

NEWS.

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

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EDITORIAL:

Dear business partner,

Change, especially in the automotive industry, requires the highest flexibility and answers to strategic questions.

For Team Schwanog, despite all these changes, the central task remains unchanged; to achieve a maximum reduction in your part costs. This begins with the analysis of your components, then continues with the development of solutions that give you significantly more room to maneuver and produce added value.

In the current issue 4, Schwanog News again presents, technical topics that play an important role. For example, on page 2 in the practice report, the manufacture of splines with Schwanog broaching rings is much more efficient than by milling. Also, on page 3 of this edition, roughing withbrings enormous productivity benefits. This is why the program has now been extended by three additional widths.

Preparations are in full swing for our 6th Schwanog Technology Days which take place on May 13th and 14th of next year. We invite you to join us with this preliminary report and ask you to enter this fixed date in your calendar.

We would also like to draw your attention to the review of the open day at our location in France. It was a complete success judging by the high number of visitors and the interesting technical discussions. It shows that there is no substitute for personal dialogue.

Now I would like to wish you and your families a wonderful Christmas. In the spirit of the Christmas season I thank you for your valued partnership and wish you a very successful new year!

Clemens Güntert
Managing director

Many times faster than milling:

SPLINES WITH SCHWANOG BROACHING RINGS EFFICIENT MANUFACTURE!

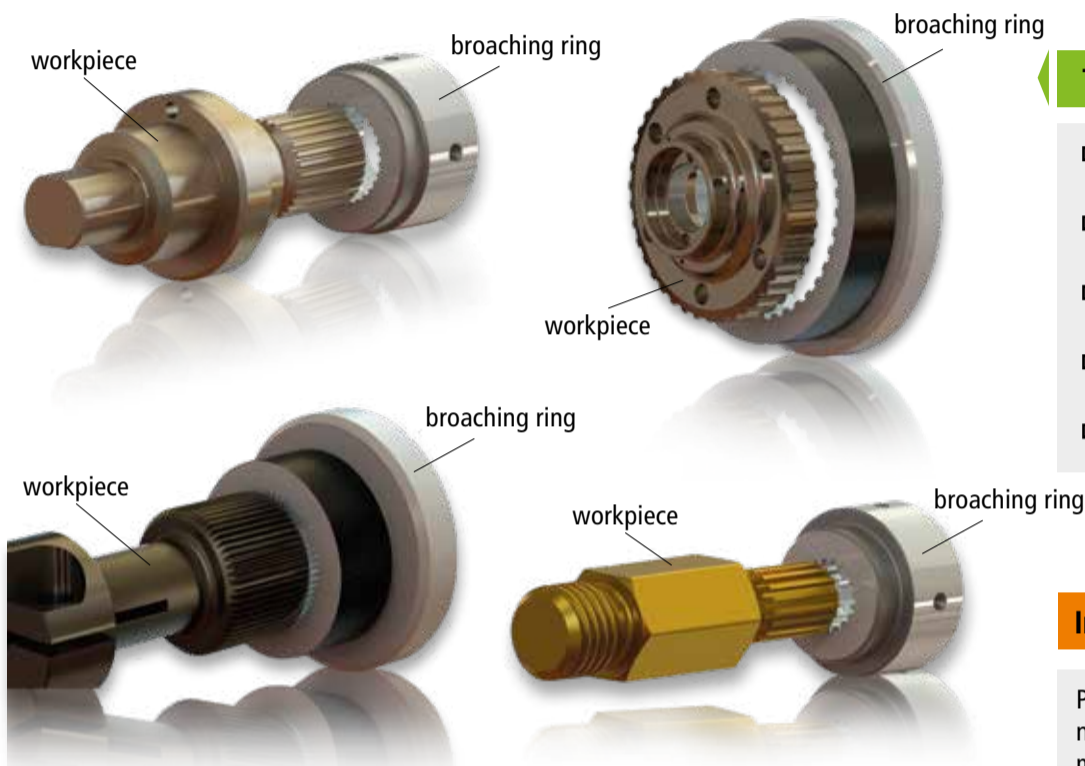
The use of Schwanog broaching rings as a serration tool offers great advantages and allows splines to be produced quicker. The splines are completely produced in one stroke – and at a rate that is much faster than conventional milling operations.

