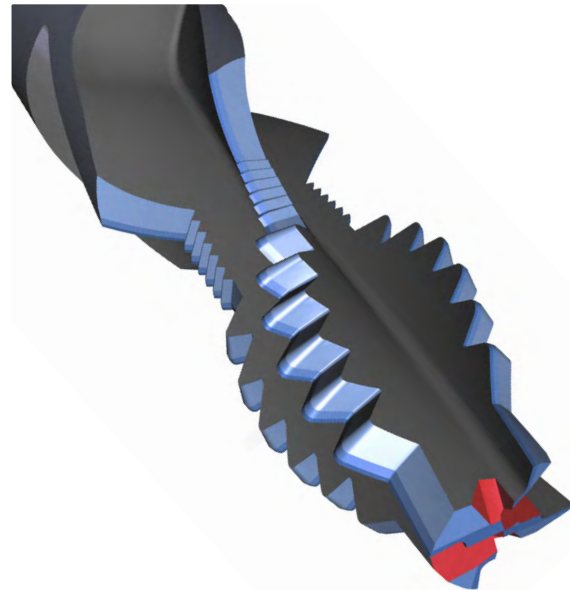
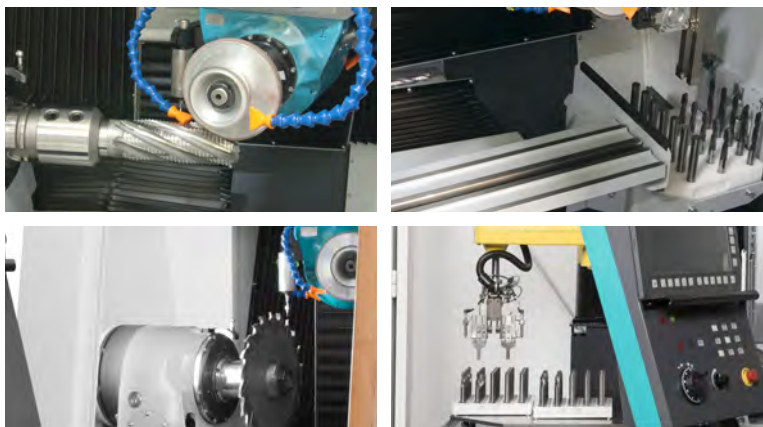


new generation NGx

precise, dynamic, compact !



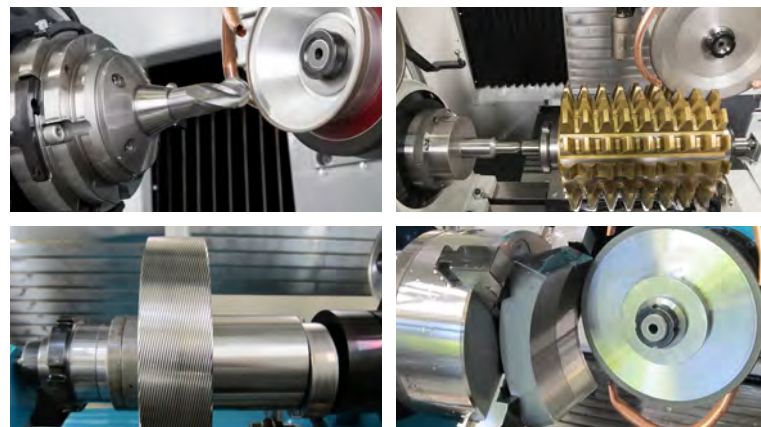


*aries*NGP

truly sharp!

Comprehensive 5-axis performance with generous working area in SCHNEEBERGER quality, and all this within the space of a tool cabinet. The perfect machine for universal reshaping and the production of small series. Now also with high-speed SCARA robots for large quantities.

