

MIRACLE CUTTING MACHINE

Gem cutting, faceting and polishing machine with minimal and physical human touch



Miracle Cutting Machine

Miracle Cutting Machine (MCM)
is a company dedicated to
empowering commercial jewelers
globally through the development
of highly innovative semi-automatic
gems cutting, faceting, and polishing
machines. Our mission is to advance
the jewelry industry by providing stateof-the-art solutions that enhance
efficiency, precision, and creativity
with minimal physical human touch.





Since the beginning of 2009, our company has been on a gems journey under the visionary leadership of Mr. Alex Spinel, specializing in gem cutting factory operations (jeweler) and sales.

Mr. Spinel made the strategic decision to develop semi-automatic machines in response to the mounting challenges posed by a shortage of skilled labor and the market's low quality outputs from automatic machines significantly.

OUR STORY

After ten years of dedicated research and development, Mr. Spinel created outstanding gem cutting machines.
Although he had intended to use the breakthrough solely in his own factory, overwhelming demand from industrial collaborators prompted him to reconsider and pursue sharing his innovations with the rest of the world.

This story emphasizes our dedication to innovation, quality, and the advancement of the gemstone industry through practical, expertly engineered solutions.

Our Purpose

Our innovative solutions effectively address the primary challenges that precious gem cutting face, namely a lack of skilled labor and subpar output from fully automated cutting machines.

We have developed advanced semiautomatic machines that enable factories their reliance on skilled labor while producing superior results through innovation and a commitment to excelence.

Our journey is defined by a commitment to solving real-world problems for the gem cutting industry by offering dependable, efficient, and high-quality solutions that set new standards for craftsmanship and productivity.

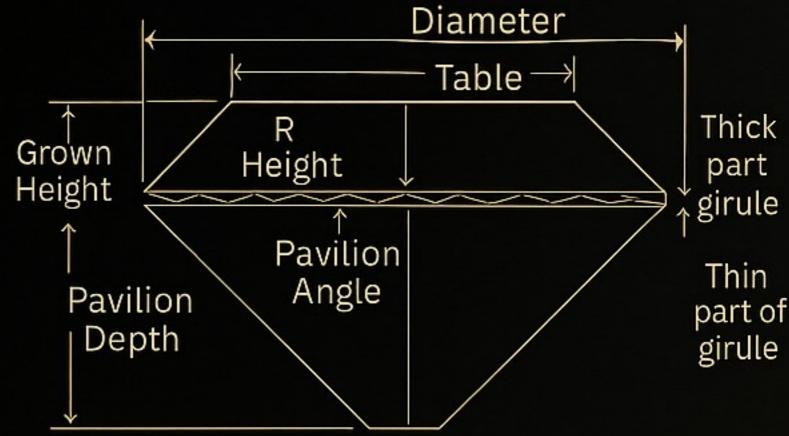
Reduce Dependence on Skilled Labours

SUPER IDEAL CUT PACKAGE



Gems cutting, faceting and polishing machine with minimal and physical human touch

