



**Dear Business Partners,**

A turbulent and eventful 2010 is coming to a good, positive conclusion after two difficult years of crisis.

The economy has recovered more quickly than expected and the signs for the coming year are also set towards growth.

Improving productivity is the key to the success of many companies in order to survive in international competition.

We also consider this to be Schwanog's main task: distinctively optimizing your productivity with our individual tooling solutions.

Therefore, the main focus in our latest issue of the Schwanog News are of technical nature such as the new WSI system, a typical PWP example, and the polished, mirror-smooth surface finishes of our tools.

You can also read about the positive development in the French market and the Schwanog inside Interview with our thread whirling expert, Ralf Lang.

We wish all of you a Happy Holiday Season with time for reflection and much success in the New Year.

Yours, Clemens Güntert

**Contents:**

**The new WSI system:**  
ID plunging and turning with utmost efficiency! **Page 1**

**Schwanog France is booming:** Rossetto puts its trust in flexibility and customer proximity! **Page 2**

**Visible precision:**  
Mirror-smooth surface finishes from Schwanog! **Page 2**

**New trade show Stuttgart establishes itself:**  
Schwanog AMB exhibition appearance with vast feedback! **Page 3**

**Schwanog inside:**  
Discussion with thread-whirling expert Ralf Lang! **Page 3**

**ID turning of the highest quality:**  
Schwanog PWP System for highly efficient solutions! **Page 4**

**The new WSI system:  
ID Plunging and turning with utmost efficiency!**

**The new WSI system from Schwanog shifts the limits of productivity and efficiency even further upward. It consists of a coolant-through holder with a diameter range of 10, 12, 14, 16, 20 and 25 mm as well as infinitely length-adjustable ID turning inserts.**

Developed for internal diameters > 2 mm, the WSI system provides ID plunging and turning in a single step. The infinite length adjustment in the Z axis, given mounting position and fast

changeover considerably accelerates the setup times. At the same time, the WSI system stands out with a high repeatability of < 0.02 mm.

The new WSI system replaces the old WPI system and is available immediately. Please feel free to request further technical information and data sheets at any time:

**Telephone: +49 (0) 77 21 / 94 89-0**  
**Email: info@schwanog.com**



**Schwanog France is booming:**

**Dominique Rossetto puts its trust in flexibility and customer proximity!**

Schwanog France has developed continually under the direction of Dominique Rossetto. In the centre of the heart of the French turned parts market, Schwanog positions itself as the productivity expert providing individual tooling solutions and know-how.

The basis for this was also Managing Director Clemens Günter's investment in the company's own production facility at the beginning of 2009. Due to the on-site production facility, delivery times were shortened and the level of customer service improved even further.

The crisis, which also and especially affected the French supply industry in a huge way, has already been overcome. According to Dominique Rossetto, the turnovers are already higher than those of 2008, prior to the crisis.

Schwanog's strategy is also clearly formulated for the French market: Customer proximity, already having in-depth conversations during the development phase for new customer projects and the willingness to be faster and better every day. One major factor for success in this process is also the close collaboration and exchange of information with the Schwanog team in Germany to assure the same high level of quality as we provide in Germany. Thus, all the steps



from operations scheduling to the production to the logistics are firmly organized. Furthermore, the machine operators receive training on an on-going basis.

**We wish Mr. Rossetto and the Schwanog French team continuous success!**

**Visible precision:**

**Polished, mirror-smooth surface finishes from Schwanog!**



**TECHNOLOGY  
MADE BY  
SCHWANOG**

**In addition to the highly efficient production processes the surface finish requirements of turned parts also continuously increase.**

Schwanog has a clear and simple way of looking at this:

**„Only those who provide highest precision on the tool can be expected to provide top quality on the part as well.“**

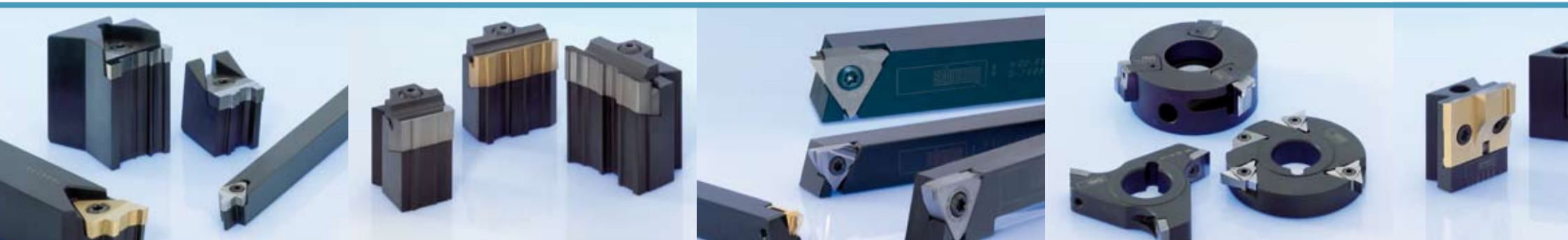
With this philosophy Schwanog sets the standard as the expert for insertable form tool systems since years providing the highest quality workmanship.

