

# news

Schwanog - Niederschächler Str. 36 · D-78052 VS-Obereschach

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## OD Grooving with the Schwanog WEP system: Tripled productivity!

For application falling in a 3 to 12 mm cutting width range, when OD grooving you can't do without the Schwanog WEP system.

Schwanog's indexable WEP tooling system utilises 3 cutting edges and therefore offering a significant cost advantage due to the tool design. Once the first cutting edge is worn, the insert is simply indexed to the next cutting edge while loosening a single retaining screw while the tool holder which holds the tool remains untouched in its position. The high repeatability of the WEP system eliminates the need of re-setting the tool again which results in set-up cost reduction and therefore substantial time savings. The WEP system can be used for all lathes available on the market.

The simplest way to reduce costs is sending us your part drawing and within 24 hours you will receive our quotation for the cost-optimised production of your part.



## EDITORIAL:



### Dear Business Partners,

We want to draw your attention to the Schwanog WEP system with the title story of the current Schwanog News. The WEP system used for external turning applications offers three cutting edges per tool and thus ensures top efficiency with cutting widths from 3 up to 12 mm.

Also read the project report with our customer nass magnet in Hanover. Here the spotlight is on the PWP-D form drill system, which triggered enthusiasm all round with our customers due to its form accuracy and increased tool life.

After 1 and ½ years working abroad for Schwanog France, Julia Mauch has returned to the head office in Obereschach, Germany. First and foremost, her area of responsibility will focus on our overseas subsidiaries.

Due to the enormous boom in demand, we have decided for a second time in two years to expand our production capacities in Obereschach by 40%. Also here you can read a short article on the progress.

You see, we move a lot to carry on improving the requirements in the cooperation with you and create space for further innovations and healthy growth.

We look forward to a future with you!

Yours, Clemens Güntert

# SCHWANOG

## Company "nass magnet" sets on Schwanog drilling solutions: Top form accuracy and superior tool life with the PWP-D system!

The company "nass magnet" in Hanover, member of the Kirchheim group, is one of the world's leading companies in its branch. Throughout the group, around 500 employees develop and manufacture electromagnetic pilot controls and valves for air, neutral gases, liquids and other media as well as electromagnetic drives for valves on mobile applications.

Innovation, customer focus and flexibility are the supporting pillars of the nass magnet corporate philosophy, which run congruent with Schwanog's performance orientation. Schwanog has been supplying nass magnet already for many years with grooving tools for various applications.

To be able to manufacture the components of electro-pneumatic valves in production batches of millions, nass magnet invested in a new machining centre with a rotary transfer machine with 8 stations for double-sided machining, which came with drills from another supplier. nass magnet's

target was to specifically increase the capacities and simultaneously reduce the manufacturing costs by a high margin. Rather than satisfying with the delivered, turn-keyed multi stage machining process, the goal was to use a single machining process from barstock without any secondary post machining processes. Despite thorough technical modifications and agreements with the machine manufacturer, no long term satisfactory process could be achieved.

Subsequently Mr. Carsten Schulze, nass magnet supervisor of parts production as well as process development, and Mr. Hans Pauck, tool planning and purchasing, contacted Schwanog. Schwanog sales representative Michael Klingner summarised the requirements on site at nass magnet and consulted with Schwanog's engineering team in Obereschach. Despite the very complex requirements, a solution was quickly found which was developed based on the Schwanog PWP-D system.

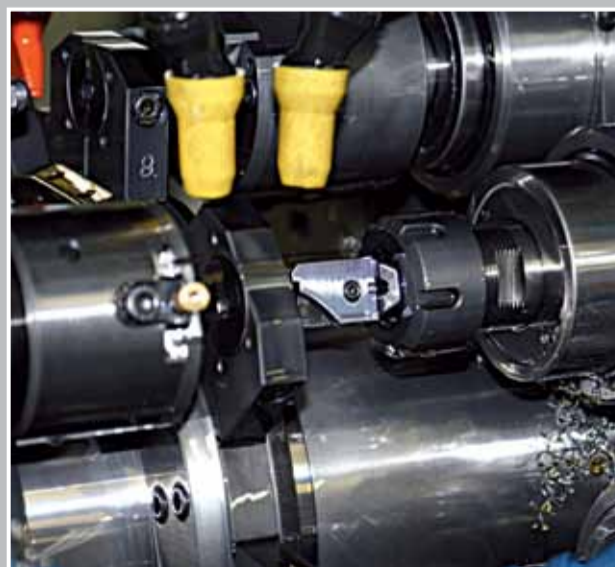


Carsten Schulze, supervisor of parts production, puts it in a nutshell:

**"The Schwanog PWP-D system fascinates us due to absolute form accuracy, superior precision and an unsurpassed tool life."**

Schwanog president Clemens Güntert also sees himself confirmed by such positive responses in his investments in the continual optimisation of the Schwanog process solutions.

Correspondingly, Schwanog sales representative Michael Klingner takes this applied example as a plea to all customers and prospective customers to send their part drawings to Schwanog for an optimisation of their machining processes as it will result in most cases in a 40 % reduction of unit costs.



Due to the extra wide inserts, the PWP-D system enables the machining of bore diameters up to 28 mm. The bore tolerances and precision required could be guaranteed by the especially wide locating surfaces and Schwanog's typical system accuracy.

nass magnet thoroughly tested the recommended Schwanog solution and expressed how much the result impressed them in regard to the superior surface finish quality and tool life. With several hundred thousand drilling operations per insert, here even the keenest expectations were surpassed by far.

