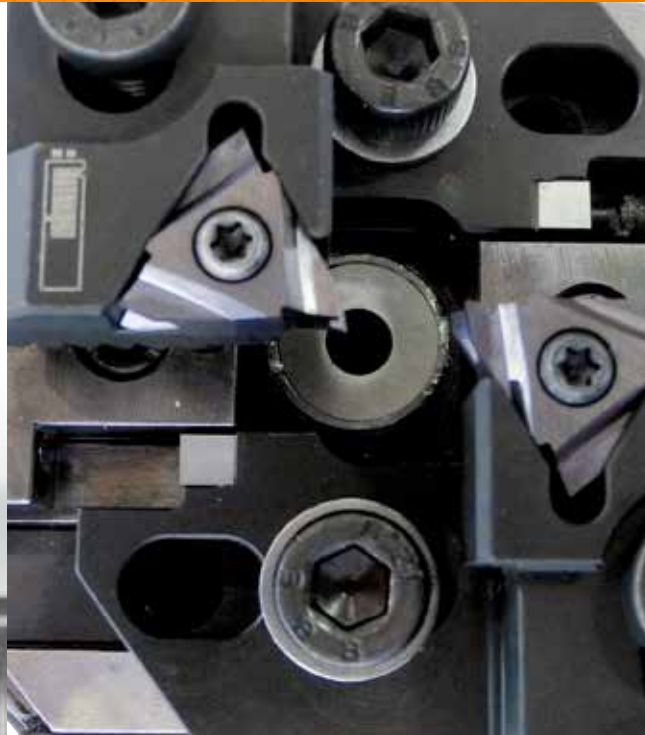
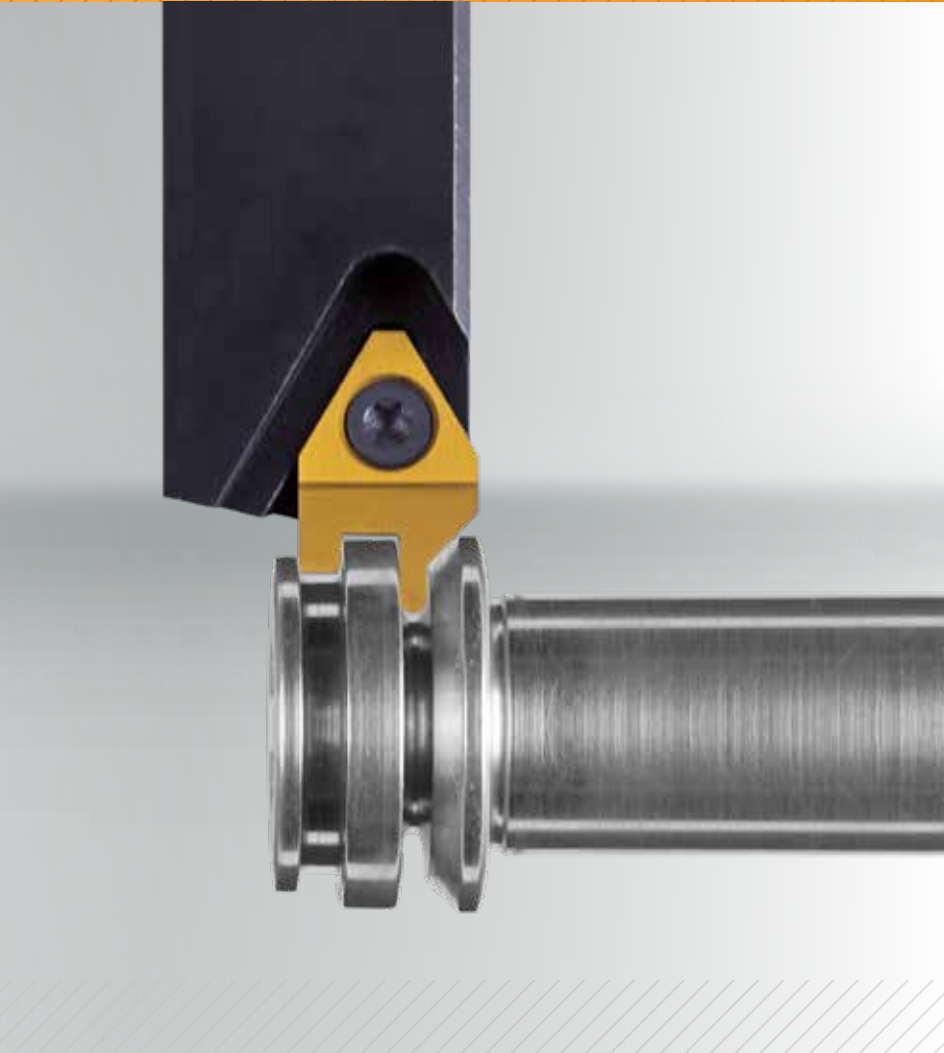
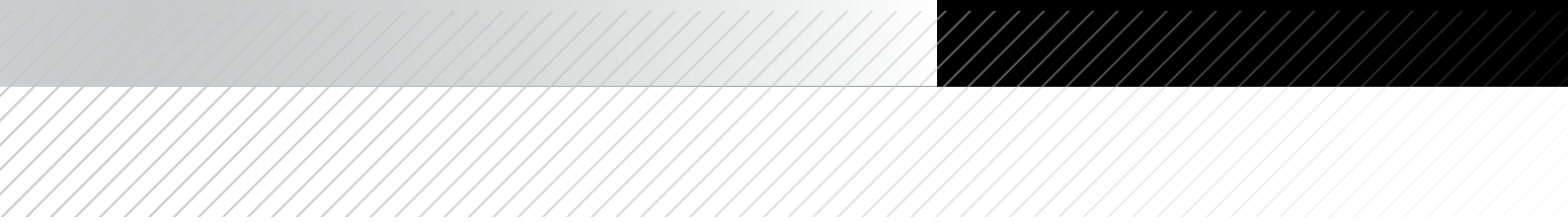


