

SIKORA EXTRA

Your magazine for Inspection | Sorting | Analysis



Why you should choose a
PURITY CONCEPT V

04

50 years SIKORA!

09



Dear readers,

In 2023, SIKORA celebrates a milestone anniversary. We are pleased that we have been supporting our customers with our measuring and control technologies for 50 years, and that we set new standards for the plastics industry together with you. For the anniversary, we have developed a logo that captures the spirit of the anniversary while combining pride in achievements and a forward-looking attitude. Find out more in this issue!

In addition, we show you how the PURITY CONCEPT V scores all along the line due to its fast and precise analysis. Find out, among other things, why RCS also relies on our laboratory test instrument for the analysis of rPET pellets.

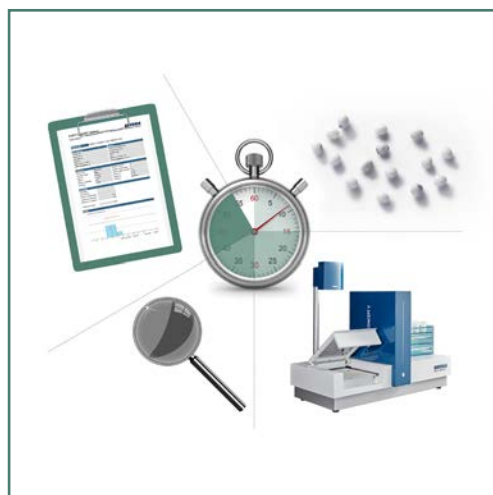
In addition, we would like to take the opportunity to present our recently developed new mission statement. You can look forward to these and other topics.

I hope you enjoy reading this issue!

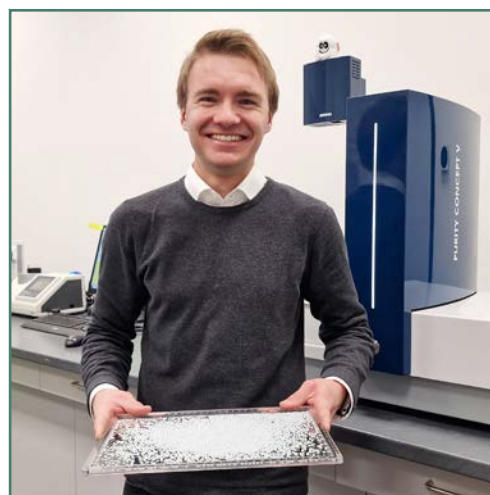
Sincerely,

Dr. Christian Frank
CEO SIKORA AG

CONTENT



04 – Why you should choose a PURITY CONCEPT V



06 – Success Story: RCS relies on the PURITY CONCEPT V



08 – SIKORA's European Service Hub



09 – 50 years SIKORA!



10 – Mission statement: We are SIKORA



11 – Raffle

WHY YOU SHOULD CHOOSE A PURITY CONCEPT V

Fast analysis and reproducible evaluation in one

Offline sample inspection is currently a standard used for the quality control of plastic pellets. With the PURITY CONCEPT V, SIKORA offers an innovative, semi-automated laboratory testing device that is intuitive to operate for fast, precise analysis.

In one minute, less time than it takes a coffee machine to conjure up a latte, the PURITY CONCEPT V generates a complete plastic sample evaluation, including a test certificate. The operator places the material on the sample tray and presses the start button. It doesn't matter whether it's plastic pellets, flakes or test plates. Black specks, color contamination, white spots or discolorations can be examined. None of these are a problem for the PURITY CONCEPT V. The system does the rest by itself. The material is scanned, analyzed and contaminants as small as 50 µm are detected. The test certificate, generated with the click of your mouse, contains all the details about the size, number and type of contamination, as well as an image gallery of all detected contaminants. Documentation and material release have never been so easy!

All detected impurities are marked on the scan image and highlighted on the sample tray. The operator can zoom in and out of the image on the monitor and click on individual contaminants. These are localized on the sample tray by crosshairs so that contamination can be separated easily for further examination. Even afterwards, the operator can re-read the data and repeat the analysis as often as he wishes with changing parameters. This ensures reliable results.