Another advantage over milling is the fact that the material can be broached close to a collar, which is technically not possible with milling, due to the cutter diameter.

An undercut at the end of the spline is advantageous, easing chip removal during the reduced

cutting speeds at the end of the feed cycle. Depending on the application, a fixed or moving broaching holder (wobble or reciprocating holder), is required.

Schwanog broaching and shaping tool holders are designed in such a way that a broaching or shaping machine can often be dispensed with. This brings you one step closer to the complete machining of parts on a lathe. The 1° inclined design of the broach/shaping tool holder can reduce the contact force of up to 80%. This is achieved by concentrating the contact force on a smaller segment of the profile to be broached.



The advantages at a glance:

- Significant unit cost reduction through the use of pressure rings
- Production forms are possible very close to the collar
- Machining mostly possible on the lathe
- Reduction of the contact pressure of up to 80%
- Can be used for most materials

Important for your production planning:

Part materials (broaching tools) which have a material tensile strength of >1000 N/mm² are no longer suitable for broaching operations. There are also limits to the spline depth and machine stability.

We would like to congratulate our long-standing employees:

PETER SCHÖNINGER CELEBRATES 25 YEARS AT SCHWANOG – RALPH STORZ CELEBRATES A 10 YEARS COMPANY ANNIVERSARY!

During a small ceremony, Managing Director Clemens Güntert took the opportunity to thank Sales Manager Peter Schöninger for 25 years with the company and Ralph Storz, Technical Sales for 10 years with Schwanog.

In his speech, Clemens Güntert first paid tribute to the merits of Peter Schöninger, who from the very first day has contributed greatly to Schwanog's worldwide success story. As Sales Manager, Peter Schöninger is now responsible for all sales activities at home and abroad and plays a key role in the continuous growth of the company.

Ralph Storz is a sales representative in the fast-growing home area of Central Baden-Württemberg. Mr. Storz still remembers his first day at Schwanog: "All colleagues were extremely friendly and helpful, and despite enormous growth, this great working atmosphere has been preserved until this day".

Clemens Güntert found emotional words describing solidarity, loyalty, and faithfulness to the company – a quality that cannot be taken for granted in times of daily change.

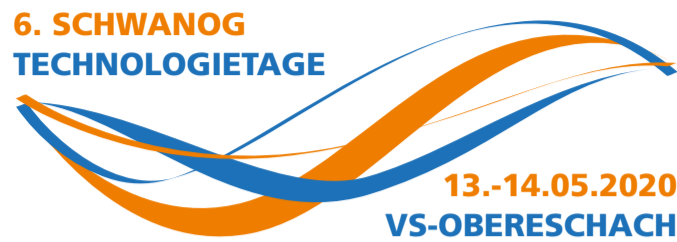
Together we toasted the two jubilarians – with the wish for many more years of successful working together.



(from left to right) Celebrants Peter Schöninger and Ralph Storz with Managing Director Clemens Güntert.

All preparations are already in full swing:

THE 6TH SCHWANOG TECHNOLOGY DAYS 2020 IN OBERESCHACH!



Particularly in times of technological change in important branches of industry, and almost daily changes in the world markets, stable parameters for the exchange of information and dialogue are more important than ever.

We are therefore very pleased today to invite you to the Schwanog Technology Days, which will take place on May 13th and 14th 2020 for the sixth time at our VS-Obereschach site in the usual tradition.

In the 6th Technology Days, everything will once again revolve around the latest technologies and application examples, as well as successful project examples from the participating technology partners and our company. Our team has been preparing the event program and coordinating the presentation content with our technology partners for months, full of anticipation.

