

RPM: REVO PROCEDURE MANAGER

Revo 540C offers the next generation of control software: RPM, or, Revo Procedure Manager. Designed to make your job easier, this completely redesigned software solution guides you from beginning to end through the set-up and assembly process for each job. Easy-to-follow prompts and graphics help ensure you don't get out of sequence or forget a step, thereby enabling you to create more accurate, higher quality parts.



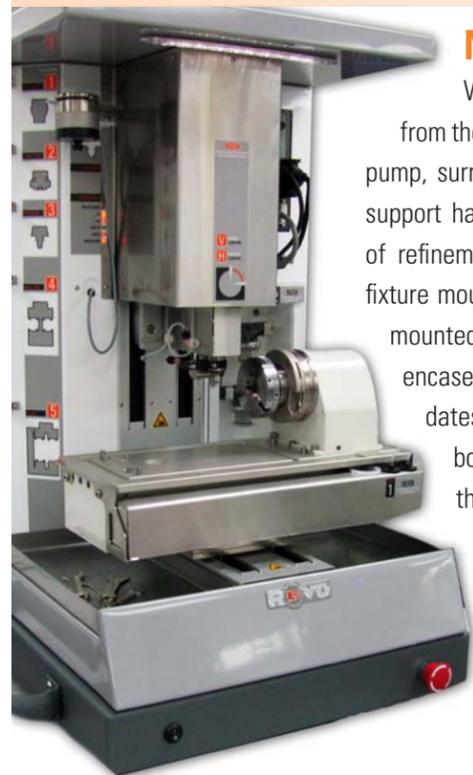
REVO PROCEDURE MANAGER: New control software with step-by-step instructions, easy to follow graphics, and redesigned controls

USB CONTROL

The Revo540C is linked to its computer via a brand-new USB control system. This faster and more efficient connectivity between the PC and the mill means faster data transfer, higher speeds, improved reliability, and enhanced performance.

DUAL PUMP AND FILTER

Machining models with the finest, most narrow tools provides the best part detail, while high spindle speeds offer the best surface finishes. To allow for these superior levels of performance, both tools and wax must be kept cool. The REVO 540C's newly redesigned dual pump and filter system ensure proper coolant levels and recirculation of coolant to yield the best results even in highly-detailed models.



NEW OVERALL DESIGN

While the underlying frame was retained from the 540B model, the spindle, A axis, coolant pump, surrounding spindle housing, and computer support have all been redesigned to reflect years of refinement and design knowledge. Brand-new fixture mounts and catch-all trays for storage, top-mounted work-light, universal stop button, and encased laptop control computer all reflect updates to design and technology that enhance both the practicality and the appearance of the new system.



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THE ALL NEW REVO540C DUAL SPINDLE MILLING SYSTEM

REVO 540C
DUAL SPINDLE



PRELIMINARY INFORMATION

Gemvision

INTRODUCING REVO 540C DUAL SPINDLE MILLING SYSTEM

Gemvision's next-generation mill integrates exclusive new software solutions with brand-new hardware updates to provide significant improvements in part quality and ease-of-use over previous generations. With dual-spindle technology that virtually eliminates the need to change fixtures, and software that automates advanced options while walking you through easy, step-by-step instructions for mill set-up, the Revo 540C has been completely re-engineered, both inside and out, with our customers' wants and needs in mind.



A recent MJSA survey confirms that Revo leads the jewelry market in milling systems. And Revo has always been more than just a mill – it's a complete Rapid Prototyping Solution. The jewelry industry simply has higher demands placed on it for efficiency, speed, reliability, and part accuracy than other industries. To accommodate these changing needs, the revolution is here again: Revo 540C provides a fully integrated hardware and software solution with unprecedented ease-of-use and superior model quality.

REVO RATED NUMBER #1
by recent MJSA (Manufacturing Jewelers and Suppliers of America) CAD/CAM Survey

ADVANCED TOOLPATH CREATION

In yet another revolution in the jewelry industry, making the most advanced toolpath is now as easy as selecting the part you want to mill. Revo 540C's exclusive toolpathing software makes significant advancements over previous versions by automatically calculating the numerous possible ways to create a toolpath for your model. Many processes that were previously "advanced" options are now automatically produced by the toolpath-generating software. You select the level of accuracy and efficiency necessary for a particular model and the software does the rest: maximizing the angles available to achieve the best possible surface finish and creating the output file.