15 seconds
Report creation



15 seconds
Placing the material on the sample tray



15 seconds
Material inspection



5 - 10 seconds
Analysis and detection of contamination

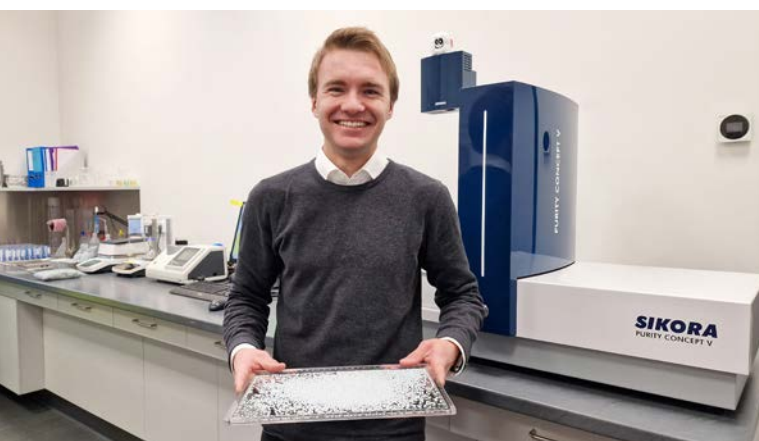


Convince yourself

Would you like to receive more information about the PURITY CONCEPT V or test the device yourself? At many trade shows, such as the PLAST in Milan, Italy, or the Fakuma in Germany, you can test the device live on site. In addition, our Plastics Sales Team will be happy to provide an online demonstration. Contact us by phone at +49 421 48 900 0 or send us an email to sales@sikora.net and make an appointment right away.

"NOT ONLY DO WE SAVE TIME, BUT WE ALSO GET CLEAR, REPRODUCIBLE RESULTS"

RCS relies on SIKORA technology for recycling



Cedric Steeg,
Employee in Quality
Assurance, holds
material sample in
front of the PURITY
CONCEPT V.

The RCS Group is a family-run, medium-sized recycling and waste management company founded in 1985 and based in Werne, Germany. Today, the activities are bundled into three business segments. While RCS Entsorgung GmbH coordinates the transport and disposal of waste for commercial customers, RCS Rohstoffverwertung GmbH sorts PET flakes for the non-food plastics processing industry. In addition, RCS Plastics GmbH processes the latter into high-quality regranulate for preform and beverage bottle manufacturers. To ensure the required food quality of the recycled material, the company group relies on SIKORA's PURITY CONCEPT V for the quality control of the rPET flakes and pellets.

Impurities in the material can lead to considerable problems in the production of beverage bottles with rPET pellets. In addition to the appearance, the functionality can also be impaired, so that bottles can even burst if the material quality is insufficient. Therefore, the RCS Group uses SIKORA's inspection and analysis system PURITY CONCEPT V in the laboratory to check the quality before further processing of the regranulate into preforms. A material sample containing 80 g of rPET pellets is placed on the sample tray of the testing device. Within 30 seconds, the tray is automatically moved to the inspection area, scanned with the integrated camera and analyzed. A projector marks con-

taminated pellets in color directly on the sample tray. Simultaneously, the affected material is displayed on the monitor with an indication of the size of the contamination. This facilitates the assignment and removal of contaminated grains for further analysis.

"With the PURITY CONCEPT V, we can find contaminants in just a few seconds. This previously required up to 45 minutes of manual sorting," says Pascal Renner, Head of Quality Management at RCS. "Not only do we save time, but we also get clear, reproducible results. With the system, we detect black spots as small as 50 μm ; the human eye can't keep up here." For quality control, the RCS Group has defined its own limits that the recycled material produced must not exceed. Immediately after sample analysis, it is apparent whether or not the batch meets the required criteria. The test results are documented and stored for traceability for 5 years. In addition to black spots, the recycling company also checks the material for butterfly grains. By evaluating the material with the PURITY CONCEPT V, conclusions can be drawn about any mechanical problems that may have occurred during granulation that lead to the undesired deformation. Additionally, the system can also be used to analyze amorphous and crystalline pellets as well as test plates.

The PURITY CONCEPT V impressed the RCS Group, as it reliably detects black spots and localizes them with precision. The company was also very satisfied with the consulting prior to the investment and the service of SIKORA during commissioning. "We are pleased that we have gained a reliable partner with SIKORA, with whom we will further advance the topic of recycling together," says Renner.



The clear marking the contamination on the sample tray facilitates the removal and further analysis.

INLINE INSPECTION, SORTING & ANALYSIS OF PLASTIC PELLETS



PURITY SCANNER ADVANCED

Unique in the marketplace

- Down to 25 μm – detects the smallest contaminants
- Combination of optics and X-ray – spots optical impurities & metal contamination
- Stainless steel vibration chute – operates wear-resistant for clean material transport



Video link

A POWERFUL TEAM – SIKORA'S EUROPEAN SERVICE HUB

Teamwork for SIKORA customers in Europe

Breaking down barriers, opening doors and flexibly responding to customer requirements – these are the cornerstones of the SIKORA European Service Hub. Since the beginning of the year, Service Technicians from Germany, France, Italy, Poland and Turkey have been working even closer together to flexibly offer the best possible customer service.

