

FOR IMMEDIATE RELEASE

Rollomatic spotlights 5 Grinding Machines for Dental Burs and Rotary Instruments

Mundelein, February 2021. Rollomatic, a leading machine tool manufacturer based in Le Landeron, Switzerland, maintains its global leadership position in the dental industry by highlighting a number of upgraded models for manufacturing dental rotary cutting tools. The various Rollomatic CNC grinding machines can be used for high-volume geometry grinding and blank preparation of a number of dental cutting tools, such as:

- Surgical and laboratory dental burs
- 1- or 2-piece construction, solid tungsten carbide, steel or stainless
- Gates-Glidden
- Rotary endodontic files
- Lindemann cutters
- Implant twist drills
- Implant taps
- Endmills for CAD/CAM dentistry
- and more



Selection of dental burs and rotary instruments ground on Rollomatic



Rollomatic 5-axis CNC GrindSmart® Nano5 tool grinding machine with automatic tool loader for high volume grinding of dental tools and rotary instruments



Dental tool grinding on the 5-axis GrindSmart® Nano5 grinding machine offers exceptional flexibility in comparison to conventional single-purpose grinders. With its 5 fully interpolating CNC axes and a pick-and-place automatic tool loader, the machine can easily be adapted for any type of dental cutting instrument, both for short and long runs.



Compared to 5-axis machines, the model CNC246F is a prime example of a dedicated and highly productive 3-axis fluting machines suitable for flute and relief grinding of rotary files. The machine is equipped with 2 grinding stations and a pick-and-place automatic loader. Highest productivity can be achieved due to its compact design. The machine is equally suited for flute/relief grinding of drills, taps, reamers and other rotary cutting tools.



The GrindSmart® model 530XW 5-axis tool grinding machine with new and innovative capabilities relating to the production grinding of dental burs and rotary files is equipped with a pick-and-place automatic loader and a wheel/nozzle changer. The compact and versatile design allows full and user-friendly interchangeability between different tool types as well as industrial tools such as inserts and round-shank tools. The machine is particularly suited for grinding carbide endmills for the CAD/CAM dentistry.



With a choice of 4 and 5 CNC axes, both ShapeSmart® NP30 and NP50 precision pinch and peel grinding machines are based on the proven method of pinch grinding, a technology invented by Rollomatic, that ensures polished surface finishes and unmatched performances achieving micron precision. The machines are particularly suitable for cylindrical grinding or blank preparation of CAD/CAM endmills, drills and burs. Quick-change attachments can also be ground with these machines.



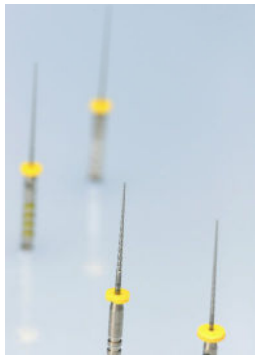
The RPG is a hydraulically operated precision plunge grinding machine for cylindrical grinding operations and blank preparations. The machine is equipped with a V-type magazine loader and is therefore suitable for unattended high volume production grinding. The shank guidance and following steady rest allow precise grinding results with a TIR below 1 micron. This machine is highly recommended for blank preparation of dental burs.

The Rollomatic 5-axis CNC tool grinders are equipped with tool design software called VirtualGrindPro which runs the multi-axis GrindSmart® series machines. In addition to the already extensive tool diversity, further tool geometries have been added both for dental tools as well as industrial cutting tools. Rollomatic's strategy with this expansion is based on helping operators and programmers to facilitate an environment of efficiency and collaboration within the user's organization. This powerful software offers the highest possible speed, ease-of-use and flexibility. These machines can switch over from dental to industrial tools in an operator-friendly and timely fashion.

In addition to the software expansion, the 3-dimensional simulator has been updated with a faster and more accurate version. The impressive stability and instantaneous rendering of 3D images will enable users to save valuable programming time and effort.



Selection of dental burs, lab burs and rotary instruments ground on Rollomatic grinding machines including blank preparation



Endodontic rotary files ground on Rollomatic grinding machines



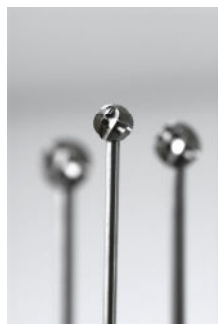
Endodontic rotary files ground on Rollomatic grinding machines



Endodontic rotary files, implant stainless drills and taps ground on Rollomatic grinding machines



Selection of dental burs, lab burs and rotary instruments ground on Rollomatic grinding machines including blank preparation



Surgical cutting burs ground on Rollomatic grinding machines



Selection of dental burs, lab burs and rotary instruments ground on Rollomatic grinding machines including blank preparation



Implant drill



Root canal reamer



Rotary file



Implant tap



Implant drill

Rollomatic provides outstanding service/support from its North American headquarters in Mundelein, IL, and satellite offices in CA, FL, IN, MA. For more information visit: www.RollomaticUSA.com or e-mail solutions@rollomaticusa.com.



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