Machining technology

# OD Grooving on rotary transfer machines



Special system solutions  
for all machine types.



## OD Grooving on rotary transfer machines: Special system solutions for all machine types!

In mass production, when manufacturing precision parts continuously, rotary transfer machines offer a considerably higher efficiency in comparison to single spindle or multi-spindle automatic lathes.

The special feature on rotary transfer machines is that the part is stationary while the tool is rotating around the part which requires specific grooving tools.

Depending on the application Schwanog applies here either its PWP or WEP system. Due to the cutting pressure distribution and the resulting centrifugal forces at rotary transfer applications, on both recessing and turning heads, usually two grooving tools are simultaneously in use. As with all Schwanog systems, the Schwanog OD grooving tools for rotary transfer machines also offer outstanding advantages in terms of efficiency.

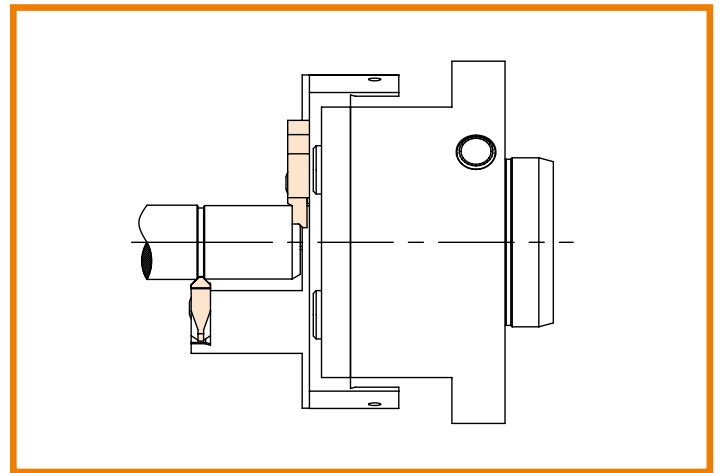
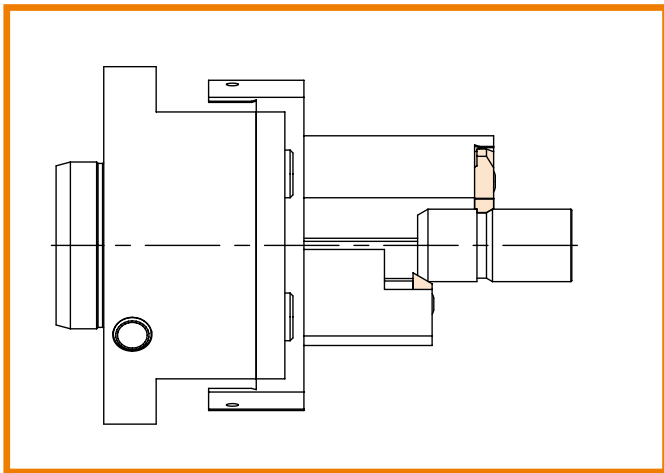
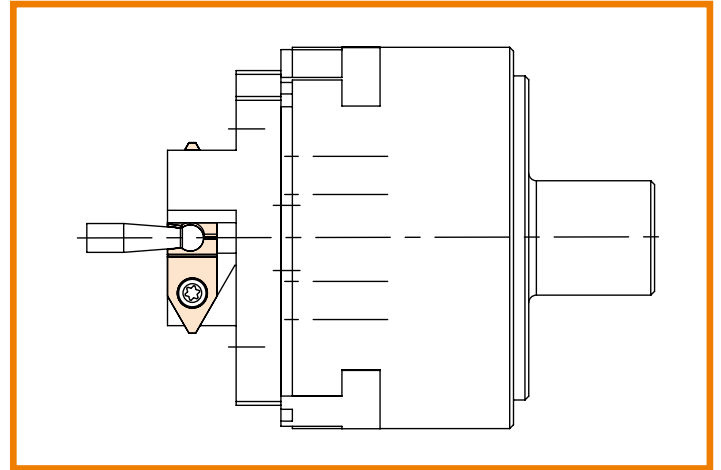
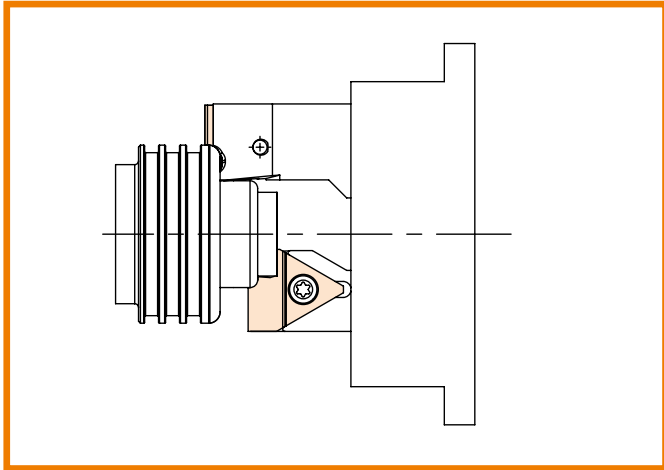
As a result, you benefit from significant part cost reductions and a fascinatingly high repeatability. For each material, Schwanog offers the optimal carbide grade for the form tools, which are individually ground or EDM wire-cut to customer-specific geometries.

### The product line at a glance:

- **Insertable form tool systems for recessing and turning heads:**
  - PWP system:
    - Cutting width range from 9–33 mm
  - WEP system:
    - Indexable tool with 3 cutting edges
    - Cutting width range from 3.5–12 mm
- **Holders for all heads**
- **Standard (ISO) holders for turning tools**
- **Balancing service for tool holders, software supported**



## Application examples



### Technical facts:

- Special OD grooving systems for all machine and holder types
- Cutting width range from 3.5–33 mm
- High repeatability
- Optimal carbide grade of the tools, suited to the respective materials
- Superior surface finish quality due to the ground tool

### Economic advantages:

- Considerable reduction of part costs
- Quick tool changeovers due to the insertable tooling system
- Elimination of tool adjustment after tool changeovers due to high system repeatability

Visit our website at [www.schwanog.com](http://www.schwanog.com) and watch the 3D animation for the OD grooving system on rotary transfer machines.

**There is a perfect solution for every manufacturing process! Take this opportunity and use our capability to lower your part costs and thus increasing your profitability.** We are looking forward to show you how, just call or email us your application along with part drawing.

# Insertable tooling systems



OD Grooving



OD Grooving for rotary transfer machines



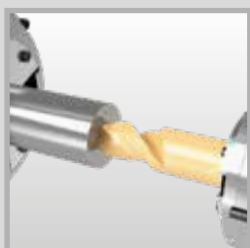
ID Grooving



ID Grooving and turning with WSI



Form drilling



Solid Carbide drills



Shave Tools



Skiving Tools



Polygon turning



Broaching of Serrations




OD Whirling





ID Whirling Tools (Thread Mills)




Parts selector


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