New technologies and constantly growing market demands are constant companions of everyday life at SIKORA. While the company started 50 years ago with only one device, today's product portfolio includes a variety of devices and technologies. Whether X-ray, optics, laser or millimeter waves – SIKORA offers the needed technology for quality control during production for every customer.

In order to provide each customer with a qualified Service Technician for upcoming tasks, SIKORA has established the European Service Hub. Since this year, Service Technicians from the Bremen headquarters (SAG) as well as the

subsidiaries SIKORA FRANCE (SFR), SIKORA ITALIA (SIT), SIKORA POLAND (SPL) and SIKORA TURKEY (STU) are deployed throughout Europe.

Among other things, Service Technicians from Turkey, France and Germany have been able to jointly carry out a maintenance program for several PURITY SCANNER ADVANCED units at one location. A Service Technician from the Turkish subsidiary was able to successfully support customers in Germany and Belgium, and further Europe-wide orders are planned. This creates greater efficiency in customer service, for example, to enable shorter response times.

Another advantage is that the joint assignments of the international Service Technicians will result in an even more intensive exchange of knowledge. This means that customers receive the best possible service with competent technical expertise.



SIKORA CELEBRATES 50TH ANNIVERSARY

Half a century of innovations

SIKORA proudly looks back on its company history as it celebrates its 50th anniversary this year. Since 1973, the company has been developing and producing innovative measuring and control technology to increase its customers' productivity. Ideas, passion and a pioneering approach are the mainstays of the company's success. This anniversary honors the achievements of the past and is a milestone to the future.

Within 50 years, the one-man operation has grown into a globally active manufacturer and supplier of measurement, control and inspection technologies. The 350 employees in Bremen and the 15 international subsidiaries support customers worldwide with innovative solutions and service. "I am very proud and humbled by how the company has developed over the 50 years," says Harald Sikora. He adds: "Then as now, the secret of SIKORA's success is characterized by innovations that always keep the customer one step ahead in the market; our passion for the products and the consistent focus of all activities are on the customers."



Harald Sikora,
company founder and
Managing Director of
SIKORA HOLDING
GmbH & Co. KG



Dr. Christian Frank,
CEO SIKORA AG

SIKORA does not reside in its past, but has ambitious future plans. "We look with pride at our past, at 50 years of measuring technology at SIKORA", says Dr. Christian Frank, CEO at SIKORA. "The 50 years are an absolute success story written by our employees. I have great respect for this team achievement and am very proud to be a part of it. It is our claim to offer innovative solutions for our customers today and in the future. This includes further developments of existing products as well as new technologies that meet the diverse requirements of customers, such as in the areas of digitalization, circular economy and electrification. We also want to meet the demand for technical solutions for quality control from a single source and further develop our portfolio in this respect," says Frank. The close partnership with the customers is also essential for Frank in the future:

"We thank our customers for the trust in the last 5 decades and look forward to the further cooperation in the next 50 years. We, the SIKORA team, still have a lot of plans."

The SIKORA anniversary logo



"For the anniversary, SIKORA developed a logo that captures the spirit of the anniversary while combining pride in achievements and a forward-looking attitude," says Katja Giersch, Head of Corporate Communications at SIKORA. Circular shapes evoke associations with cross-sections of cables, tubes and layers as well as pellets. At the same time, they symbolize a cross-section of the dynamic company history with many highlights marked by dots. The color magenta complements the typical SIKORA blue and cyan and gives the look a fresh modernity. "Three simple words sum up what SIKORA is celebrating: 50 years of groundbreaking ideas, the passion and commitment of the SIKORA team and the focus on a successful future," says Giersch.

