

# SIKORA EXTRA

Your magazine for Wire & Cable | Optical Fiber



A tempting investment –  
X-RAY 6000 PRO

04

Counteract raw material costs with SIKORA  
measuring systems

10



Dear readers,

It's that time again, our new issue of the EXTRA customer magazine is here. In this issue we dedicate ourselves among other things to the topic of fire protection for electrical cables. Learn how to comply with all legal standards with the X-RAY 6000 PRO and save material and costs at the same time.

In addition, you will read how the CENTERVIEW 8000 convinces on-site at the customer's plant and how you can fully utilize your measurement technology with our ECOCONTROL devices.

Aguinaldo Ramalho has been responsible for the Wire & Cable business unit since the beginning of the year. We introduce him to you on p. 08.

Dr. Christian Frank  
CEO SIKORA AG

In our Service section, you can also find out everything about our calibration offers.

Rising raw material prices are on everyone's lips. We show you how to save material with SIKORA measuring technology and thus, counteract the increasing raw material prices.

As always, we hope you enjoy reading!

Sincerely,

Dr. Jörg Wissdorf  
Member of the Board SIKORA AG



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# MAKE FULL USE OF YOUR MEASURING TECHNOLOGY!

## Optimized production processes with SIKORA's powerful ECOCONTROL processor systems

In the increasingly complex and automated wire and cable manufacturing industry, measuring devices that reliably measure required product parameters in real time have long been standard. However, measurement alone is no guarantee for excellent product quality. Only through the combination with display and control systems like the SIKORA ECOCONTROL Series the production process can be specifically controlled and optimized.

SIKORA offers three ECOCONTROL premium processor systems with 22", 15" or 8.4" TFT screens. All models are characterized by their simple and intuitive touch screen operation and a clearly arranged display.

### Data logging

Recorded production data can be stored on the internal SSD hard disk or directly on a server (Ethernet). Production reports (time, length and batch based) are also available for all ECOCONTROL models, which are used in quality control as well as in daily production to document product quality over a defined period of time.

### Interfaces and Industry 4.0

Furthermore, the ECOCONTROL Series has all standard market interfaces, such as fieldbus or OPC UA, to conveniently transfer measurement data to the plant control system or server structures. The devices are therefore "Industry 4.0 ready" and ideally suited for use in modern wire and cable production lines with increasing levels of automation.

### Automatic control

In addition to the display and documentation of measured data, the ECOCONTROL Series offers its own automatic control with the SET POINT module. Here, the processor system automatically modifies the haul-off speed or the extruder speed to control to the nominal value of the wall thickness. The ECOCONTROL models thus enable a higher degree of automation (especially for older extrusion lines) and guarantee maximum process reliability with increased productivity and simultaneous compliance with the given specifications.

All supplied information is compactly summarized on one page in three sections:





# HOW WE ACHIEVE OUR COMMON GOALS

Interview with Aginaldo Ramalho, Sales Manager – Wire & Cable SIKORA AG



Aginaldo Ramalho,  
Head of Sales –  
Wire &  
Cable at SIKORA

Mr. Ramalho, you have been working in Sales for SIKORA since 2017, initially you were in charge of Scandinavian, Portuguese and Spanish wire and cable customers. Since this year you are responsible for the business segment wire and cable. What do you like about your new job? My remit has expanded, of course. In my new role,

I am in constant contact with my international colleagues. In this way, I look after our subsidiaries, which now number 15. What I have always enjoyed is supporting customers in solving problems. Now there is also the cultural aspect. Each country approaches the topics differently, which is very interesting and varied.

**SIKORA offers a wide product portfolio, not only in the wire and cable market, but also in other business areas. What solutions do you have specifically for your W&C customers?**

The wire and cable market is still our most important market. We have grown up here and are closely intertwined with the industry. SIKORA is one of the few suppliers that can monitor every single step in the production of cables and wires. What distinguishes us beyond that is definitely our CENTERVIEW 8000, with which we precisely monitor the eccentricity or concentricity in the production process. But I can also highlight our X-RAY 6000 PRO X-ray measuring system, which helps our customers to precisely meet the required product specifications. Here, the demand has constantly increased in the last years due to the new legal requirements regarding flame resistance.

**What technological innovations can customers expect in the coming period?**

That is a very good question, but one that I would like to put on hold for a while. Personally, I am very much looking forward to the upcoming wire 2022, where we will present some new products that will expand our product portfolio. In addition, we will also be presenting some exciting further developments in order to meet increased customer requirements – and our own ideas – even better. You can look forward with anticipation and I look forward to presenting these to you in Düsseldorf.

**What are your plans for the coming months?**

I would like to accomplish an even closer exchange with our subsidiaries and our customers in order to get to know specific local needs better.