- **NGP** Universal 5-axis machine
- **NGP+** 5-axis machine for tools up to Ø400mm
- **NGP 4** Universal 4-axis machine
- **NGP 4+** 4-axis machine for tools up to Ø400mm



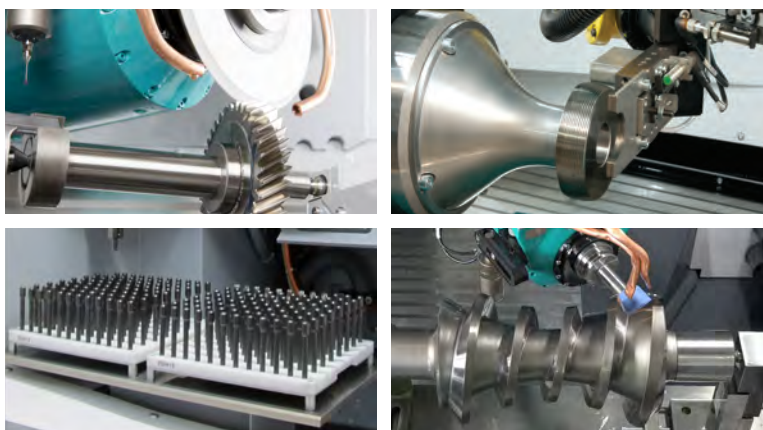
*norma*NGC

the workhorse!

Robust, compact precision machine, configurable with integrated workpiece loader and 7-fold wheel changer for high-capacity production. A speciality of the norma NGC is the regrinding of all types of gear-cutting tools.

- **NGC** 470mm longitudinal stroke
- **NGC 750** For extra length: 750mm X-axis travel





*gemini*NGM

you name it!

The high performance machine for demanding applications. Robot loading with specific grippers and palletising for high-level autonomy. Configurable with linear motors for the finest axis interpolation, maximum dynamics for oscillating processes.

- **NGM** Universal machine
- **NGM TAP** Production of threading tools
- **NGM GHP** Gearhob profiling
- **NGM F-Type** Rotary table, production of cubic parts, edge length 350mm

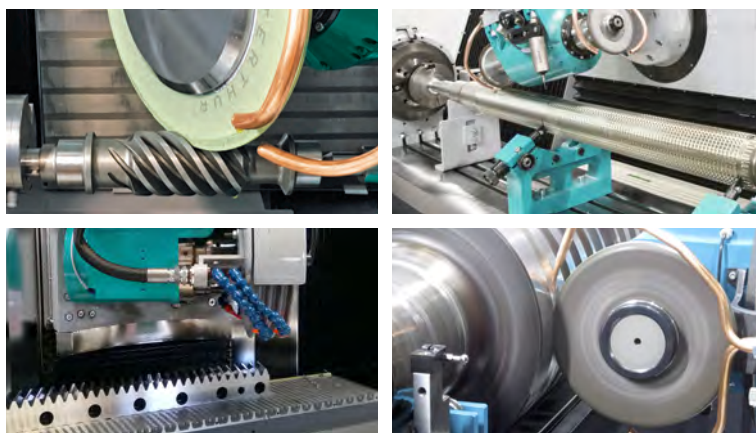


*sirius*NGS

microns or less!

Sirius stands for grinding of indexable tools, smaller rotary tools and cubic components of the highest quality. The arrangement of the linear and torque axes results in optimum short and accordingly ultra-precise grinding movements. The compact machine typically operates with four wheels, each up to 300mm diameter. The robot is integrated with either 2 pallets or a 10-pallet stack.



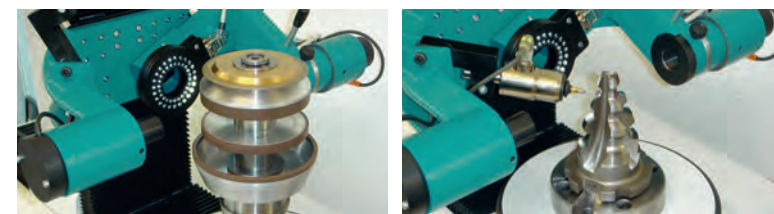


CORVUS NGB

any size goes!

