

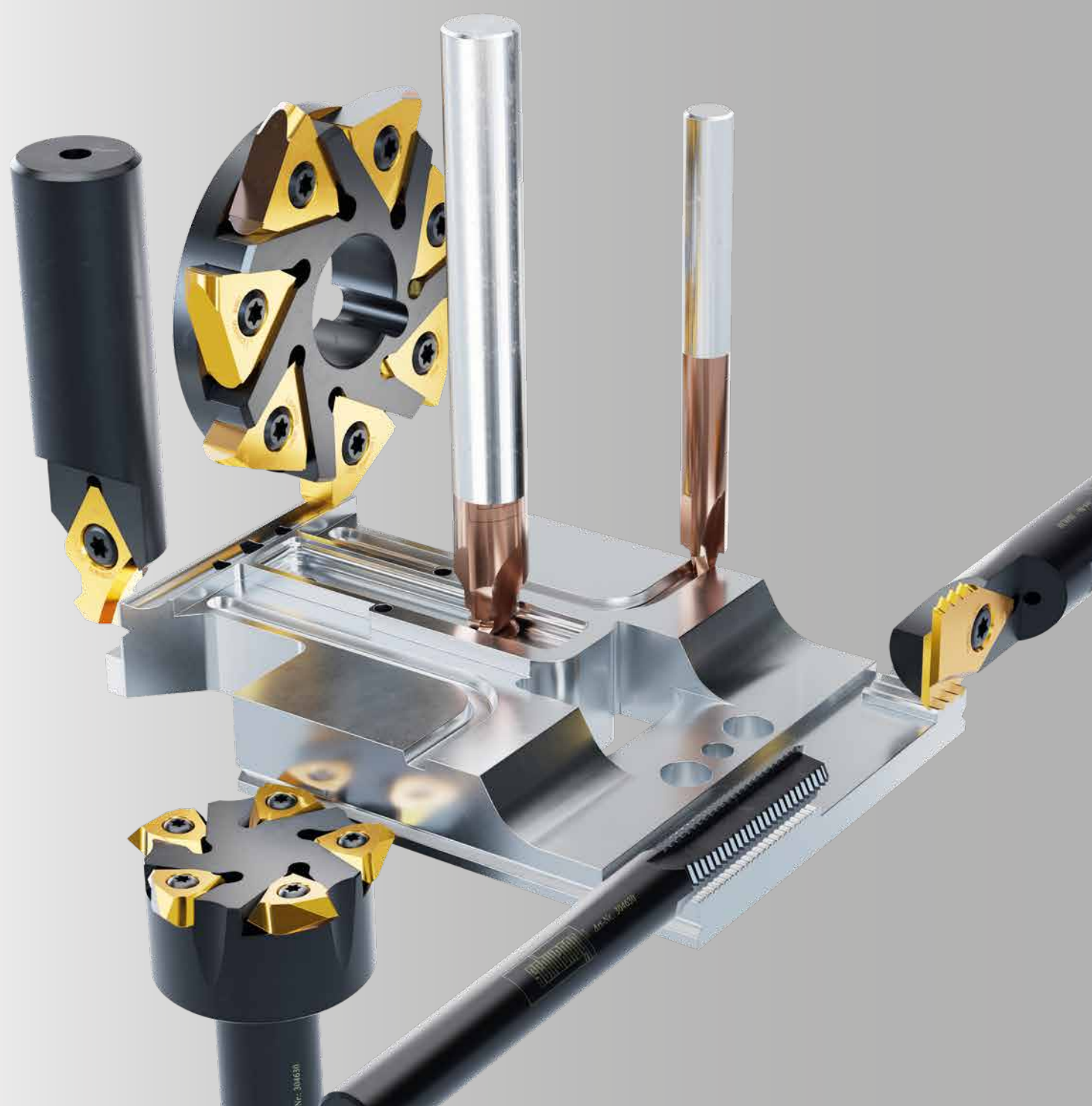
NEWS.

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

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EDITORIAL:

Dear business partners,

This year, we can look back on an eventful business year. We have all faced unique challenges and have worked hard to keep on track.

We are trying at all levels to strengthen our customer relationships with you and to boost your productivity with innovations and training.

You will find some prime examples in this latest edition. On page 2, for example, we explicitly present form milling with Schwanog tooling solutions, which can be used to significantly increase precision and productivity when milling grooves, serrations and special forms.

