

# SIKORA EXTRA

## TUBE & HOSE

### SIKORA AT THE INTERNATIONAL K-SHOW 2007: FOCUS ON SUPERIOR MEASURING AND CONTROL DEVICES

At the 17th K-Show 2007 in Düsseldorf SIKORA was highlighting its position as the premium brand with a veritable parade of exciting measuring devices and innovative control solutions. Among its show features, the manufacturer of reliable non-contact measuring and control systems for the plastics and cable sector was showcasing highly efficient new products for composite tubes as well as hoses in the automotive and industrial market segments. The LASER 2300 XY, which was developed for the measurement of extremely big product diameters, celebrated its premiere at the show. SIKORA was also presenting other show highlights in the state capital of Nordrhein-Westfalen like its groundbreaking Virtual Gauge



Technology VIRTUAL 2000 and the successful X-RAY 2000.

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#### THE LASER 2000 XY SERIES GROWS

The highly versatile LASER 2300 XY expands the LASER 2000 XY series and fulfils customer demands for measuring gauges for very big product diameters. As all SIKORA products the new gauge fascinates through its state-of-the-art CCD-line technology and impulse-driven laser-light sources, which allow extremely short exposure times of 0.3  $\mu$ sec and ensure a measurement of highest precision at all line speeds. The gauge head is strikingly powerful and can easily be integrated into every

location on the production line despite its size. The design of the LASER 2300 XY is exceedingly well thought out: The gauge head is open at the bottom and provides reliable measuring values in places with high levels of contamination. Calibration is performed exclusively during manufacture and is not necessary afterwards. The almost unlimited operation time of its laser light sources and the elimination of moving parts ensure freedom from maintenance.



LASER 2300 XY

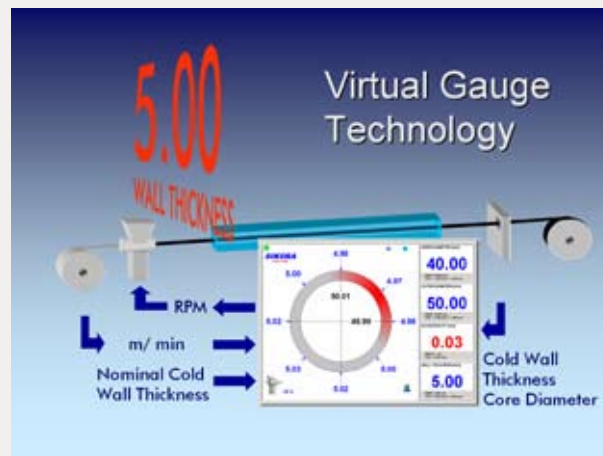
## SIKORA AT THE K 2007

### VIRTUAL GAUGE TECHNOLOGY FOR A RELIABLE AND FAST MEASURING VALUE CONTROL

With the new Virtual Gauge Technology SIKORA presents a unique method to optimize the extrusion process, to minimize the material over consumption and to simplify the operation of an extrusion line. The excellent potential of the Virtual Gauge Technology is especially noticeable for specific line configurations or individual product compositions. The superior technology controls the wall thickness of the product quickly and precisely at the nominal value even though a measurement of the wall thickness directly after the extruder does not take place. The basis of the design is the identification of the extruder through

the definition of its volume output. The volume output is recorded in a user-friendly way by the processor system ECOCONTROL 2000 in combination with a measuring device. ECOCONTROL 2000

displays the virtual as well as the real measuring value clearly on a 15" TFT touch screen monitor. The measuring device after the cooling section balances the actual wall thickness against the predicted one and controls the extruder to the specific wall thickness if necessary.



### BEST WISHES FOR 2008

An exciting and successful year draws to close and we would like to thank you for your confidence in us. We wish you happy holidays with your family and friends and a successful and happy 2008!

Best regards

Harald Sikora

Harry Prunk

# SIKORA

Technology To Perfection

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