

# **SIKORA**EXTRA

Your magazine for Hose & Tube | Sheets

Special Topic:  
**SIKORA at the Fakuma 2017**  
Visit us at booth A6-6110

04

**SIKORA Raffle**

07



Dear readers,

Welcome to the Fakuma Special Edition of your SIKORA EXTRA. Again this year, we are present at the Fakuma from October 17 to 21, 2017, in Friedrichshafen, Germany. We cordially invite you to visit our exhibition booth A6-6110.

Get inspired in advance in a virtual tour across our booth by our technologies for quality control that we are going to present you live in Friedrichshafen.

Innovative systems for online inspection and sorting as well as offline inspection and analysis of plastic pellets for optimum material quality and highest process efficiency are awaiting you.

In the area of extrusion, we will present to you future-oriented systems for dimension measurement of hoses and tubes as well as for thickness measurement of plastic sheets. Get convinced by live measurements and the benefits of our technologies for process optimization.

A visit at our booth will reward you in many ways. Discover trendsetting technologies and take part in our raffle. Simply send us your selfie from our exhibition booth. The best picture will win one of three Bose® SoundTouch 10 speakers.

Experience one of the worldwide leading trade events for the industrial plastics processing with us. We are looking forward to meeting you personally soon.

Sincerely,



Dr. Christian Frank  
CEO SIKORA AG



Harry Prunk  
Executive board SIKORA AG



f. l.: Dr. Christian Frank, Harry Prunk

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Send us your best picture

# WELCOME TO THE FAKUMA.



# FAKUMA CELEBRATES ITS 25TH ANNIVERSARY – SIKORA IS ON SITE

Visit our booth A6-6110

At Fakuma in Friedrichshafen, SIKORA is following seamlessly on from its earlier performances at renowned trade fairs for plastics, such as K in Düsseldorf and Chinaplas in Shanghai. Innovative measuring, control, inspection, analysis and sorting devices for the hose, tube, sheet and plastics industries will be presented. Highlights are the PURITY SCANNER ADVANCED for online inspection and sorting of plastic pellets as well as the PURITY CONCEPT Systems for offline inspection and analysis of pellets, flakes and films/tapes. In the extrusion area, the focus will be on the CENTERWAVE 6000 for the measurement of large plastic pipes and the PLANOWAVE 6000 for thickness measurement of plastic sheets.

## PURITY SCANNER ADVANCED: Online inspection and sorting of plastic pellets with a flexible camera concept

A highlight at Fakuma is the PURITY SCANNER ADVANCED for online inspection, and sorting of plastic material. The unique combination of an X-ray camera with a flexible, optical camera system is the only technology at present that reliably detects contamination on the surface as well as inside of plastic pellets. Contaminated pellets are automatically sorted out. The user

PURITY SCANNER ADVANCED



### SIKORA Selfie Raffle

1. Take a selfie at our Fakuma booth
2. Send us your best picture
3. Get the chance to win a Bose® SoundTouch 10 speaker



PURITY CONCEPT X

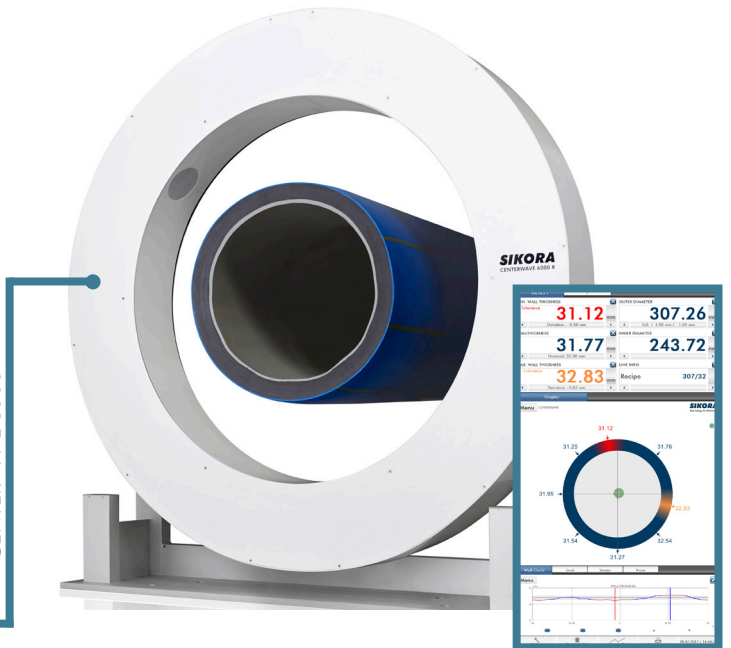
decides with which camera configuration the PURITY SCANNER ADVANCED will be delivered. Depending on the type of contamination and application, optical high-speed cameras as well as X-ray, color and infrared cameras are coming into use. "In conversations with customers we observe that not only inspection, but also data control and recording are becoming increasingly important. After all, it is this information that is finally leading to optimized processes and end products of the highest quality", explains Holger Lieder, Sales Director SIKORA AG.