Hans Pauck, tool planning and purchasing, was also quite impressed by the excellent collaboration and the Schwanog solution competence:

**"The Schwanog team is working in a highly efficient way and offered us a perfect solution due to their tremendous know how in shortest time."**

## EMO Hanover attracts large number of visitors: Schwanog benefits from strong trade show business!



Once again the EMO 2011 in Hanover has once more proven its special significance as the world's leading trade show for the metal working industry.

During the six show days, our company benefited from particularly high numbers of specific project inquiries. Besides many contacts from the German market, interesting connections such as to the Pakistani and India market could be established as well, which Schwanog has not dealt with intensively until now. The main interest of the international visitors focused on Schwanog's immediately available current solution offering an adapter for every basic holder system available on the market. In addition to the classical applications such as the OD grooving, the main interest once again was on ID grooving with the new WSI system and form drilling with the PWP-D system. The new trade show appearance with sophisticated, large application displays, already visible from far off, inspired customers and potential buyers to visit the Schwanog booth.

Therefore head of Schwanog, Clemens Güntert was completely satisfied with the EMO 2011 in Hanover, as also the cooperation with the long-term trade show partner Göltenbodt has again been successful.



Schwanog inside:

## Julia Mauch takes over the support of the subsidiaries!



After nearly 1½ years of dedicated work for Schwanog France, Julia Mauch has taken on a new exciting professional challenge in the Schwanog headquarters in Obereschach, Germany.

In France, Julia Mauch was responsible for the entire administration, from quote preparation over order processing to accounting tasks. Thanks to these extensive tasks in France, Julia Mauch was able to gather important experiences abroad. She could already benefit from a two week stay in Holger Johannsen's team in the USA at Schwanog LLC during her training.

Based on her experience, Clemens Güntert transferred the responsibility for the support of the Schwanog subsidiaries USA, France, and China to Julia Mauch starting August 1st. Her tasks include the preparation

of orders from these three subsidiaries, clarification of orders, monitoring of drawing acceptance by customers and order / delivery coordination. Beyond this, Julia Mauch monitors the marketing and advertising projects in close coordination with Clemens Güntert and Peter Schöninger.

Julia Mauch is looking forward to these internationally orientated tasks and her goal is to use her experience to further improve the workflow and cooperation with the Schwanog foreign subsidiaries.

**We wish Julia Mauch all the best and much success with her new tasks.**

Expansion right on schedule:

## Production capacity expanded by 40 %!



Thanks to the continuously strong, worldwide demand for Schwanog tooling solutions, we have decided to expand our production for a second time in two years. The investment in expanding will not only increase the production capacity by 40 %, but improve the whole workflow.

In the future, the entire EDM production as well as the logistics centre will be relocated from Hall 1 to the new production hall. Therefore we will be able to further expand the grinding and milling centres in Hall 1.

Additional machines for grinding and EDM wire-cutting have already been ordered and will be delivered shortly. Managing director Clemens Güntert expects the entire expansion to be completed by end of November 2011. For our customers, this capacity expansion will result in reduction of delivery times and the potential to generate a higher order volume.

Now available online:

## Coating recommendations for Schwanog inserts!

Effective immediately, the current coating recommendations for Schwanog inserts are available online and can be downloaded from our website.

Nowadays coatings on cutting tools are indispensable, because the performance of the inserts can be multiplied. The advantages do not only include increased tool life, improved chip removal and the prevention of cutting edge build-up, but also higher cutting speeds resulting in substantial time savings. Our coating recommendation is based on the basic elements of most coatings with titanium, aluminum and chromium. In connection with additives, this accordingly results in hard, wear-resistant nitride/carbide formations, which can be applied to the form insert as single, double or multi-layer.

Use the potential to optimise your manufacturing processes. View our coating recommendations on our homepage or download it in PDF format.



**Datenblatt / Data Sheet** | **Données techniques / Hoja de datos** | 12.20

**Beschichtungsempfehlung / Coating recommendation / Proposition de revêtement / Recubrimiento recomendado**

Werkstoff / Material / Matière / Material	TiN	TiCN	TiAlN	CN	Diamant
	Titan Nitrid	Titan Carbide Nitrid	Titan Aluminium Nitrid	Chrom Nitrid	
NE-Metalle / Non-Ferrous Metal / Alliage léger / Metales no ferrosos			X		
Automatenstahl / Free-Cutting Steel / Acier de décolletage		X		X	
Eisstahl- u. Vergütungsstahl / Concentration- and Heat-Treatable Steel / Acier d'ameisen / Acero de cementación		X		X	
Legierungsstahl / Valve Steel, Alloy / Acier forment allié / Acero de aleación				X	
Rostfreier Stahl / Stainless Steel / Acier inox / Acero Inox			X	X	
Allgemeiner Baustahl / Structural and Constructional Steel / Acier de construction / Acero de construcción			X		
Gießstahl / Cast Iron, Cast Steel / Fonte / Acero de fundición			X	X	
Hochfester Stahl / High-Tensile Steel / Acier à haute résistance / Acero de alta resistencia				X	X
Kunststoff mit Glas- Kohlefaser / Plastic with glass-carbon fiber / Plastique renforcé fibre de glace - fibre de carbone / Resina plástica de fibra de vidrio y fibra de carbono					X

**Schwanog**

zweigend empfohlen / empfohlen / recommandé

Schwanog - Siegfried Güntert GmbH - Niedereschacher Straße 36 - D-78052 VS-Obereschach  
Tel.: 0049 (0) 77 21 94 89-0 - Fax: 0049 (0) 77 21 94 89-99 - www.schwanog.com - E-Mail: info@schwanog.com



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

Schwanog LLC  
1630 Todd Farm Drive · Elgin, IL 60123  
Toll Free: 888-870-1055  
Phone: 847-289-1055 · Facsimile: 847-289-1056  
www.schwanog.com · info.usa@schwanog.com