Our tools which are individually ground are standing out due to polished, mirror-smooth surface finishes and thus create the condition for high-precision turned parts.

And best of all: What the market sells in part as an expensive special solution, Schwanog provides as a standard with every tool sold!

**Benefits:**

- Polished, mirror-smooth surface finishes
- Highest geometrical accuracy
- Schwanog standard across all product lines



## New trade show Stuttgart establishes itself: Schwanog AMB exhibition appearance with vast feedback!

From September 28<sup>th</sup> to October 2<sup>nd</sup> 2010, our company once again presented itself to national and international visitors.

After a traditionally rather quiet first day at the show, the expectations were surpassed by far on the following days. Once again, it was obvious how tremendously important this industry meeting is, not only for new contacts, but also, above all, for the purpose of having conversations with existing customers outside of the day-to-day business activities.

In this process, countless new projects were discussed and initiated, which certainly allow us to expect an attractive volume of business.

The Schwanog exhibition presence focused on subjects such as internal / external thread whirling, form drilling, external / internal turning and the new WSI system for ID's > 2 mm.



"Conveying important facts, setting new impulses and providing our visitors with inspiration for new technologies and productivity enhancements was our stated objective for the exhibition," said Clemens Güntert.

"I am very pleased with the results of the 2010 AMB and am already looking forward to the AMB in 2012."



## Schwanog inside: Discussion with thread-whirling expert Ralf Lang!

Schwanog is one of the pioneers of high production thread-whirling and has consistently expanded its product solutions. We spoke to Ralf Lang, the thread whirling expert at Schwanog.

Mr. Lang, how did you come to your distinctive specialization in a very concentrated market sector?

Well, from the beginning, I was fascinated with the potential behind not only the productivity but also the surface finish quality in the manufacture of bone screws. So, it was a completely natural process that satisfied me completely.

After all, the Schwanog WEP system was the standard for everything for many years. And now we are at the beginning with the DCI system. What does this abbreviation stand for?

DCI represents a distinctive leap in productivity, which we can illustrate in an absolutely reliable manner after completing our in-depth development work.

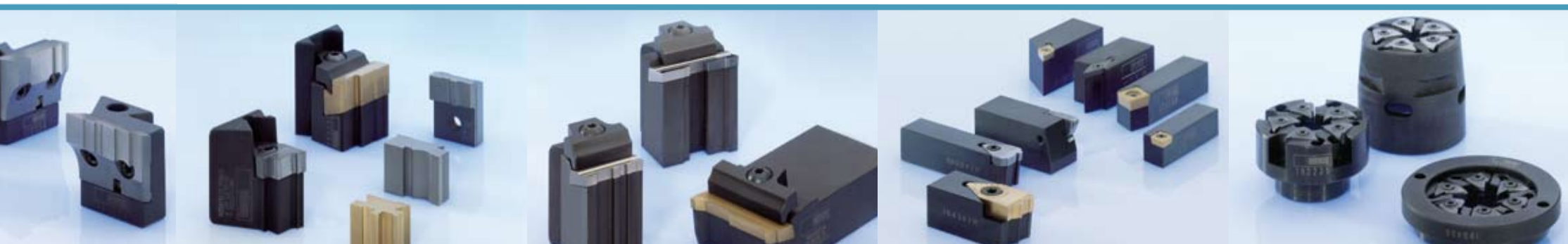
But how do you achieve this leap of productivity?

The proven WEP system is based on a whirling system carrying six teeth. Our stated objective was to increase the number of teeth from 6 to 9 or 12 while maintaining the same feed rate per tooth.

That sounds absolutely logical.

Yes, it is. However, the decisive criterion of our customers is process reliability in their everyday production. And we succeeded in this with the DCI system. Our customers now profit once again due to the same feed rate from clearly higher productivity while achieving excellent surface finishes.

Thank you for talking to us. We wish you continued success and many more exciting challenges.



## ID turning of the highest quality: Schwanog PWP system for highly efficient solutions!

Internal grooving with the Schwanog PWP system is one of the most successful applications, which achieves a remarkable advantage in productivity over the traditional single-point turning process.

Whether applied in industries such as automotive, medical, valve, hydraulic, pneumatic or other industries, Schwanog provides the decisive cost advantage.

Our individually manufactured form tools replace the lengthy and time-consuming single-point turning process with a single plunge-cut into solid material! The best example using Schwanog's PWP system is on precision ball-bearings made from 52100 bearing steel for commercial vehicles.

**TECHNOLOGY  
MADE BY  
SCHWANOG**



### Key benefits:

- Reduction of unit costs by up to 40 %
- Significant gain in productivity
- Fastest Payback

## Well-deserved holidays:

**Schwanog wishes you a Happy Holiday Season and Prosperous New Year!**

After a turbulent year with increasingly positive development, we and our team look forward to a pleasant Christmas and a few well-deserved holidays.

We wish all of you a Merry Christmas and a good start into a successful 2011.



**SCHWANOG**

### Schwanog · Siegfried Güntert GmbH

Niedereschacher Str. 36  
D-78052 VS-Obereschach  
Telefon +49 (0) 77 21 / 94 89-0  
Telefax +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