SIKORA booth at the Fakuma

CENTERWAVE 6000



PLANOWAVE 6000

### CENTERWAVE 6000: Measurement of large pipes with millimeter waves technology

With the CENTERWAVE 6000, SIKORA presents a main actor for the measurement of diameter, ovality, wall thickness and sagging of large plastic pipes during the extrusion. The system is based on millimeter waves technology and measures pipes with a diameter from 90 to 3,200 mm. The CENTERWAVE 6000 is available in a rotating version, and thus, offers the complete recording of the wall thickness at 360 points of the entire circumference of the pipe. Alternatively, a multiaxial system is available with static sensors. Both systems measure completely contact-free, do not require any coupling media nor calibration and are independent of the material and temperature of the pipe. "Already one year after its market introduction, the CENTERWAVE 6000 is successfully in use in production lines", declares Holger Lieder. "The benefits are obvious: continuous, reliable and precise measurements over the entire circumference of the pipe. The technology delivers information for the centering of the extrusion tools and the thermal control of the line. Simultaneously, the minimal wall thickness is ensured – and this saves costs. Modern quality assurance cannot be more perfect", says Holger Lieder.

### Offline inspection and analysis of pellets, flakes and films/tapes with the PURITY CONCEPT Systems

For smaller material throughputs and for applications where sampling analysis or incoming goods inspection are sufficient, SIKORA's engineers developed the PURITY CONCEPT Systems. Alternatively, these analysis devices can be equipped with X-ray technology, optical cameras or infrared sensors and detect contamination in pellets, flakes, films/tapes and injection moulded parts. The PURITY CONCEPT Systems are used, for example, for analyzing pellets, which were detected and sorted out by the PURITY SCANNER. "The interaction of online and offline inspection and analysis allows a complete control of the cleanliness of the material and the setup of a database in order to further improve processes and to avoid future contamination", explains Holger Lieder.



LASER Series 2000/6000

X-RAY 6000/PRO

### PLANOWAVE 6000: Second member of the millimeter waves family for sheet extrusion

The PLANOWAVE 6000, like the CENTERWAVE 6000, is based on millimeter waves technology with the resulting technical benefits. The PLANOWAVE 6000 precisely measures the thickness of plastic sheets continuously during extrusion and over the entire width.



“The PLANOWAVE excels through highly precise and non-contact measurements of the sheet thickness during the running extrusion and delivers measuring values for the adjustment of the crosshead”, says Holger Lieder.



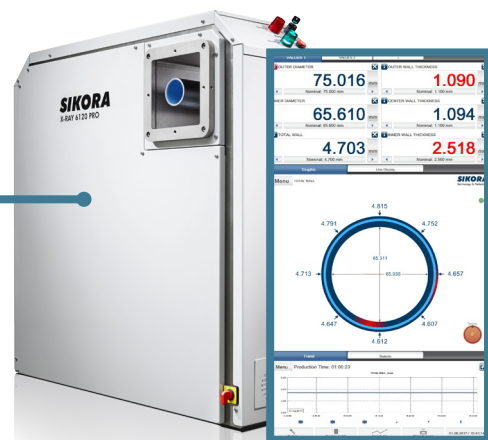
Holger Lieder,  
Sales Director SIKORA AG

### Comprehensive portfolio for measuring devices for hose and tube extrusion

For hose and tube extrusion lines, SIKORA's product spectrum ranges from devices for innovative diameter measurement with the LASER Series 2000 and 6000 to lump detectors for the detection of irregularities on the product surface and further to the X-ray



measuring systems of the X-RAY 6000 series. Due to the precise measurement of the inner and outer diameter, the wall thickness of up to 3 layers, the eccentricity as well as the ovality of products, the systems ensure manufacturers the highest quality as well as cost savings and profitability during extrusion.



Visit the SIKORA booth A6-6110.  
We are looking forward to meet you!

# RAFFLE



## Send us your best SIKORA Fakuma Selfie!

Visit our booth (A6-6110) at Fakuma 2017 and get to know our innovative measuring, control, inspection, analysis and sorting systems for quality control in the Hose, Tube, Sheets and Plastics industries.

To keep your stay in best memory take a picture of yourself on our booth.  
The best selfie wins!