SURFACE FINISH

Advances in toolpath options mean advances in surface finish, improving on even the high-quality finish available from past generations of Revo mills. Every part on the Revo 540C – including cutters, wax, spindle speed, cutting speed, and toolpath generation – works together as a completely integrated system to create parts with a very high level of surface finish.



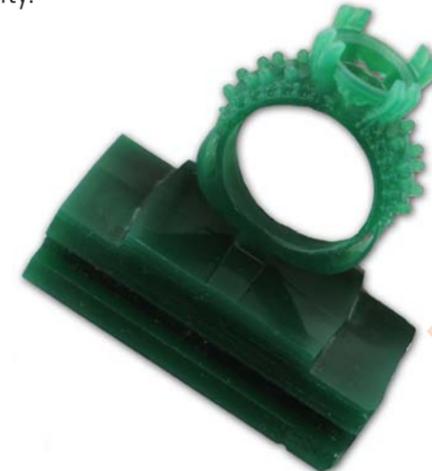
Advanced Toolpath Creation and new strategies produce unprecedented surface finish

DUAL SPINDLE TECHNOLOGY

Two high-speed spindles (Vertical – 30,000 RPM and Horizontal – 20,000 RPM) approach the model from two different directions, providing a more sophisticated approach to milling than has yet been made available in the jewelry industry. This exclusive configuration allows almost any model to be machined completely without the hassle of changing fixtures or part position, and results in easier set-up, more accurate models, and improved precision and repeatability. In significant advancements, two different cutters may be installed in each spindle, and the inside of a ring may be completely hollowed out without sacrificing accuracy or stability.

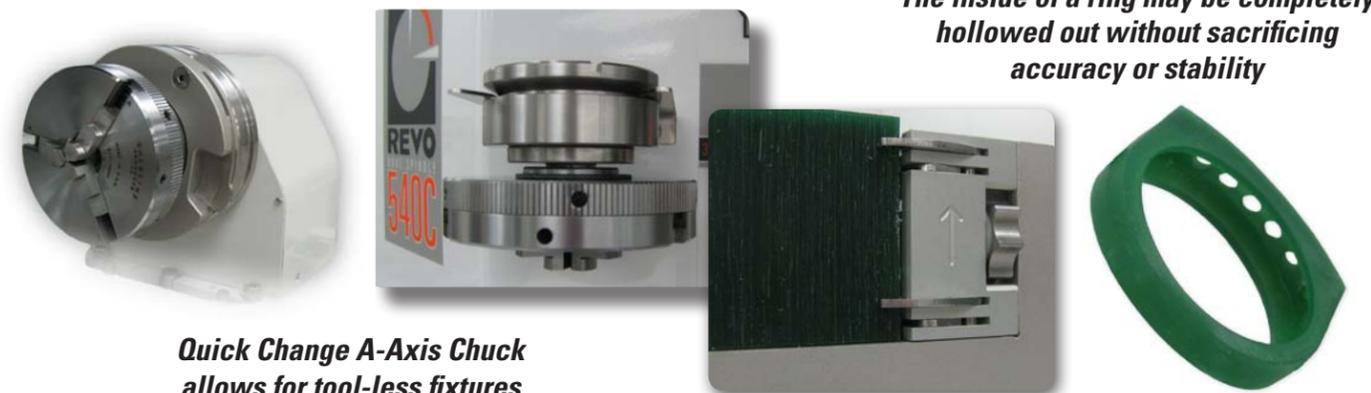


Dual-Spindle technology produces advanced models in a single operation, virtually eliminating the need to change fixtures



TOOL-LESS FIXTURES

Fixtures are key to milling quality models with minimum set-up time. The Revo 540C takes this concept to a whole new level: nearly every set-up process is designed to be performed without the use of tools. Years of research, design and development have led to five new, easy-to-use, hand-tightened fixtures which mount to the A axis without the use of tools, allowing for the machining of almost any kind of jewelry model while providing superior ease-of-use and without sacrificing part quality.



Quick Change A-Axis Chuck allows for tool-less fixtures

The inside of a ring may be completely hollowed out without sacrificing accuracy or stability