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# FORM MILLING WITH SCHWANOG

Form milling offers time and programming advantages when milling complex contours.

Form milling establishes individual contours that are not covered by standardized milling operations. This can include complex free-form surfaces, special geometric profiles or customerspecific profiles.

Form milling is a precise manufacturing process that can meet high accuracy requirements. By using CNC milling machines, complex profiles can be manufactured with very tight tolerances.

### **Applications:**

Form milling is used in the manufacturing of precision components in various industries such as automotive, aerospace, toolmaking, mold making and medical industries.

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### **Challenges:**

Some challenges in form milling are selecting the right tool and cutting conditions, minimizing vibrations, and efficient chip control and coolant for the tool.

## MILLING OF SPECIAL FORMS



**Solid carbide milling cutter** For high feed rates and short machining times due to up to 5 cutting edges with maximum stability. Suitable for large production series.



**PWP interchangeable milling cutter** A more cost-effective alternative to the solid carbide milling cutter with two cutting edges for small and medium production series.



**WEP interchangeable milling cutter** Form milling cutter with several interchangeable inserts, each insert with 3-cutting edges, maximum cutting width 10 mm. Universal holder can be used for most profiles.

## **MILLING OF GROOVES**



**Solid carbide milling cutter** For high feed rates and short machining times due to up to 5 cutting edges with maximum stability. Suitable for production series.



WEP interchangeable insert Form milling cutter with several interchangeable inserts, each insert with 3-cutting edges, maximum cutting width 10 mm. Universal holder can be used for most profiles.

# **MILLING OF SERRATIONS**



**Solid carbide milling cutter** For high feed rates and short machining times due to up to 5 cutting edges with maximum stability. Suitable for large production series.



**PWP interchangeable milling cutter** A more cost-effective alternative to the solid carbide milling cutter with two cutting edges for small and medium production series.



# FURTHER APPLICATIONS AND SOLUTIONS

We are the ideal partner for turning applications, drilling, shaping or milling



Schwanog Siegfried Güntert Gmb Niedereschacher Str. 36 78052 Villingen-Schwenningen Phone +49 7721 9489-0 schwanog.com info@schwanog.com

Schwanog France ZAC des Léchères · 65 Clos de l'Ouche F-74460 Marnaz Phone +33 450 18 65 16 Fax +33 450 18 47 75 www.schwanog.com info.france@schwanog.com (Kunshan) Co. Ltd German Industry Park II #329 Jujing Road 215321 Kunshan, Jiangsu Province Phone +86 0512 8788 0075 www.schwanog.com info.china@schwanog.com Schwanog · Siegfried Güntert GmbH

CZ-76326 Luhačovice Phone +420 604 577 616 www.schwanog.com vladimir.hrib@schwanog.com

Schwanog · Siegfried Güntert GmbH PL-05-410 Józefów Phone +48 606 177 025 www.schwanog.com lukasz.kucinski@schwanog.com

## **FIND OUT MORE!**

Schwanog LLC 1301 Bowes Road, Suite A Elgin, IL 60123 Phone +1 847 289 10 55 | Fax +1 847 289 10 56 www.schwanog.com info.usa@schwanog.com Schwanog · Siegfried Güntert GmbH SE-36295 Urshult Phone: +46 734 472 100 www.schwanog.com fredrik.dahlkvist@schwanog.com

UBR SRL Via Golgi 11/l, 11/J IT-25964 Gussago/Brescia Phone +39 030 2520842 Fax +39 030 2521481 www.ubr.it · ubr@ubr.it

Schwanog LLC MX-Toluca Phone: +52 81 1910 0323 www.schwanog.com victor.bustamante@schwanog.com



