

NEWS.

THE SCHWANOG NEWS FOR CUSTOMERS,
EMPLOYEES, AND FRIENDS OF THE COMPANY.

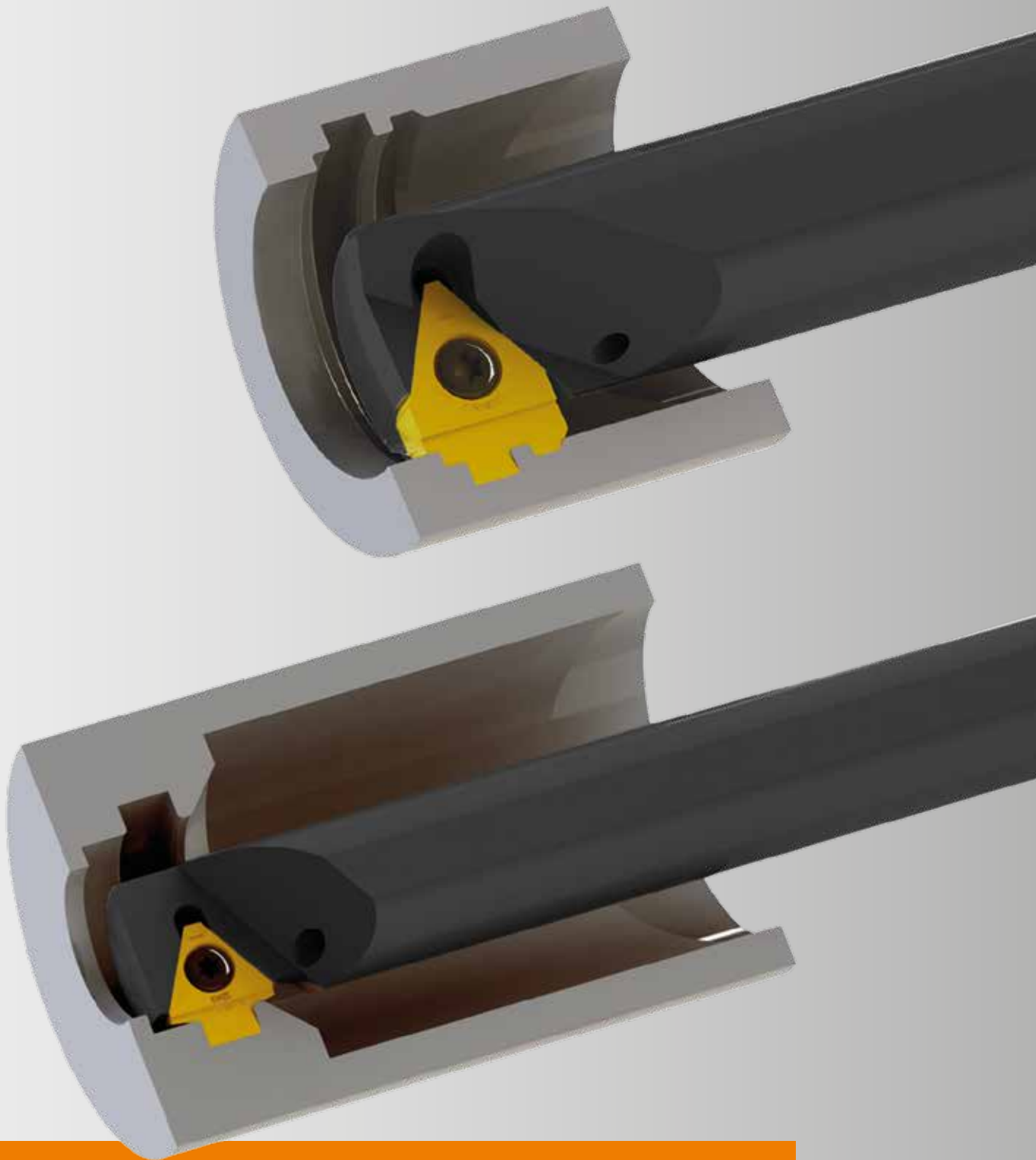
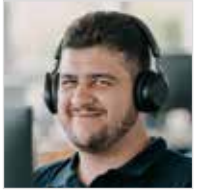
PAGE
03

Milling with Schwanog Tooling Solutions:
Milling with Schwanog tooling solutions has become a real success story in recent years. Whether it's milling special forms or ...



