25mm. Sikora now presents the Centerview



"Centerview 8025" with 7-inch-monitor.
Photo: Sikora

8000 with a 7-inch TFT-monitor. Integrated in the gauge, it displays production data and automatically. The operation is menu-driven via touch screen. The special edition Centerview 8010 for micro-coax cables measures eccentricity, wall thickness, diameter and ovality of micro-coax-cables with a diameter from 0.05mm to 10mm. The measuring values are taken at four points (diameter) respectively at eight points (eccentricity, ovality) and visualized at the processor systems "Ecocontrol" 600, 1000 or 2000. The operator receives immediately information about eccentricity that can be instantly used for control or centering of the cross head. With the help of the presentation of the scatter plot of the measuring values the distribution of short-term variations of the eccentricity is graphically displayed – either at the integrated monitor or at the display and control systems. Every single dot of the scatter plot represents a single value of the eccentricity regarding value and direction.

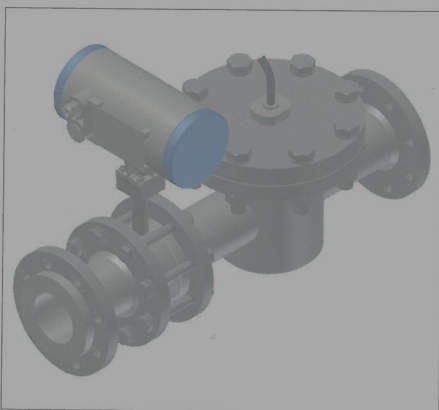
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Adapter for pickling bath makes installation easy and safe

For the concentration measurement in pickling and etching baths Sensotech developed an installation adapter to simplify the incorporation of the "Liqui Sonic" analyser into the process. The use of the adapter ensures the correct installation of the Liqui Sonic flange type sensor DN80 and the conductivity sensor into the pipeline system. The installation adapter is available for all pipeline systems with nominal diameters from DN80, 3inch or 4inch. The total length of the measuring distance is only a maxi-

mum of 1m in the installation adapter. Thus, the sensors can be installed with minimum space requirements. As a consequence of its thermal and chemical resistance against hydrochloric and sulphur acid, the installation adapter is made of polyvinylidene fluoride (PVDF). The maximum operating temperature is 100°C at an operating pressure of maximum 0,8bar. The adapter comprises a measuring adapter for the conductivity sensor including counter-flange and a cable adapter for the adaptation to nominal pipeline diameters of DN80 or two cable adapters for nominal pipeline diameters of 3inch or 4inch. Other additional components are gaskets and installation material. As a user-friendly complete system, the installation adapter is being installed with the sensors at Sensotech and delivered completely set up to the customer. This significantly simplifies the commissioning at the customer's site and ensures the proper functioning of the Liqui Sonic measuring technology.

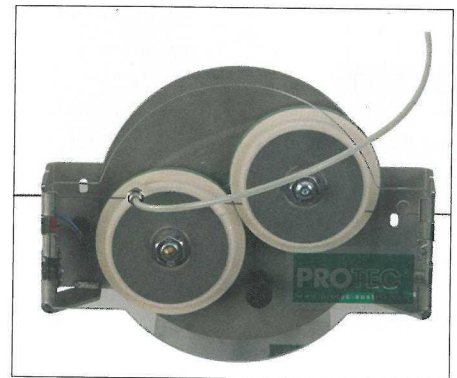
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Installation adapter with integrated "Liqui Sonic" flange type sensor and conductivity sensor.
Photo: Sensotech

Consistent welding-wire quality

Protec has developed a system for fine-cleaning and coating of welding wire. "WLS" stands for wire lubrication system. The System removes drawing oil residues and coats the wire with a fine layer. "WLS leads to perfect wire-surface quality and results in optimum welding performance", says Paul Hoffmann, Protec's general. The needs of feeding behaviour, ignition behaviour and consistent performance for welding wire did increase dramatically with growing automation of the welding processes and higher productivity goals. The Austrian firm developed this system with outstanding features in cooperation with wire manufacturers and end users. Core of the solution are special fluids, which are applied at the wire factory in best case, but can also be used by end-users directly at the welding station. Benefits in the welding processes are a stable arc, excellent ignition, an optimum feeding, high process stability, reduced spatter and reduced hydrogen entry as soon as higher lifetime of wear parts. For end users Protec offers the fluid "WLS04". It can simply be applied by felt pads and clips. Therefore a so-called "tandem method" is used: A pad soaked with this wire-balm is followed by a dry pad to wipe off overdose and dirt. At wire factory the application can be automated easily by using the tribo-cleaning-station



Special fluids, which are applied at the wire factory in best case, but also directly at the welding station.
Photo: Protec

"TCS-2U". The application at factory level leads to the additional benefit of protection for the wire surface (corrosion protection). Protec offers two fluid product lines for wire manufacturers: dry-balm "WLS03" – dry, waxy coating; with special corrosion protection – and WLS04: oily coating with additional cleaning effect.

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www.sikora.net/xray6000

»Your productivity is my vision.«

Klaudia Jenak, Production Management
Assistant of SIKORA AG



The SIKORA X-ray based measuring system X-RAY 6000 BASIC continuously provides precise measuring values for wall thickness, diameter and eccentricity in order to ensure quality in insulating and jacketing lines.

X-RAY 6000 BASIC

- For single-layer products
- Integrated 7" TFT touch screen indicating production data graphically and numerically
- Available with the processor systems of the ECOCONTROL series for automatic control of line speed or extruder rpm
- Availability: 99 %
- Return on investment: 6 months

SIKORA
Technology To Perfection



See us at wire Russia 2013, Moscow, June 25-28, Booth 7-4 A10

Wire drawing

Peripheral components

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Precision tools

Wire still is drawn by die-tools

page 26

Heat treatment

40% less energy consumption

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