Travelling column machine in longitudinal stroke versions from 850mm to 3'100mm. It is designed for heavy workpieces: The machine bed exhibits maximum stiffness, plus heavy-duty A-axis with 1200Nm torque. The modular mechanical parts are produced in series and boast the corresponding quality and durability.

- **NGB C-type** Gear cutting tools, cutter heads, spline shafts
- **NGB B-type** Thread grinding
- **NGB BBA** Broach grinding
- **NGB F-type** Rotary table, production of cubic parts, edge length 500mm



galileo

The Galileo tool measuring machine with 2 cameras and 3D probe is the ideal complement to Schneeberger grinding machines. Measured deviations are transmitted directly to the grinding machine for compensation. Galileo also serves as a grinding wheel presetting device.



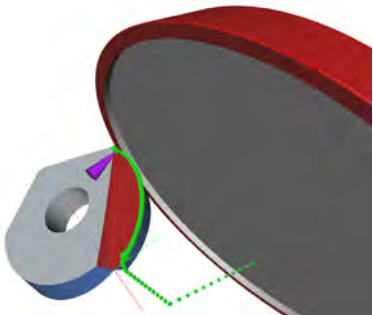
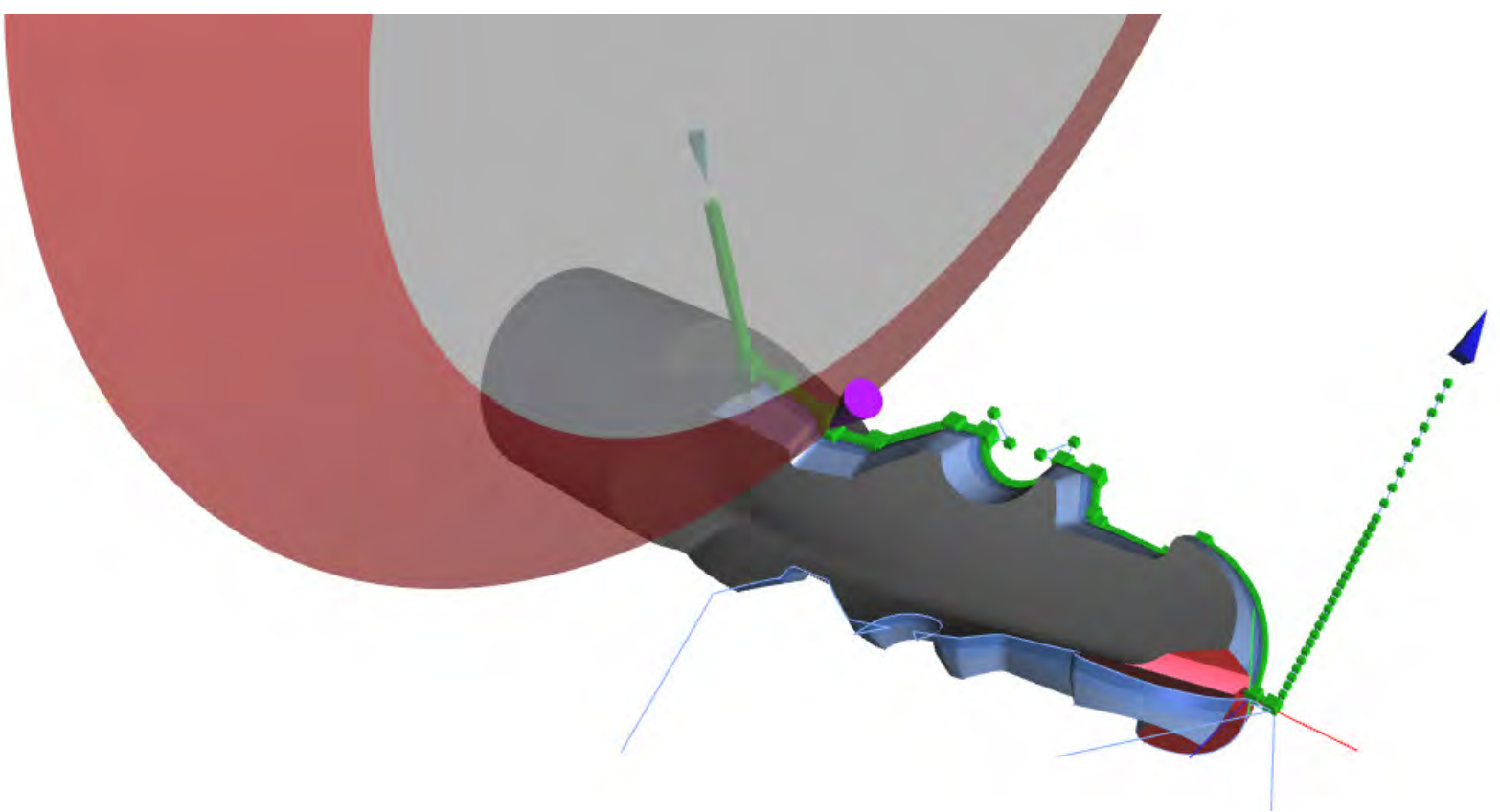
vasca