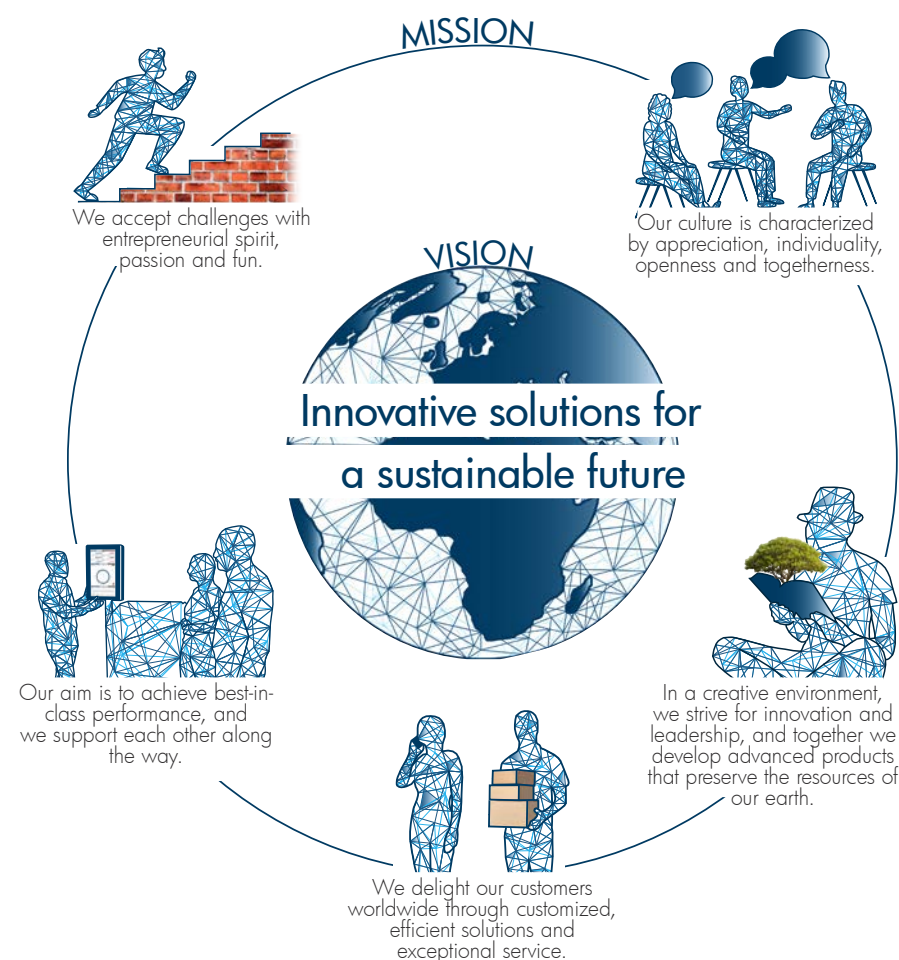
SIKORA MISSION STATEMENT – WE ARE SIKORA

Who are we and what do we do; where do we want to go, and how do we do it?

The SIKORA corporate culture is unique and deeply rooted in history. Over many years, we have developed a very special culture, which we have written down in the "SIKORA Mission Statement". It forms the foundation on which everything is built and which helps us to achieve our goals.

The SIKORA mission statement includes four supporting pillars to shape the future:

1. The vision defines what SIKORA as a company wants to do and be in the future.
2. The mission describes how SIKORA wants to achieve the vision.



At SIKORA, we understand our mission statement as a compass for the company. It serves employees and customers at the same time as orientation and offers the answers to the questions: Who are we? What do we do? Where do we want to go? How do we do it?

Long-term planning and strategic orientation can also be derived from a mission statement. At the same time, it sets limits and guard rails to keep the company on the desired path for the future.

3. The corporate values provide reliable guidelines for daily conduct and guide decisions across all areas of the company.
4. The leadership principles reflect the principles of leadership work, how relationships and cooperation are shaped and how decisions are made.

Thus, SIKORA creates an environment for best possible results and ensures the long-term success of our company and our customers.

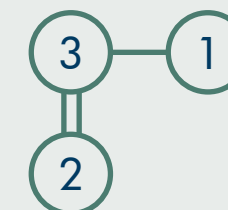
RAFFLE



Hashiwokakero

Connect the individual numbers with a single or double line(s). The lines may only be drawn horizontally or vertically. The height of the number indicates how many lines must touch the number circle.

Example:



To participate, email us a picture of your solution by August 31, 2023 to: extra@sikora.net

The prize is one of three electric beverage warmers.



Your contact details will not be passed on to third parties. Each entry takes part in the raffle. SIKORA employees and their relatives are unfortunately not allowed to participate. Each person can only participate once. We will evaluate the first e-mail, all following e-mails will be considered invalid. The legal process is excluded.

GOOD LUCK!

