



Matrix Pro S



# Matrix Pro S

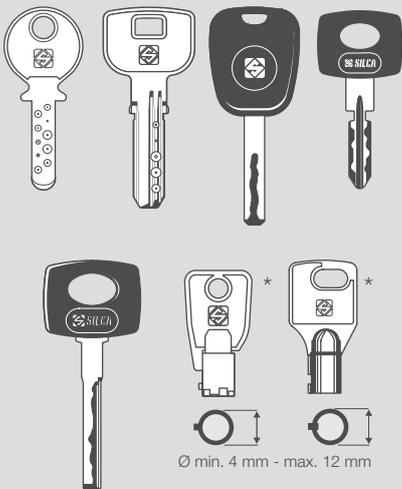
**The mechanical machine for high quality cutting of dimple, laser and tubular keys**

Matrix Pro S is the quality mechanical key cutting machine for dimple keys with flat cuts, laser and tubular keys.

The machine features: fixed clamp with four positions for accommodating different types of keys, electromechanical gauging system, quick release tool change, led lights with proximity sensors, aluminium levers and knobs with hypoallergenic coating.

## Matrix Pro S

Matrix Pro S is the mechanical key cutting machine for dimple keys with flat cuts, laser keys with internal, external and double external cuts and, tubular keys.



\* Keys cut with optional tracer point and cutter

**CE** Matrix Pro S has been designed and manufactured in conformity with CE mark European standards.

### Technical Data

**Power supply:** 230V - 50/60Hz

**Cutter motor:** single phase and speed

**Tool speed:** 6000 rpm (for cutters in high speed steel)

**Clamp:** fixed and removable, with interchangeable plates

**Standard tools:**  
Cutters F1 (dimple keys) and F22 (laser keys) in high speed steel HSS  
Tracer points T1 (dimple keys) and T22 (laser keys)  
Adapters M for Mercedes® keys type HU64

**Movements:** on three axes by ball guides

**Runs:** X axis: 40 mm, Y axis: 50 mm, vertical Z axis: 30 mm

**Dimensions:**  
Width: 310 mm (400 mm with maximum lever operating space), Depth: 400 mm, Height: 470 mm

**Weight:** 24,6 kg

### Optimized fixed clamp for a wide range of keys

Matrix Pro S features a fixed clamp with four different positions for easily installing a wide array of keys: dimple keys with flat cuts (also type Abus®, Bricard®, Cisa®), laser keys (also type HU66 and Mercedes® HU64) and tubular keys.

### Precise calibration for high quality cuts

The machine is equipped with sprung tracer point, micrometric regulation ring and exclusive self-aligning pliers for precise calibration and high quality cutting results. The electromechanical gauging system features an intuitive display for checking the correct setting of the tools before cutting.

### Time-saving set-up operations

Matrix Pro S is provided with



Optimized clamp for fixing a wide range of keys

a quick release tool change system to facilitate the machine set-up. Cutters and tracer points can be easily identified thanks to the coloured plastic collars, red and black respectively, with the name of the tool engraved on. This patented solution is a Silca exclusive and helps immediately recognize the tool you need to install.

### Ergonomic and comfortable to use

The lever of the vertical Z axis has a button that enables you to lower the tracer point/cutter unit. It also integrates the functions of automatic cutter motor start and Z-axis block. This solution ensures more safety for the operator and grants a faster and more efficient use. Knobs and levers feature an ergonomic design and a hypoallergenic coating. The rollbar allows you to rest the left hand while shifting the carriage lever for better control of the carriage and smoother movements.

### Led lighting with proximity sensor

The led lights have a proximity sensor that automatically

switches them on and off, for an ideal illumination of the work station.

### Practical and capacious accessories areas

The incorporated pull-out accessories tray has 20 moulded positions for lodging cutters and tracer points and a wide space for other accessories, so your work area will be neat and perfectly organized. A capacious tool area on top of the machine can hold keys and other accessories while cutting.

### Safe for the user

The machine features a transparent safety shield and a thermal-magnetic mains switch.



Led lights with proximity sensor



Sprung tracer point and quick release tool change system



Capacious tool holder unit

### Matrix Pro S - Plus



Wide range of cut keys



Precise calibration



Ergonomic and comfortable



Led lights with proximity sensor



Plastic tool collar



Wide accessories holder



Resistant and long-lasting

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