



BRAVO EVOLUTION



The top-selling Silca mechanical key cutting machine

Bravo Evolution is the top mechanical key cutting machine for duplicating **flat cylinder, vehicle and cruciform keys**.



Bravo Evolution has been designed and manufactured in conformity with CE mark European standards.

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Bravo Evolution sums up the know-how Silca has developed in over forty years of industry leadership and is a safe bet for the locksmith searching a **durable, reliable and practical mechanical key cutting machine**.

It features:

- three-sided clamps with knobs with dynamometric control system,
- mechanical tracer point with micrometric adjustment ring nut,
- single speed cutter motor.

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Smooth to handle, practical carriage

- Bravo Evolution features **smooth and stable carriage movements**.
- Thanks to the special internal mechanism, the plays while shifting the carriage are reduced to the minimum for precise key cutting operations.
- **The carriage is released by pressing the red button** between the clamps, which automatically activates the cutter for practical and safe key cutting operations.

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Long-lasting structure

- The bushings of the carriage shaft apply a technology used in the automotive industry and are covered with special oils that guarantee **better sliding and resistance to wear.**
- Their dust removing system hinders the intrusion of metal chippings while cutting for **a longer life and more precise cutting results.**

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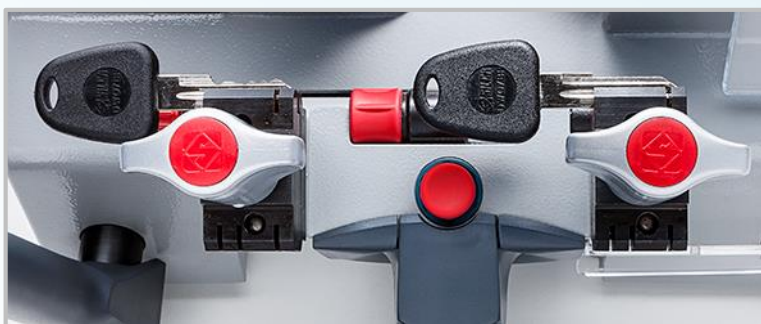
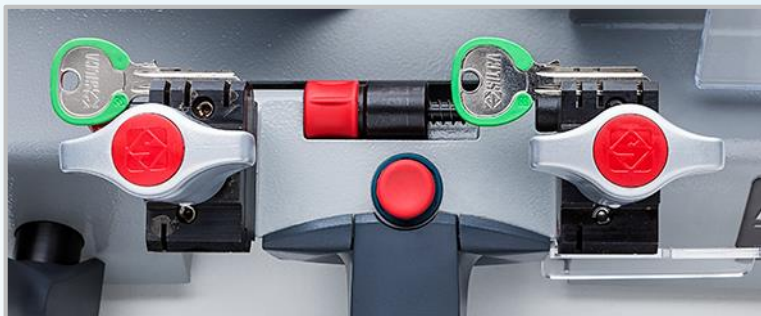
Easy calibration for precise cutting results

- The machine is equipped with a **mechanical tracer point with micrometric adjustment** ring nut ($\pm 0,05$ mm) for an accurate key cutting.

Ergonomic work station

- The **ergonomic levers and knobs** and the **neon lamp in optimized position** above the key cutting area ensure that the user operates in a comfortable and well illuminated work station.

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Three-sided clamps

- The **three-sided clamps** are easy to twist off and turn over for accommodating a wide variety of keys.
- The **patented dynamometric clamping system** with controlled movement knob ensure perfect key locking.
- The grip is balanced and secure to avoid damage to the key and to the clamp due to wrong or excessive pressure.

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Clean working area

- Bravo Evolution is unique in having **two plexiglas covers** that protect the user from metal chips and convey them into the **pull-out swarf tray below the machine**.

Safety devices

- The on-off switch features a **safety cut-out for user protection**. The machine needs to be manually re-started after a power interruption.

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Dedicated brush start button

- The **de-burring brush** for removing any shavings from cut keys is made of tynex and **is turned on via the dedicated switch**.
- It rotates at the same speed of the cutter (650 rpm).

Protection for the gauges

- The carriage cannot be released until the gauges have been disengaged for avoiding accidental damage.

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Technical Data

Power supply	230V-50/60 Hz
Cutter motor	single phase and speed
Cutter	HSS (high speed steel)
Cutter speed	650 rpm
Standard clamp	3-sided clamp with dynamometric controlled knob
Movements	on sintered, self-cleaning and self-lubricating bushings
Carriage runs	42 mm
Dimensions	Width: 400 mm, Depth: 520 mm, Height: 400 mm
Weight	21,5 kg

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