PAGE
04

Successful Europe-wide recruiting of skilled workers: Since March 2023, Bilal Moreno from Spain has been strengthening the Schwanog IT team and has already integrated seamlessly ...



Internal Grooving with the Schwanog PWP System:

PIWEK IS THRILLED WITH PRODUCTIVITY LEAP!

PAGE
02



EDITORIAL:

Dear business partners,

With our third issue of the Schwanog News in 2023, we once again provide you with an exciting blend of technical topics and updates from our international Schwanog locations. For instance, we have recently opened a new sales office in Mexico and have been actively operating in the market there with our own sales manager since August 1st. Please read the report on page 4 for more details.

As part of our globalization efforts, we are also taking innovative approaches in recruitment, and we are pleased to strengthen our IT team with an experienced employee from Spain.

In this issue, our technical focus is on milling with Schwanog tooling solutions. Please refer to page 3 for all current facts about milling of special forms and grooves with Schwanog.

And of course, don't miss our customer report featuring the machining specialist Piwek in Poland. With our PWP system for internal grooving, we were able to reduce cycle times by 45% on a significant precision part, once again demonstrating that substantial cost reductions in the high double-digit range are indeed our standard.

And a look back at our exhibition appearances at EMO in Hannover, CMTS in Toronto, and SOUTHTEC in Greenville, South Carolina.

Finally, we wish you much success in the fourth quarter of this year and look forward to supporting you with our ideas and solutions.

Clemens Güntert
Managing Director

SCHWANOG

Internal Grooving with the Schwanog PWP System:

MACHINING SPECIALIST PIWEK THRILLED WITH PRODUCTIVITY LEAP!

Piwek Centrum Obróbki Numerycznej Sp. z o.o. Sp. k., based in Rososzyce, Poland, is a family-owned company specializing in precision part machining for over 25 years. In addition to serving long-standing customers in Poland, their products are delivered to customers worldwide. The foundation of their success lies in their clear focus on meeting global customer needs, which is reflected in Piwek's six core areas of expertise: Machining, Grinding, Design, Measurement, Assembly, and Marking.

They operate with a modern and versatile machinery lineup consisting of conventional machines and several 3, 4, and 5-axis machining centers. This diversification allows them to serve a wide range of industries, including railways, mining, hydraulic power, pneumatics, printing, automotive, as well as the food, gas, agriculture, and other sectors.

High demands for quality and productivity are additional pillars of their success. State-of-the-art inspection and measurement machines enable continuous part monitoring during production and contribute to the optimization of manufacturing processes, aiming for the highest production standards.

With such high standards in the fiercely competitive precision parts market, Piwek found an ideal partner in Schwanog to enhance productivity.

Innovative Solutions from Schwanog!

While modern machinery and top quality are crucial in global markets, they are not the only factors needed to comprehensively meet customer expectations. That's why Piwek continuously optimizes the machining times of its CNC turning machines with the latest solutions. To boost productivity and reduce manufacturing processes, Piwek turned to solutions from Schwanog for grooving operations.

Piwek was highly satisfied with Schwanog's consulting services, recognizing the critical importance of selecting the optimal tool strategy to achieve their goals.

Internal grooving with Schwanog reduces cycle times by 45%.

By increasing the width of the Schwanog PWP internal grooving tool inserts from 6 to 14 mm, significant reductions in machining time for precision parts were achieved. Furthermore, the Schwanog tool effectively resolved the issue of chip breakage despite the considerable groove depth.