This is the way we will achieve our common goals.

Mr. Ramalho, thank you very much for the interview.



# MAINTENANCE AND CALIBRATION FOR SIKORA DEVICES

Do not miss the benefits

Even after decades of use, SIKORA measuring devices are still as accurate as on the day of delivery. Therefore, we would like to explain the term calibration in more detail: A calibration (adjustment) for maintenance purposes or to ensure the measuring accuracy is not necessary for SIKORA devices due to the measuring principles used. Our devices are immediately and permanently ready for use without calibration.

Nevertheless, a regular check of the delivered measuring values is desired by many customers of the end products, partly it is even mandatory. This process is also called calibration. Within the scope of the maintenance offers of our service – a good maintenance basically increases the lifetime of industrial systems – we therefore also offer this form of calibration.

**Individual calibration and maintenance programs with many advantages**

With the SIKORA maintenance programs you save time and resources. Do not worry 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.



>>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 customer-owned calibration equipment
- Internationally recognized certification
- Professional replacement of wear parts (device-dependent)
- Any abnormalities detected are rectified immediately
- Device availability remains stably high

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

We would be pleased to inform you about our maintenance programs and all resulting advantages for your production.

**SIKORA AG**

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# COUNTERACT RAW MATERIAL COSTS WITH SIKORA MEASURING SYSTEMS

Significantly shorten start-up processes in cable extrusion – for efficient resource management

"Use a measuring device and automatically save material and money." This sounds simple and it is. At least for customers of SIKORA. 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 savings and thus cost effectiveness is more important than ever.

so that start-up scrap and unnecessary safety allowances can be significantly reduced. This minimizes plastic consumption.

For example, a control to minimum wall thickness in combination with optimal centering by the X-RAY 6000 PRO X-ray measuring system leads to a material saving potential of approx. 3 %. This means that by avoiding unnecessary additional material consumption, costs are saved 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 statistical evaluations over the entire production cycle or the individual product length. Thus, highest product quality is reliably and continuously ensured.

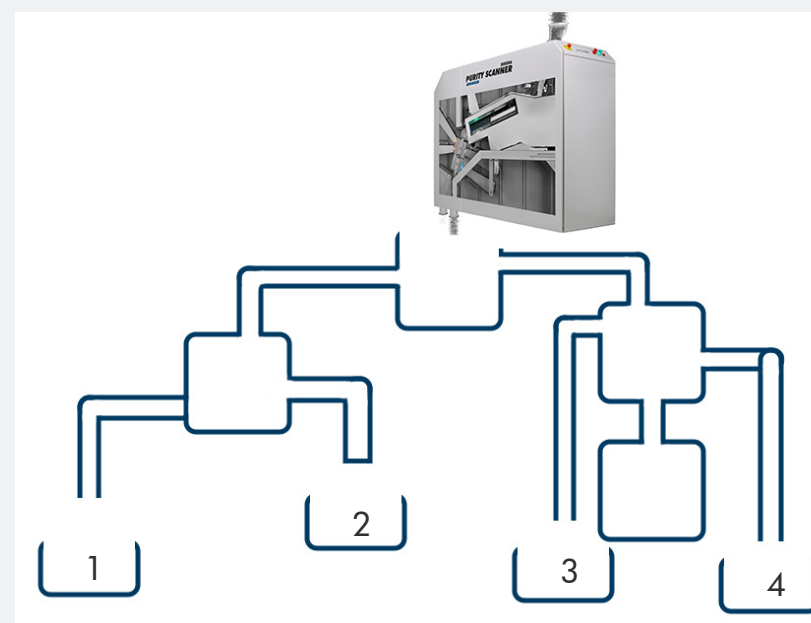
SIKORA has developed its own tool, with which the possible savings potential can already be calculated before the purchase. The SIKORA ROI (Return of Investment) calculator quickly and easily calculates which material savings are possible with the X-RAY 6000 PRO. For further information please visit [www.sikora.net/roi](http://www.sikora.net/roi) or contact us at: [sales@sikora.net](mailto:sales@sikora.net).

SIKORA measuring technologies are used for process control in the immediate vicinity of the extruder, immediately after a first cooling or at the end of the line 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 tools



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

## RAFFLE



**Which container is filled first?**

SIKORA's PURITY SCANNER ADVANCED inspects 100 % of plastic pellets online and automatically sorts out contaminated pellets down to a size of 50 µm. In our puzzle, the sorted plastic pellets fall into a packaging system.

Which container is filled first?

Send us your solution by e-mail by Jan 31, 2022, to: [extra@sikora.net](mailto:extra@sikora.net)

You can win one of three Promed Aroma Diffusers with ultrasound.



