



# SIKORA EXTRA

Your magazine for Hose & Tube | Sheets



SIKORA at the Fakuma 2021

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Counteract raw material costs  
with SIKORA measuring systems

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Dear readers,

Finally, it's time to breathe the air of the trade fair again! We are delighted that the long wait is now over and Fakuma is just around the corner. From October 12 to 16, 2021, the renowned trade fair for plastics processing opens its doors in Friedrichshafen. SIKORA will be on site. We cordially invite you to visit us at our booth A6-6110.

Convince yourself personally of our trendsetting technologies for quality control during the tube, pipe and hose extrusion. In advance we already show you in this issue which highlights you can expect at our booth.

Dr. Christian Frank  
CEO SIKORA AG

Rising raw material prices are on everyone's lips. Learn how you can save material with SIKORA measuring technology and thus counteract the increasing raw material prices.

We are looking forward to the personal exchange with you and to interesting technical discussions and hope you enjoy reading this issue!

Sincerely,

Dr. Jörg Wissdorf  
Executive Board Member SIKORA AG



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# WELCOME AT THE FAKUMA 2021

## Visit our booth A6-6110

From October 12 to 16, 2021 the Fakuma will take place in Friedrichshafen. SIKORA will be there again and presents innovative measuring and control technologies for the tube, pipe and hose industry. Look forward to the following highlights:

### CENTERWAVE 6000

For a complete quality control during the pipe extrusion SIKORA presents the CENTERWAVE 6000, which is based on millimeter wave technology. The device precisely measures the diameter, the ovality, the wall thickness, the inner profile as well as any sagging of the tube. The measurement process requires no coupling media or calibration and is free of influences such as temperature or plastic material. "The CENTERWAVE 6000 is easy to operate and impresses with its precision, resulting in highest product quality, material savings and optimum efficiency," explains Christian Schalich, Head of Sales Hose & Tube SIKORA AG.

### X-RAY 6000 PRO

The X-ray based X-RAY 6000 PRO measures the wall thickness, eccentricity, inner and outer diameter and ovality of tubes and hoses from 0.65 mm diameter. The thickness of up to three different material layers is measured. Automatic control of the line speed or extruder rpm ensures maximum productivity.

### LASER Series 2000

SIKORA's presentation at Fakuma is rounded off by reliable diameter measuring systems of the LASER Series 2000 and 6000. The 2-axis or 3-axis gauge heads are predestined for diameter measurement of transparent and non-transparent tubes, pipes and hoses.

Furthermore, SIKORA shows its PURITY systems for online inspection and sorting as well as offline inspection and analysis of plastic pellets. The devices are based on optical and X-ray technology and guarantee an optimum quality control of raw materials.



## Did you know that?

SIKORA LASER gauge heads can also be used at the end of the line for a final quality control. Thanks to the integrated lump detector function, the tube surface is inspected for defects and protruding defects are reliably detected. In this way, complaints from the end customer can be avoided.

In addition, the diameter values of the cold measurement provide information about the shrinkage behavior of the pipe and an additional ovality measurement is realized. Through the combination with an ECOCONTROL 600 processor system, the measured values can also be logged in detail at the end of the line.



## Visit our booth

For your visit to Fakuma we offer you a limited contingent of e-tickets. Use the QR code to go directly to registration.

Or feel free to write to us without obligation: [sales@sikora.net](mailto:sales@sikora.net)



# COUNTERACT RAW MATERIAL COSTS WITH SIKORA MEASURING SYSTEMS

Significantly shorten start-up processes in pipe extrusion and turn lossy wall thickness oversize into profitable extra length

"Use a measuring device and automatically save material and money." This sounds simple and it is. At least for customers of SIKORA AG. The Bremen-based technology company specializes in the production of measuring, control and inspection technologies. The systems are used worldwide in production lines for process optimization and quality control during the production of cables, pipes, hoses and plastic pellets. Especially against the background of the current shortage of raw materials and increased raw material prices, material saving and therefore cost efficiency is more important than ever.

For example, a control to the minimum wall thickness in combination with an optimum centering by the CENTERWAVE 6000 millimeter wave measuring system leads to potential material savings of approx. 5 %. This means that by avoiding unnecessary additional material consumption, a profitable extra length of 5 % is achieved at the same cost and the profit increases.

Likewise, the real-time measurement with the other SIKORA measuring systems enables a reliable line control during the running process. Thereby, an automatic control to the minimum wall thickness takes place by modification of the extruder output or the line speed. Safety margins in the wall thickness are thus significantly reduced. The measured values are permanently logged and are available for quality management in the form of trend and statistic evaluations over the entire production cycle or the individual product length. This reliably and continuously ensures the highest product quality.

SIKORA has developed its own tool, which can already calculate the possible savings potential before the purchase. If you would like to receive further information, please contact us at: [sales@sikora.net](mailto:sales@sikora.net).

SIKORA measuring technologies are used for process control in immediate distance to the extruder, right after a first cooling and precisely measure relevant product parameters during the running production process. The measured values such as wall thickness, eccentricity, diameter and ovality are available directly after switching on the system. They enable rapid centering of the extrusion dies so that unnecessary start-up scrap and safety allowances can be significantly reduced. This minimizes plastic consumption.

**Counteract raw material costs with SIKORA measuring systems**



# MAINTENANCE AND CALIBRATION FOR SIKORA DEVICES

Do not miss the benefits

SIKORA measuring devices are still as accurate as on the day of delivery, even after decades of use. A calibration (adjustment or calibration) for maintenance purposes or to ensure the measuring accuracy is not necessary. Regular calibration (checking and recording of measured values) is recommended or even mandatory. Furthermore, regular maintenance increases the reliability of your SIKORA devices.