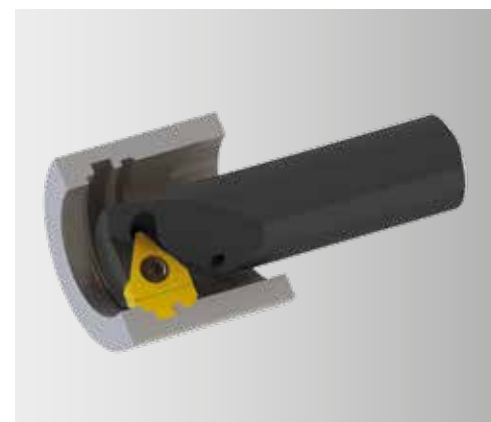
But that's not all. Another pleasant surprise for Piwek was the surface finish, with values ranging from Rz 1.6-3.2, which often allows the elimination of an additional finishing operation. Overall, with Schwanog tools, cycle times were impressively reduced by 45%.

Mateusz Piwek, Production Manager at Piwek, summarizes the benefits as follows:

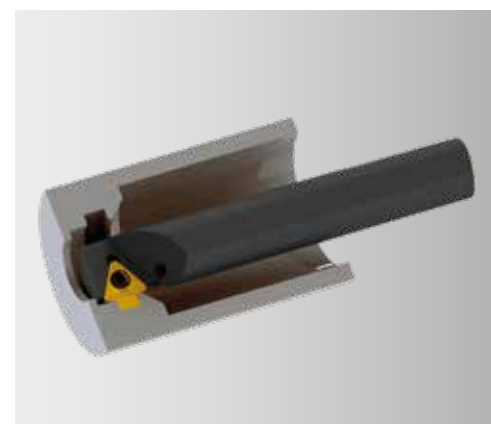
"I am pleasantly surprised by the professionalism of Mr. Łukasz Kuchciński from Schwanog, who has distinguished himself through tremendous dedication in the analysis, search for solutions, and their implementation, leading to increased productivity."

Piwek is fully satisfied with the solution developed by Schwanog. Furthermore, it was possible to eliminate the use of an additional tool for another operation. Surface finish is not insignificant here, as Piwek constantly strives to achieve a surface finish which is usually achieved through an additional grinding process.

Given the positive experiences, Piwek has agreed to explore further opportunities for implementing Schwanog tooling solutions in the future.



PWP insert with two grooves with coolant through



PWP insert with single groove with coolant through



Schwanog Sales Representative Lukasz Kucinski and Production Manager Mateusz Piwek

Regular Exchange of Skilled Workforce Strengthens the Community:

TRAINING WITH COMMITMENT AND ENJOYMENT AT WORK!



Regular exchange of skilled professionals at our international manufacturing sites is of great importance to us. This not only promotes expertise but also enhances understanding of the respective working conditions on-site.

In July, our American colleague, Joe Amstadt from Schwanog LLC, spent three weeks at our German headquarters for training on the Agie wire-cut machines. Lorenz Herbst, on the other hand, traveled to the USA for three weeks to train our new employee, Marsel Bebo, on the Haas grinding machines at the Schwanog LLC manufacturing site.

All colleagues were thrilled with the exchange and the new experiences gained and represent significant personal value for each employee.

Left Image: Joseph Amstadt (Schwanog LLC) and Franco Pascariello (Schwanog GmbH)

Right Image: Marsel Bebo (Schwanog LLC) and Lorenz Herbst (Schwanog GmbH)

Milling with Schwanog Tool Solutions:

EXCELLENT BENEFITS IN PRODUCTIVITY AND PROCESS RELIABILITY!