In addition to innovative products, we are investing more in our webinars, i.e. offering our customers practical solutions, such as the new Schwanog Configurator or Grooving with form tools, read more about it on page 3.

And we are also breaking new ground in our own process optimization with our first automated guided vehicle (AGV), see page 4.

Finally, we would like to draw your attention to our 7th Schwanog Technology Days, which we are organizing from June 4 – 5, 2025.

I now wish you a successful end to the year and a happy and prosperous 2025!

Clemens Güntert - CEO

SCHWANOG

Manufacturing complex profiles and contours:

PRODUCTIVE FORM MILLING WITH SCHWANOG!



Particularly when producing complex profiles and contours on a part, the aim is to exploit all production-related potential for maximum productivity. However, standardized milling operations and tools quickly reach their limits.

Schwanog also proves in form milling that significant advantages in productivity and precision can be achieved with tooling solutions individually manufactured according to customer drawing. Whether freeform surfaces, specific geometric forms or application-specific contours, individually manufactured Schwanog tooling solutions can optimally meet the special challenges of form milling. These include specific cutting conditions, minimizing vibrations, efficient chip removal or optimized cooling processes.

Benefit from the advantages of Schwanog form tools for your manufacturing processes. Whether milling special forms, grooves or serrations – we have the right solution for you.

Regardless of whether you need solid carbide, two- or multi-edge interchangeable milling inserts, we will select the optimal solution that fits your requirements.

Schwanog with a clear goal for CO₂ neutrality:

SUSTAINABILITY OUT OF CORPORATE RESPONSIBILITY!

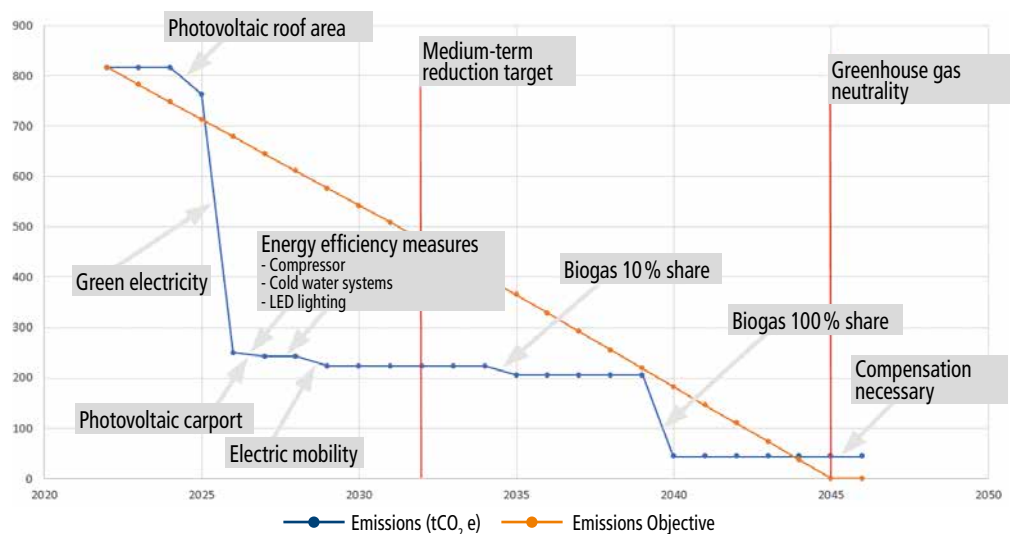
Responsibility for our environment has always been one of the corporate values practiced by Schwanog. Due to the significant global warming in recent years, we have increased our focus even further and developed comprehensive measures to reduce CO₂. Some of these have already been implemented or are subject to a clear timetable.

The measures already implemented include the commissioning of a combined heat and power plant in 2019, the installation of a photovoltaic system on the company roof in July of this year, and the recovery of heat from waste heat from machines and the combined heat and power plant.

But the energy-efficient LED lighting in all production areas, the regular compressed air leakage measurements and leakage repairs, and the efficient control of the central ventilation systems using intelligent controls also contribute to the targeted reduction of CO₂.

Further key projects have been implemented, including the switch to paperless production and the introduction of a CO₂ management system and an energy management system to measure and reduce greenhouse gas emissions.

We are looking positively at the future with the creation of a corporate carbon footprint for the 2022 calendar year and the development of a transformation concept to define long-term reduction targets.