Filter systems from 200 to 900 litre tank volumes for feeding one or two grinding machines. Cartridge filters are optionally combined with magnetic or band filters. The integrated temperature control guarantees the heat dissipation and therefore constant precision.



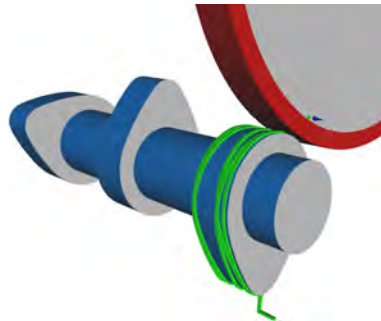


Quinto **Qg1** offers interactive graphics from the first inputs. Workpiece parameters are converted into a solid 3D model as the optimum basis for generating the grinding path. The integrated **Toogle** database for geometries, grinding technology and production control offers a comprehensive library of standard tools ex works and enables the user to organise their own data.



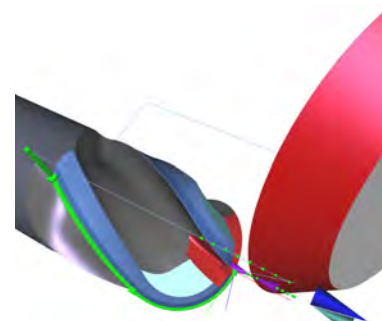
Profiling

The top tier in tool grinding. **Qg1** masters the relevant disciplines: Contour grinding, line-by-line grinding of straight or logarithmically curved clearances, as well as profiling with a full-form wheel. The course of the corresponding cutting face is digitally simulated or probed in the grinding machine.



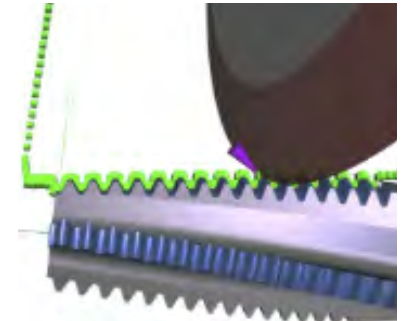
STEP, IGES, STL, DXF, ISO, GDX

Interfaces with familiar CAD standards and free programming in ISO make **Qg1** an open system. Previously defined geometries are accepted, while **Qg1** performs the realisation and design of the grinding technology.



Software PERFORMANCE

Consistent use of 3D models results in absolutely precise calculation of the grinding path. Lead-angles can be varied along the path. In **Qg1** the wheel geometries can be freely defined, full-form wheels are calculated based on the workpiece geometry and the given wheel-positioning.



QREATOR

Qg1 offers the **Qreator** for experienced users and demanding applications. The **clearanceQreator** facilitates the free design of clearance surfaces, **pathQreator** allows the grinding technician to vary the calculated path, and **probeQreator** provides graphical interactive access to measuring programs.