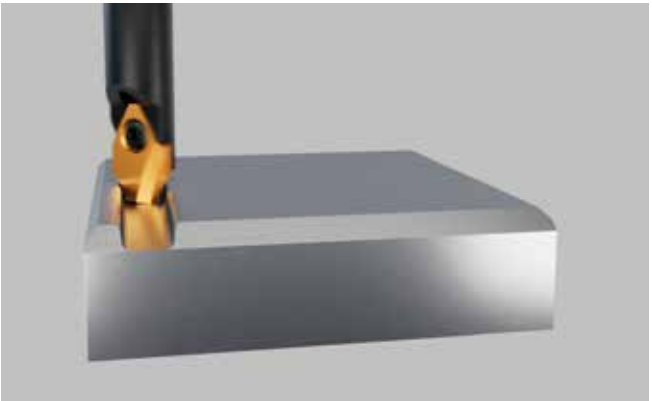
Milling with Schwanog Tool Solutions has evolved into a true success story in recent years. Whether it's milling of special forms or milling of grooves, we present to you excellent opportunities for optimizing your production processes and increasing productivity.

MILLING OF SPECIAL FORMS WITH THE SCHWANOG PWP SYSTEM



Broaching reaches its limits when the material of the part to be machined has a very high tensile strength. This is where milling with the Schwanog PWP system has proven its effectiveness. With the 2-edged insertable tool, special forms can be milled with a precision of ± 0.02 mm. Thanks to the quick-change capability of the inserts and a high changeover accuracy, machining can usually be continued immediately after a tool change without having to readjust the tool.

MILLING OF GROOVES WITH THE SCHWANOG PWP SYSTEM



Short grooves with shallow depths can be produced cost-effectively with a double-edged PWP end mill with an accuracy of ± 0.02 mm. Due to the quick-change capability of the inserts and a high changeover accuracy, machining can usually be continued immediately after a tool change without having to readjust the tool. Compared to solid carbide end mills, the PWP end mill has a significant price advantage.

MILLING GROOVES WITH THE SCHWANOG SOLID CARBIDE END MILL



Schwanog solid carbide slot milling cutters are not only used for materials with very high tensile strengths of 1100 to 1300 MPa but also offer a significant advantage in reducing manufacturing time. This is due to the ability to use up to 5 cutting edges simultaneously. Additionally, the solid carbide slot mill provides an accuracy of ± 0.01 mm.

Technical facts:

- ❑ Complete machining directly on the CNC turning machine with C-axis possible, elimination of the separate post-processing
- ❑ Fast and process-safe machining.
- ❑ Significant increase in tool life using optimal carbide grades and coatings.

Technical facts:

- ❑ Manufacturing tolerance ± 0.02 mm
- ❑ No further tool adjustment necessary when changing tools
- ❑ Process-safe machining
- ❑ Optimum tool life using selected carbide grades and coatings

Technical facts:

- ❑ Manufacturing tolerance ± 0.01 mm
- ❑ Process-safe machining
- ❑ Optimal tool life using selected carbide grades and coatings
- ❑ Suitable for materials with high tensile strengths
- ❑ Cycle time optimization

25th Company Anniversary:

RONNY THOME IS A TRUE SCHWANOG VETERAN!

On the occasion of Ronny Thome's 25th anniversary at the company, warm congratulations were extended during a small celebration. Company CEO Clemens Güntert had to convey his wishes a bit later, as he could not personally attend the celebration.

Ronny Thome is a true veteran in the Schwanog production team. After completing his apprenticeship as an industrial mechanic specializing in equipment and precision engineering, Ronny gained his initial work experience. In 1998, Ronny joined Schwanog, initially grinding profiles using a manual grinding machine. With the acquisition of the first STAMA milling center, Ronny transitioned to the milling department to produce Schwanog tool holders and continues to work there as an experienced specialist.

In his free time, Ronny enjoys riding motorcycles, caring for his vintage car, and is an active member of the fire brigade.

We look forward to many more years of collaboration and extend our gratitude to Ronny Thome for his contributions over the past 25 years!