Reduction path to climate neutrality

By 2045, Schwanog's transformation concept should achieve:

- Conversion to 100% green electricity starting 01.01.2025
- Climate neutrality from 2045 (0 tCO₂ e) – see reduction path above

New ideas through close dialog among specialists:

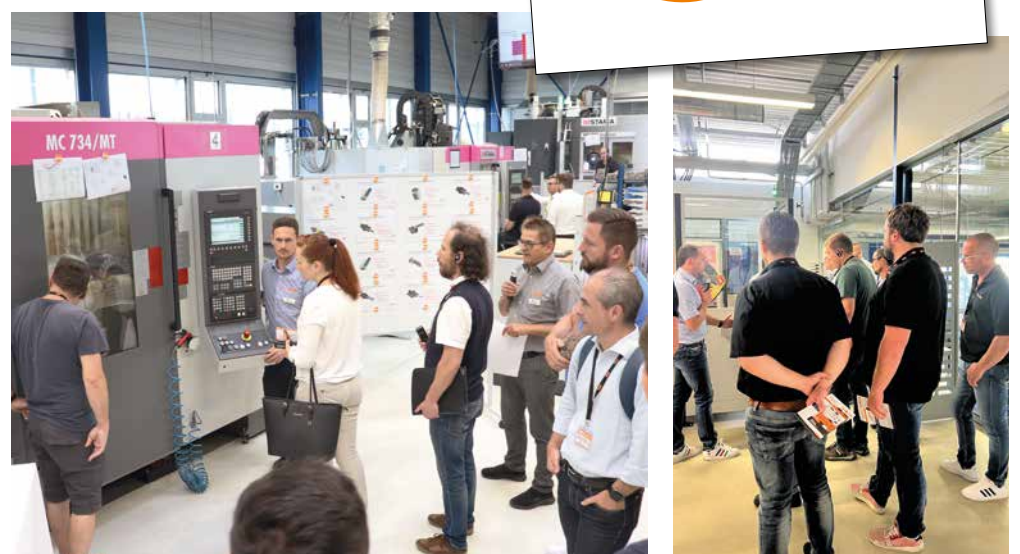
WELCOME TO THE 7. SCHWANOG TECHNOLOGY DAYS 2025!

We would like to cordially invite you to the 7th Schwanog Technology Days from June 4 – 5, 2025 in Villingen-Schwenningen. It is already a small tradition that we are proud of when we present innovative solutions for cost reduction with our close technology partners.

For the Technology Days 2025, we will again develop a diverse program with experts in all important manufacturing processes, which focus on strengthening the competitiveness of medium-sized companies.

So, you can already look forward to an exciting dialog with innovative minds from the center of the industry at our headquarters in Villingen-Schwenningen.

Please save the date today – thank you!



As our success grows, so do the applications:

SCHWANOG CONFIGURATOR WITH ADDITIONAL GROOVING TOOLS!

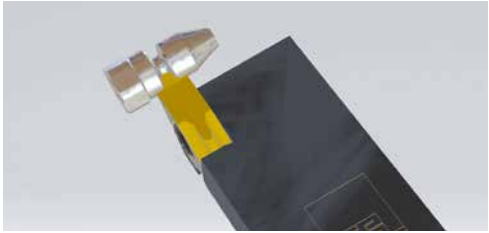
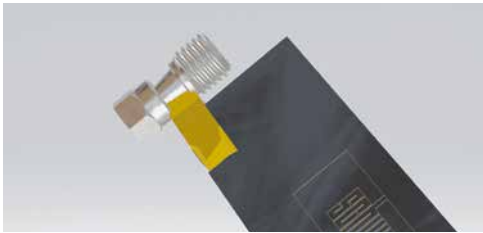
The digital Schwanog Configurator is a real success story, with more and more customers playing a part in it.

The Schwanog Configurator makes it possible to quickly and conveniently create tool drawings online. Predefined templates are available on the website and form the basis for customization using their parameters. The result is a customized solution that can be ordered immediately.

In addition to the whirling insert templates, templates for radial grooves are now available.

At the end of November, we offered a comprehensive training course on how to use the Schwanog Configurator. In this webinar, we showed our customers how to use this powerful tool efficiently to significantly reduce delivery times for new tools. If you are interested in the training video, we will be happy to send it to you.

Register now for free for our Schwanog Configurator and benefit from significantly shorter delivery times!