SUPER IDEAL CUT PROPORTIONS

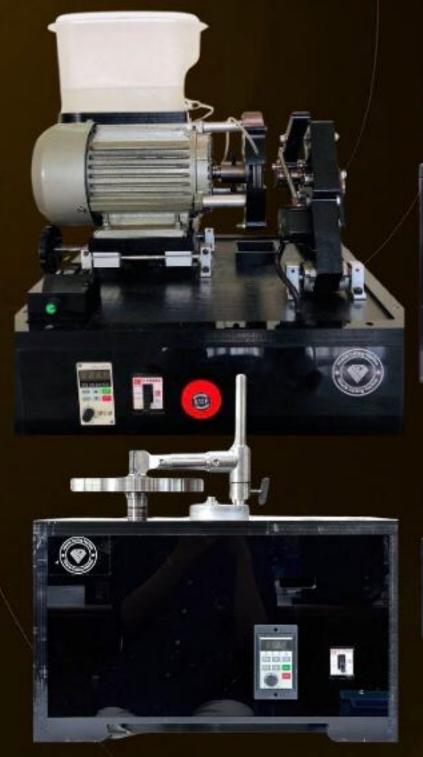


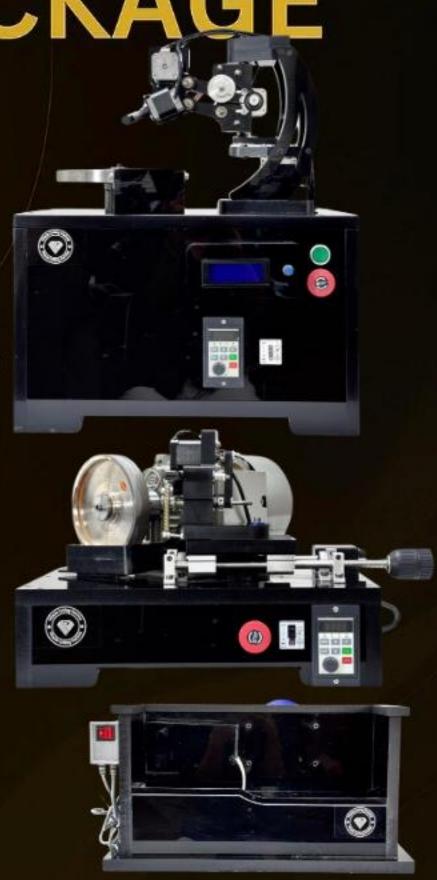
BOTTOM VIEW

SIDE VIEW table bezel facet Figure 1: Diamond Proportions star-facet TOP VIEW upper hair facet 8 Star **Facets** 1 Table 8 Kite crown Facets culet 16 Upper lower half facet Girdle **Facets** pavillion main facet 8 Pavilion Main Facet



