

Machining Technology

Form Drilling



Schwanog

Schwanog PWP- and PWP-D-System: Form drilling with insertable form tools for significant cost reductions!

Plunge-cutting with Schwanog instead of single-point turning has proven itself in countless applications with unit cost reductions of 40 % and more.

With its insertable form drilling system, Schwanog is offering an equally efficient and cost-saving solution, due to the fact that only the insertable carbide tool is ground and not the entire solid carbide drill. With the insertable form drill which is individually ground according to a customer drawing a minimum tolerance of ± 0.02 mm can be achieved. To complement the PWP-System, the PWP-D-System was added to our line of products which offers wider inserts, achieving drill diameter up to $\varnothing 28$ mm.

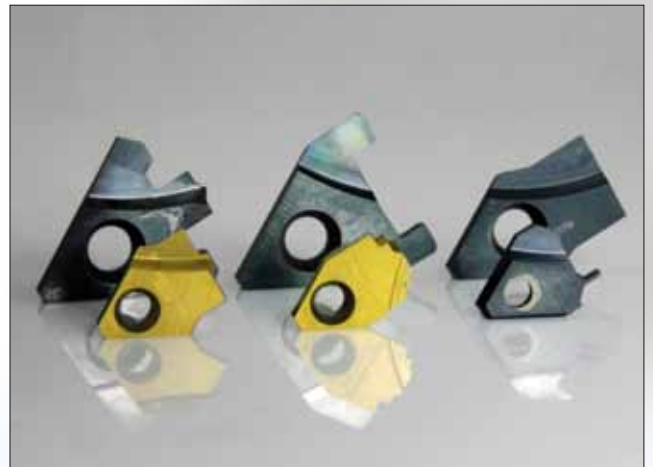
The Schwanog form drill system can be applied to any lathe, milling and drilling center.

The strength of the Schwanog system is also particularly evident when it comes to tool trials as inserts are available in various carbide grades. Other advantages of the insertable form drill are elimination of set-up time during tool changeovers as the Schwanog coolant through insert holder stays untouched in the machine while changing the insert over as the center height stays unchanged compared to a solid drill as well as lesser coating costs of the insertable drill versus the entire solid carbide drill due to the smaller size.

**Form Drilling with Schwanog.
Wider.
More Efficient.
Lower costs!**



Sample applications: PWP-D-System



Sample applications: PWP-System



Insertable tooling systems.



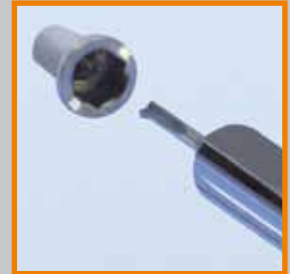
OD Grooving



ID Grooving with PWP



OD Whirling



ID Whirling
(Thread mills)



Thread milling



Polygon turning



Broaches for
Serrations



Form drilling



ID Grooving with WSI



Shave tools



Rotary transfer
machines



Selector system

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
Phone: 847-289-1055 · Fax: 847-289-1056
www.schwanog.com · info.usa@schwanog.com

Schwanog Sàrl
89 Allée des Nénuphars · F-74300 Thyez
Téléphone 0450 18 65 16 · Fax 0450 18 47 75
www.schwanog.com · info.france@schwanog.com

Schwanog · Siegfried Güntert GmbH
Shanghai Representative Office · Room 757 B
Tower 3, German Centre · 88 Ke Yuan Road · Shanghai
Phone: +86-21-2898-6210 · Fax: +86-21-2898-6212
www.schwanog.com · klaus.liu@schwanog.com

Schwanog · Siegfried Güntert GmbH
Palackého 289 · CZ-682 01 Vyškov
Tel. +420 517 351 740 · Fax +420 517 351 740
www.schwanog.com · ludvik.sochor@schwanog.com

Schwanog · Siegfried Güntert GmbH
ul. Wawerska 1A / 16 · PL-05-410 Józefów
Tel: +48 606 177 025 · Fax. +48 22 610 07 45
www.schwanog.com · lukasz.kucinski@schwanog.com