For this reason, SIKORA offers individual calibration and maintenance programs with many advantages:

With the SIKORA maintenance programs you save time and resources. Do not worry any further about the planning and preparations of the maintenance and calibration dates. Within our maintenance programs we organize everything necessary to maintain and calibrate your devices in regular intervals.

You also save costs for calibration materials. SIKORA Service employees have certified test equipment and issue you an internationally valid calibration certificate according to the DIN EN ISO 9001 guideline. Thus, your customers can also rely on exact measuring results.



>>All calibrations are performed according to specifications of DIN EN ISO 9001.

The issued calibration certificate documents the tracing back to national measurement standards in order to demonstrate the measurement units in accordance to the International System of Units (SI).

The data given in the calibration certificate fulfill the requirements of DIN EN ISO/IEC 17025. Besides that, a clear statement about the status of the device is given as well as the fact, if the device operates according to device specifications.<<

– SIKORA calibration declaration

## All advantages at a glance:

- Regular maintenance (usually annually)
- Calibration according to international guidelines
- No need for own calibration equipment
- Internationally recognized certification
- Professional replacement of wear parts (device-dependent)
- Any abnormalities detected are rectified immediately
- Device availability remains stably high

We would be happy to inform you about our maintenance programs and all the resulting benefits for your production.

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## NEXT EVENTS



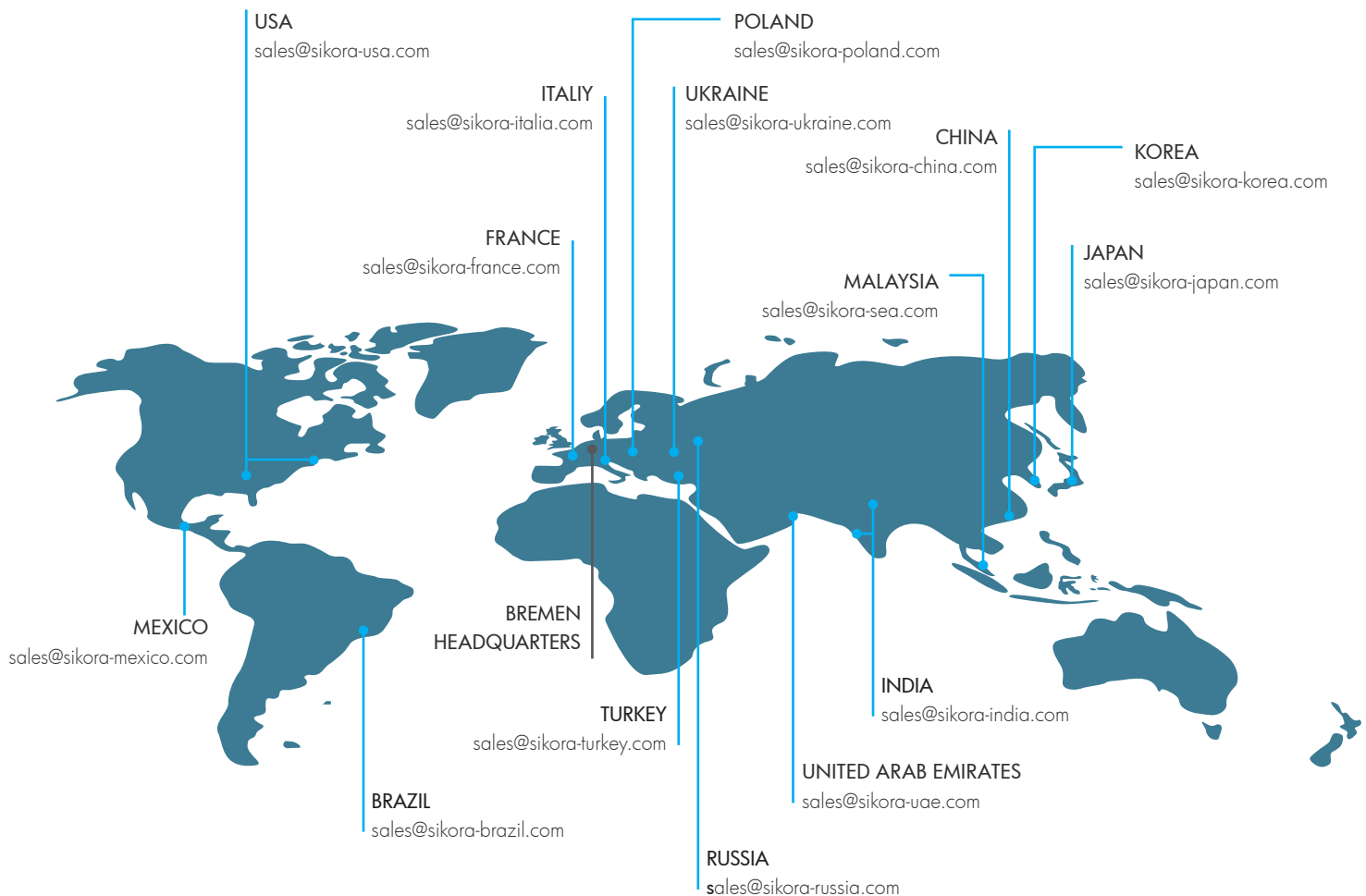
• Compounding World Expo |  
Sep 29-30, 2021 | Essen, Germany



• FAKUMA | Oct 12-16, 2021 |  
Friedrichshafen, Germany



• Compounding World Expo |  
Nov 3-4, 2021 | Cleveland, OH, USA



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