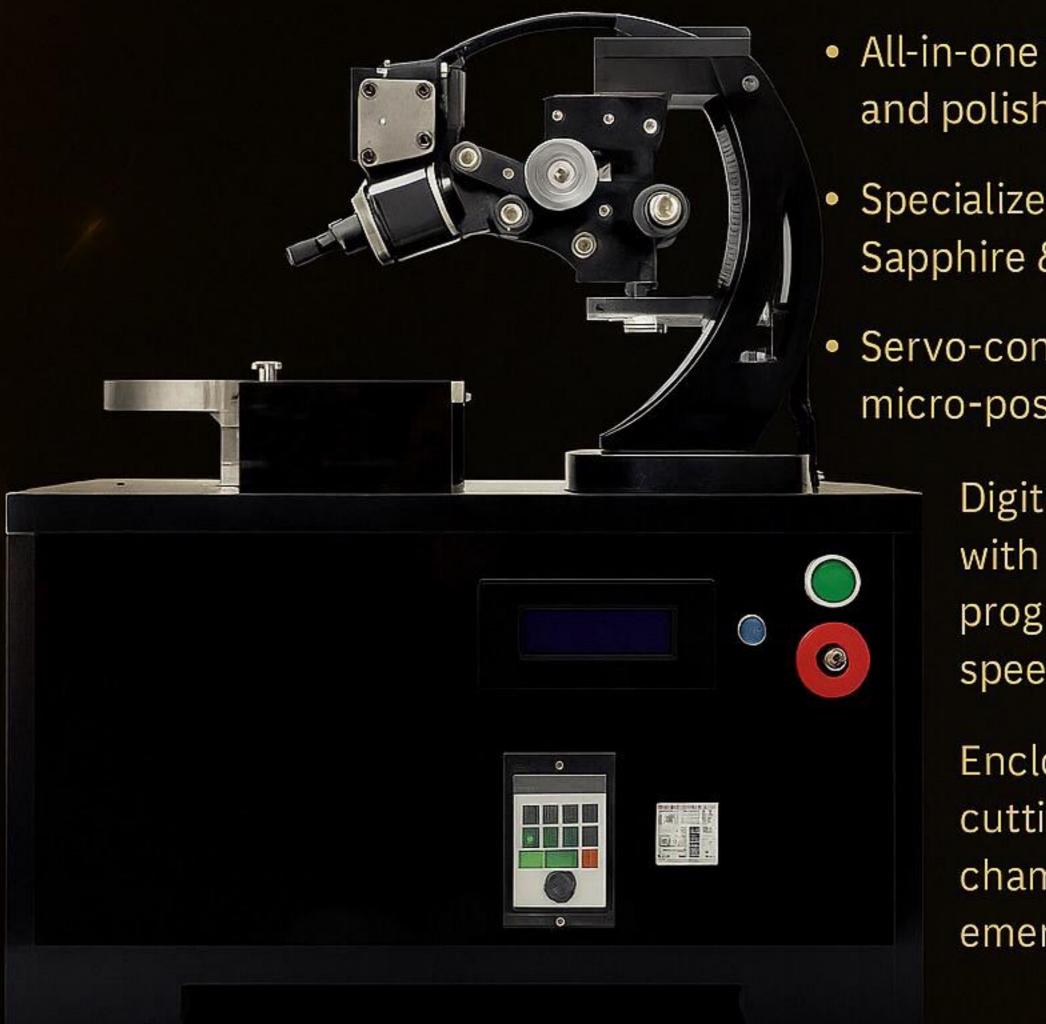
SUPER IDEAL CUT PACKAGE





FACETING & POLISHING MACHINE

For Precision Cutting of Small Gemstones (1-3mm)



- All-in-one faceting and polishing system
- Specialized for Ruby, Sapphire & Spinel
- Servo-controlled micro-positioning