Technology Days 2020, live presentations and keynote speeches from a wide variety of technology areas will once again be on the agenda, so every visitor can experience these exciting topics. We will be happy to inform you about all the details in issue 1/2020 of our Schwanog News.

Please make a note of the date now so that nothing stands in the way of your participation in May 2020.

Thank you very much and see you soon in Obereschach!



TECHNOLOGY PARTNER

Maximum possible material removal before copy turning and piercing processes:

NEW: ROUGH TURNING WITH SCHWANOG NOW AVAILABLE IN 4 WIDTHS!



9x5x26,5



11x5x26,5



13x5x26,5



15x5x26,5

Roughing using interchangeable carbide inserts with sintered chip breaker is becoming more and more important. The advantages are obvious, as roughing provides maximum material removal prior to the finishing process.

That is why we have extended our line of interchangeable inserts with sintered chip breaker which are stock items as followed:

NEW: PWP-S Interchangeable insert 9x5x26.5 in Granit 2000 with sintered chip breaker

NEW: PWP-S Interchangeable insert 11x5x26.5 in Granit 2000 with sintered chip breaker

NEW: PWP-S Interchangeable insert 13x5x26.5 in Granit 2000 with sintered chip breaker

PWP-S Interchangeable insert 15x5x26.5 in Granit 2000 with sintered chip breaker

The advantages:

- Substantial reduction of machining times in the two-digit range
- Improved chip breaking and chip removal due to sintered chip breaker
- Significant reduction in part costs

Take advantage of our extended line of roughing inserts to increase your productivity!

Open day at Schwanog France:

SUCCESSFUL EVENT WITH HIGH PARTICIPATION IN MARNAZ!

On October 9th and 10th, Schwanog France held an open day at the Marnaz site. And in good Schwanog tradition, four technology partners were invited to present their products and solutions to an interested trade public. Göltenbodt, Star, Motul, and Zoller did not miss the opportunity and were able to demonstrate the many benefits that a long-term cooperation at eye level offers.

But apart from the pleasure of the successful event, there was a mix of a little melancholy in the cheerful mood. Because Dominique Rossetto our long-time companion and manager of Schwanog France will go into well-deserved retirement at the end of the year. He has played a decisive role in

the successful development of Schwanog France and has always been the driving force behind the company.

At the same time, we were able to meet Franck Manera at the open day, he is the new head of Schwanog France. We are convinced we have found in Frank Manera a worthy successor, who with renewed energy and his own ideas will go his way. We all wish him a wholehearted good luck!

The Open Day was a 2-day event with numerous highlights, supported by the high interest of trade visitors, to whom we would like to take this opportunity to express our special thanks.



Bild: Machines Productions

Relax and enjoy with family and friends:

MERRY CHRISTMAS AND A HAPPY NEW YEAR!



After a year full of major challenges and structural change, Christmas offers the best opportunity to find peace and quiet and spend time with family and friends.

We wish you a lot of fun and relaxation.

Thank you very much for your loyalty!

Your Schwanog Team

Schwanog on tour:

TRADE FAIR PREVIEW 2020

GERMANY



AMB STUTT GART 15-19 September 2020

FRANCE



SIMODEC
10-13 March 2020, Hall D / Booth N58

ITALY



SAMUMETAL
06-08 February 2020, hall: Pav. 2 / Booth 57



FORNITORE OFFRESI
20-22 February 2020,
hall: Pav. B / Booth 277

AUSTRIA



Intertool Vienna
12-15 May 2020

THE NETHERLANDS



TechniShow
Utrecht
17-20 March 2020

ENGLAND



MACH
Birmingham
20-24 April 2020

CHINA



CME 25-28 February 2020, Booth 3-E05



CCMT
07-11 April 2020

USA



IMTS 14-19 September 2020



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