Your contact details will not be passed on to third parties. Each entry will be entered into the draw. Employees of SIKORA AG and SIKORA Holding GmbH & Co. KG and their relatives are not allowed to participate. Each person can only participate once. We will evaluate the first email, all following emails will be considered invalid. The legal process is excluded.

GOOD LUCK!

## NEXT EVENTS



• wire | May 9-13, 2022 | Düsseldorf, Germany



• Wire Expo | Jun 7-8, 2022 | Dallas, TX, USA



• wire China | Sep 26-29, 2022 | Shanghai, China

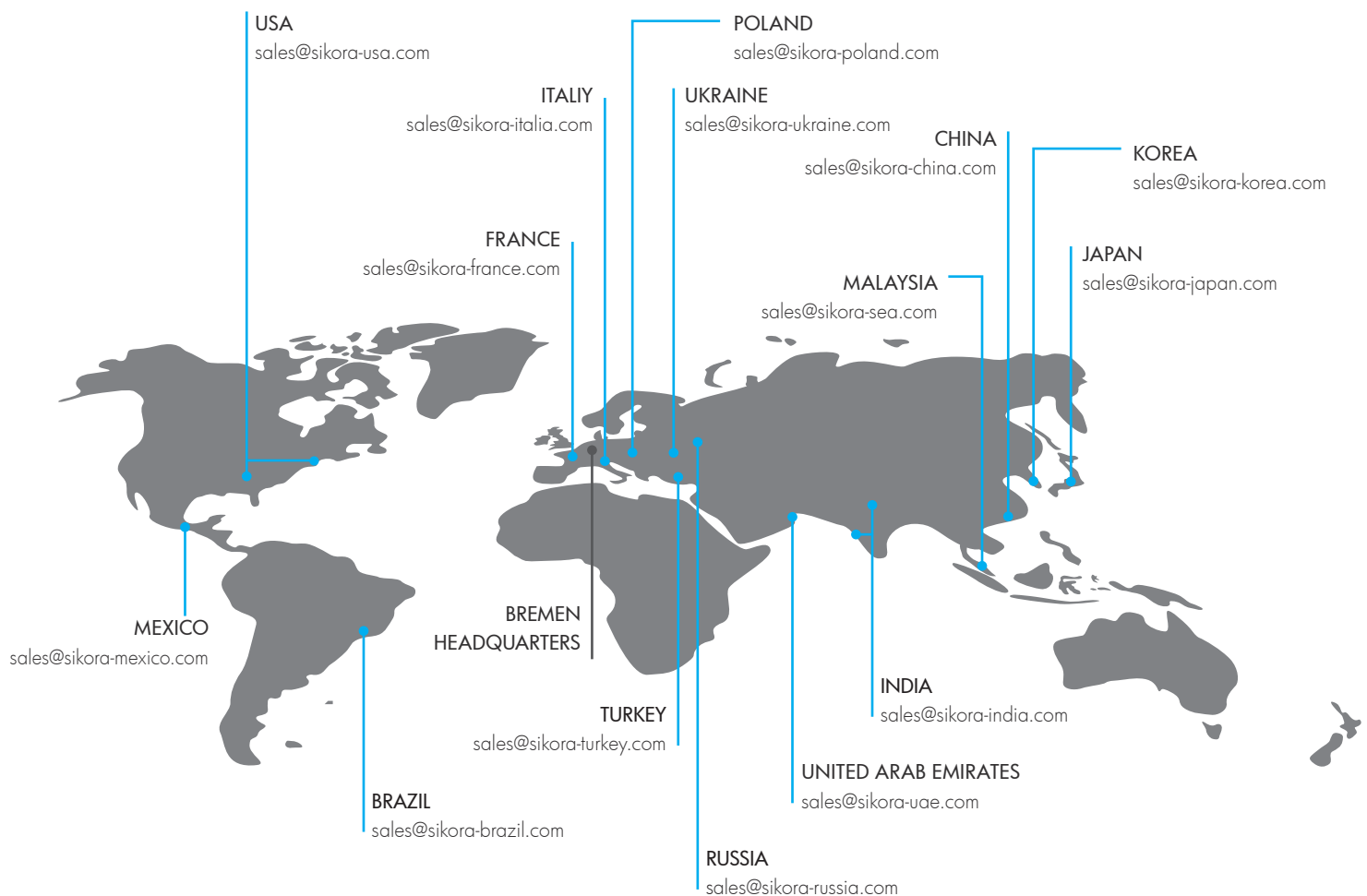
### Sustainability at SIKORA

Our environment is important to you, but you do not want to do without the informative SIKORA EXTRA articles? Register today at [extra@sikora.net](mailto:extra@sikora.net) and receive the SIKORA magazine conveniently via email instead of printed material.

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## Technology To Perfection

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