Click here
to register!

Achieving global goals together:

SUPPORT FOR OUR INTERNATIONAL SUBSIDIARIES!



Team Schwanog LLC with colleagues from Germany

With our global orientation and the establishment of subsidiaries in key markets, the challenges for our head office to synchronize processes and provide support in important organizational tasks are also growing.

In September, Daniel Brandi and Petra Grade visited our subsidiary Schwanog LLC in Elgin, Illinois. The topics were internal processes, the status analysis of software and hardware processes, and employee training.

Both our colleagues in the USA and we were enthusiastic about the spirit and motivation to initiate new projects together and further optimize existing processes.

After an intensive week of work and many new experiences, we returned to our headquarters in Villingen-Schwenningen. The visit resulted in numerous tasks and ideas, which are now being worked on at the headquarters to make future work even more efficient.

Successful event with high attendance:

GROOVING WITH FORM TOOLS WEBINAR OPENS PRODUCTIVITY POTENTIAL!

With our webinar about grooving with form tools on Wednesday, October 23, we were once again able to attract many customers and interested parties. As always, Julia Mauch and expert Ralf Lang proficiently guided us through the program.

The participants learned about all the advantages and options of grooving with Schwanog tooling solutions, coupled with numerous practical examples and specific cost reductions.



Practical examples:

External Machining:

- ❑ PWP system
Cutting width up to 33 mm
- ❑ WEP system
Cutting width up to 16 mm
- ❑ PWP-E system
Cutting width up to 70 mm
- ❑ PWP-B system
Cutting width up to 70 mm

Internal Machining:

- ❑ PWP system
Internal diameter > 15 mm.
- ❑ WSI system
Internal diameter > 2 mm

We would like to thank all participants for their active participation, which contributed to the success of this event.

Decades of cooperation strengthen our team spirit:

CONGRATULATIONS TO OUR ANNIVERSARY CELEBRANTS!

It is both an affirmation and an incentive for us when employees celebrate many years of service and are happy with their work at Schwanog.

And so, we were delighted to be able to congratulate four employees on their 20th and 30th anniversaries.

20-year anniversary:

- Barbara Hahn / Sales representative
- Sascha Trubarac / CNC tool grinder on Haas grinding machines
- Fridolin Faller / EWAG tool grinder / assembly work

We can certainly describe Peter Schöninger, who has been working for Schwanog for 30 years now and is responsible for sales activities as Sales Manager, as a true veteran.

30-year anniversary:

- Peter Schöninger / Sales Manager

Many thanks to all our celebrants for their loyalty and excellent work!



From left to right: Peter Schöninger, Sascha Trubarac, Barbara Hahn, Clemens Güntert, Fridolin Faller

New "colleague" OTTO proves himself:

OUR FIRST DRIVERLESS TRANSPORT SYSTEM (DTS) IS IN USE!



Our new DTS, which has been in use since June, has successfully passed its ultimate test. Otto is a driverless transport system with a collaborative robot that transports orders from production station to production station. But what makes Otto so new and different from conventional robotics, which we have been using for a long time in separate areas?

A cobot is a collaborative robot that can work directly and safely with people in a shared work environment without the usual safety barriers.

Our Otto, as we affectionately call him, accelerates transport routes, saves human resources and is perfectly integrated into our digital work processes.

This means that we have successfully implemented another milestone in the automation of our manufacturing processes.



In a world that is spinning faster and faster, moments of calm and reflection are more precious.

2024 was an eventful year with many exciting and moving moments. We are grateful to have experienced this time together with you and look forward to a successful 2025.

We wish you a relaxing and joyful holiday season and good luck and health for the New Year.

To a successful collaboration in 2025.
Your Schwanog team!

Schwanog team on tour:

A COMPANY TRIP FULL OF FUN AND ADVENTURE!



It is a tradition at Schwanog that all members of our team are invited to the annual company outing. This year, on Saturday, October 12th, we went to the Lochmühle in Eigeltingen with great enthusiasm.

Fun and action were the focus, and everyone was able to prove their abilities to the amuse-

ment of the team. Whether it was quad biking, tractor driving, crossbow shooting, bull riding or horseshoe throwing – the program was the perfect farm-style fun!

So much activity makes you thirsty and hungry – so we were able to end the day with a cozy dinner among colleagues.

SCHWANOG

77 years

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