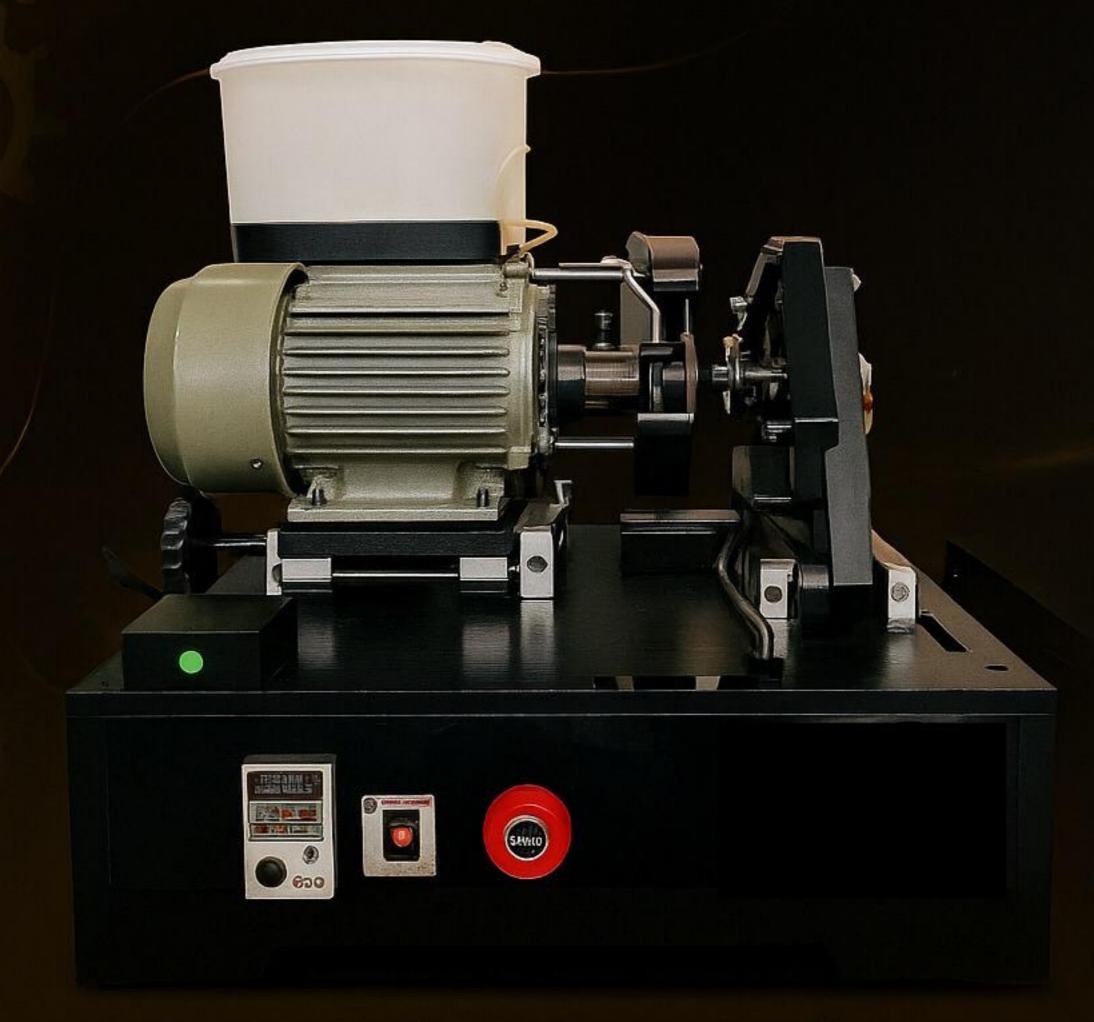
Digital LCD programmable speed & angles

Enclosed, safe cutting chamber with emergency stop

- Delivers high-precision results with minimal material loss
- Perfect for jewelry production, custom faceting & fine finishing

Girdle & Calibration Machine

For Perfect Gemstone Rounding and Sizing



- Forms precise girdles with accurate diameter control
- Ensures perfect roundness and symmetry
- VFD motor with digital speed control
- Precision chuck and micrometric adjustmensts
- Built-in cooling system and safety stop features
- Heavy-duty design for vibration-free performance
- Ideal for calibrated gemstone production

Crown Angle Machine

For Precision Faceting of Gemstone Crowns

- Crafts crown facets with exact angle control
- Ensures symmetry, brilliance, and facet consistency
- Digital display with step-motor positioning
- Micrometric adjustments for precise crown héght and angles
- Supports table, star, bezel, and upper girdle faceting
- High-grade diamond wheels & vibration-free build
- Emergency stop & enclosed cutting area for safety

 Perfect for standard cuts, custom crowns, and bulk production

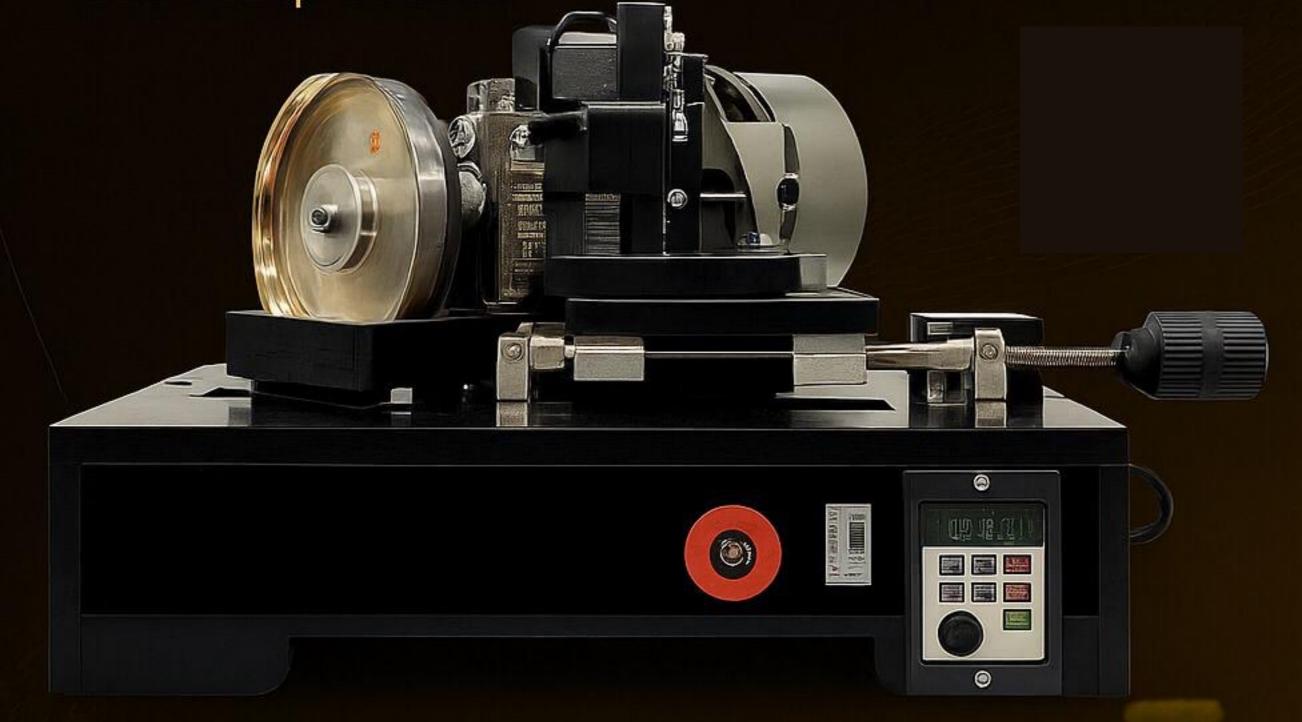
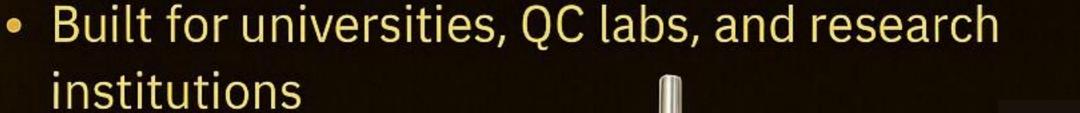