Send us your selfie via:

Twitter: @sikoronet #sikoraselfie

WhatsApp: 0176 1489 0102

Email: extra@sikora.net

Closing date is November 15, 2017.

## Win one of three Bose® SoundTouch 10 speakers.



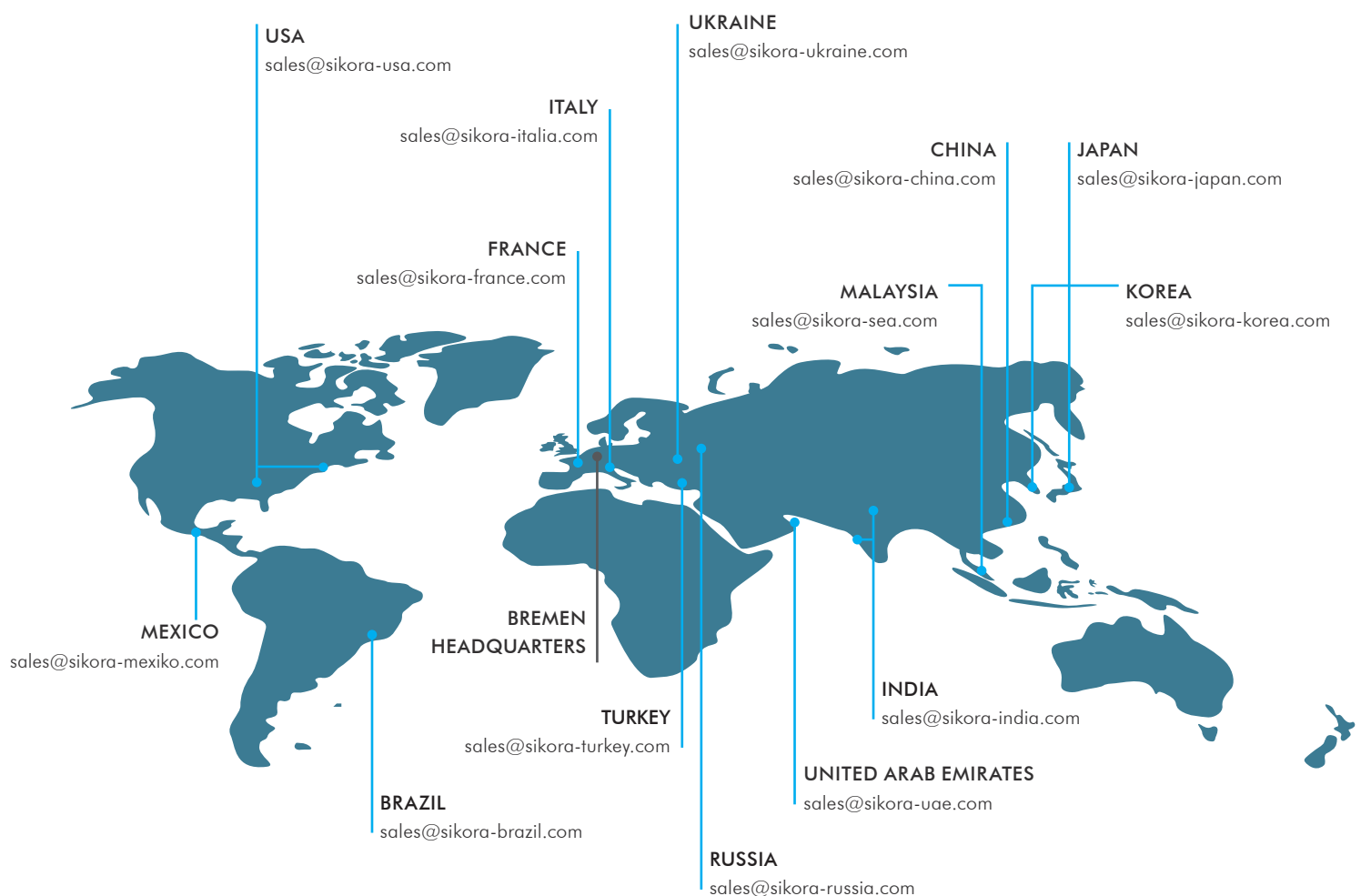
Your contact details will not be passed on to third parties. Please note that your submitted pictures may be published for advertising purposes. Each correct answer takes part in the raffle. Employees of SIKORA AG and SIKORA Holding GmbH & Co. KG and their relatives are excluded from participation. Each player can only participate once. We value the first e-mail, all subsequent e-mails will be considered invalid. The legal process is excluded.

**GOOD LUCK!**

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Technology To Perfection

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