NEXT EVENTS



- PLAST | Sep 5-8, 2023 | Milan, Italy



- Fakuma | Oct 17-21, 2023 | Friedrichshafen, Germany



- IPF Japan | Nov 28 - Dec2, 2023 | Tokyo, Japan

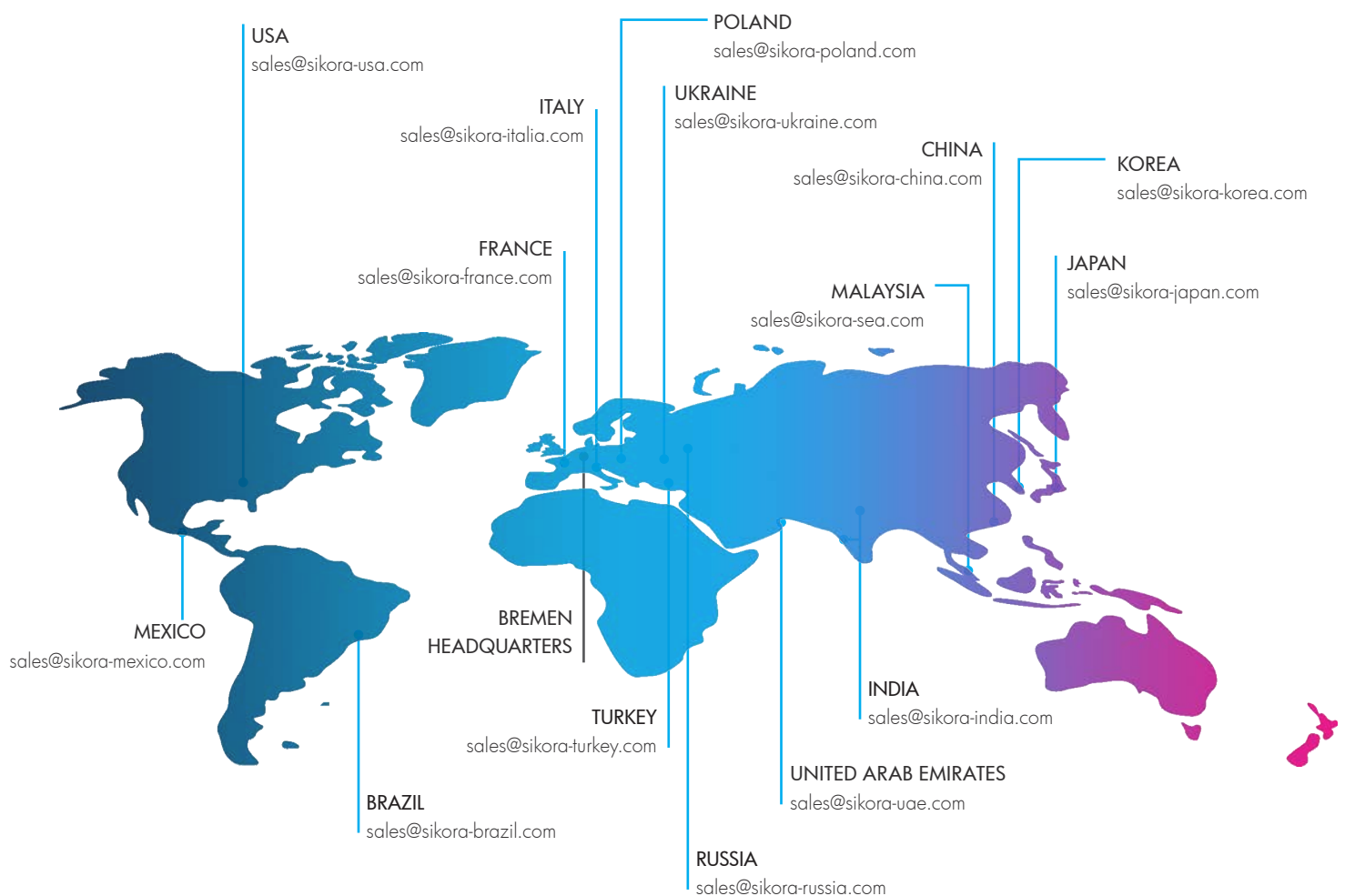
Stay informed

Don't want to miss out on the EXTRA's informative articles? Subscribe today at extra@sikora.net and you will receive the SIKORA magazine conveniently by e-mail.

SIKORA

Technology To Perfection

SIKORA AG
Bruchweide 2, 28307 Bremen
Germany
Phone: +49 421 48900 0
www.sikora.net, sales@sikora.net



Publisher
SIKORA AG, BREMEN

Editor's office
SIKORA AG, Bruchweide 2, 28307 Bremen, Germany
Phone: +49 421 48900 0
communications@sikora.net, www.sikora.net



<https://www.instagram.com/sikoranet>



www.twitter.com/sikoranet



www.linkedin.com/company/sikora-ag



www.youtube.com/sikoraag