TABLE POLISHING MACHINE

For Mirror-Finish Surface Preparation

- Precision polishing for flat gemstone and sample surfaces
- Variable-speed platen with digital LCD control
- Weighted arm for uniform pressure and polish
- Enclosed setup for safety and debris control
- Delivers lab-grade mirror finish with high repeaability
- Ideal for gem labs, geological surveys, and material research
- Reduces prep time, and eliminates hand-polishing errors

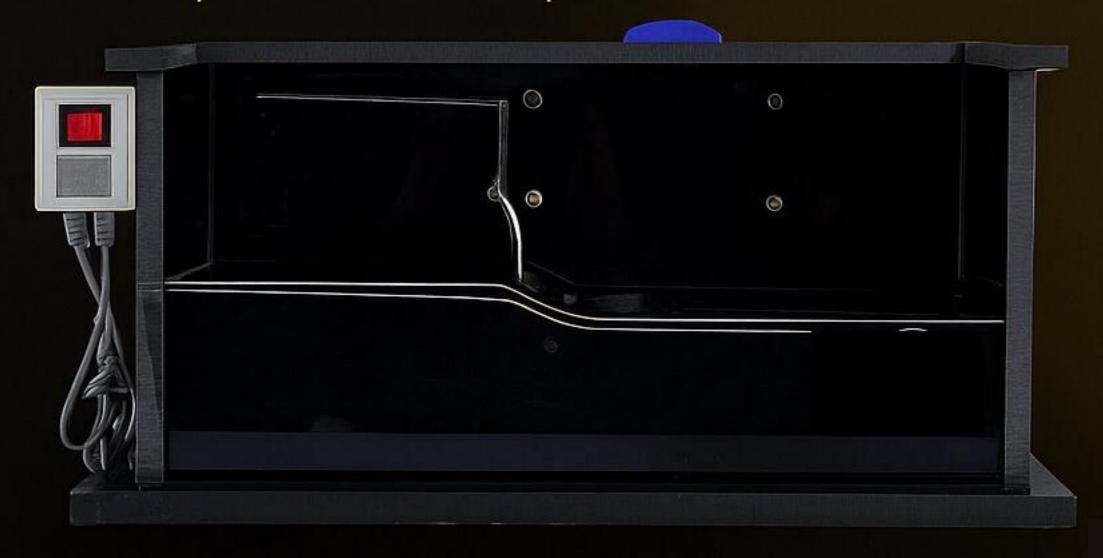




PREFORMING MACHINE

For Rough Shaping of Gemstones Before Faceting

- Shapes rough stones into basic geometric forms
- Enclosed chamber with external safety controls
- Compact, bench-top design for workshop use
- Ideal for initial grinding, material removal, and angle setting
- Prepares stones for crown and pavilion cutting
- Improves cutting efficiency and reduces material waste
- Perfect for lapidary studios, jewelry makers, and production setups





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We are ready to give you Shining & Smiling!

CONTACTUS

We are ready to give you Shining & Smiling!

For inquiries, quotations, or expert advice, please contact us:

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