From left to right: Team Leader Rudolf Schellenberg, Production Manager Franz Hummel, Ronny Thome, Deputy Production Manager Carsten Schwabe

New Sales Location in Mexico:

VICTOR BUSTAMANTE VILCHIS EMBARKS ON A NEW JOURNEY!

As part of Schwanog's global sales strategy, we are progressively expanding our presence to provide our customers with perfect on-site support. The Mexican market is becoming increasingly important to us, and we are delighted to have gained an experienced employee with Victor Bustamante Vilchis who started on August 1st.

As National Sales Manager, Victor Bustamante Vilchis will be responsible for sales and the development of customer relationships in Mexico. To be well-prepared for this challenging role, Victor spent two weeks training at Schwanog LLC in the USA.

Victor Bustamante Vilchis is 40 years old, married, and a proud father of two sons. Prior to joining Schwanog, he worked for 13 years in various areas of the manufacturing industry, including process, production, maintenance, and engineering. In the last three years, Victor worked as a consultant in project management and technical sales of cutting tools, as well as spare parts supply for multi-spindle automatic lathes. In his leisure time, Victor enjoys swimming, traveling, and spending time with his family.

We wish Victor Bustamante Vilchis great success at Schwanog and a successful start in the Mexican market.



Victor Bustamante Vilchis

Successful Europe-wide recruiting of skilled workers:

BILAL MORENO AHMED JOINS SCHWANOG IT DEPARTMENT!

Considering the ongoing shortage of skilled professionals in Germany, we have expanded our recruiting efforts to Europe and are pleased to welcome our new Spanish colleague, Bilal Moreno Ahmed, who has been strengthening the Schwanog IT department since March 2023.

Bilal consciously chose Germany and Schwanog as an innovative employer. The fact that his life partner and dog also moved to Germany in August underscores his long-term ambitions with Schwanog.

Bilal Moreno already speaks German very well, as he had previously worked in Germany. After completing his training as a specialist in computer science in Spain from 2011 to 2013, he pursued an apprenticeship as an electronics technician in Germany. He then returned to Spain to successfully complete further training as a programmer. Over the next three years, Bilal Moreno worked as an IoT Developer and IoT Lead Developer, developing Android and iOS mobile apps, redesigning software solutions, and installing remote monitoring systems for industrial processes, among other tasks.

With his expertise, Bilal Moreno is a valuable member of our IT department. He is enthusiastic about new technologies, the challenges of the future, and feels very comfortable at Schwanog. His hobbies include cycling, river hikes, photography, and spending time with his dog.



The entire Schwanog team wishes Bilal Moreno, his life partner, and his dog success in achieving both professional and personal goals and lots of joy in our beautiful Black Forest.

Our trades show teams active worldwide:

REVIEW OF TRADE SHOWS!

EMO 2023 was disappointing, but the trade shows in North America enjoying high demand again and confirm their great importance in the marketing mix of companies in our industry.

A critical review of our experiences at EMO 2023 in Hannover leads to doubts as to whether the EMO today still has the same appeal and relevance for our company. Despite its status as the world's leading trade show for production technology our expectations could not be met. In addition to the low visitor numbers, important industry leaders were also absent this year.

Nevertheless, as a leading provider of insertable form tool systems, we were able to have some interesting technical discussions. We are curious about how the situation regarding the EMO show will continue to develop and hope for positive changes in the future.

However, there was very positive feedback from our trade show teams at CMTS in Toronto and SOUTHTEC, South Carolina. First-class atmosphere, high visitor numbers with numerous new customers and competent exhibitors. These events become important trade shows for us in North America moving forward.



Southtec, Greenville



EMO, Hannover



CMTS, Toronto

SCHWANOG

75 years

Schwanog - Siegfried Güntert GmbH
Niedererschacher Str. 36 · D-78052 Villingen-Schwenningen
Tel. +49 (0) 77 21 / 94 89-0 · Fax +49 (0) 77 21 / 94 89-99
info@schwanog.com · www.schwanog.com