

1.0 **PROTECH**
TECHNICAL
UPDATE
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PROTECH

TECHNICAL FEATURES



Your Key Partner



PROTECH
CHANGE YOUR MIND
UPGRADE YOUR BUSINESS

UPDATE AND MODULARITY

Protech is an extraordinary semi-industrial work station designed and built to cut, engrave and place in order several types of keys with maximum quality and precision. Protech is a real concept and not just a simple product; it represents the ideal solution not only for Specialist Key-Cutting Centres or Master Key System Manufacturers, but also for all those who organize and manage the production of keys in significant quantities or run round-the-clock key-cutting services, and anyone who wishes to optimize the management of his business.

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Customized modularity and composition to customers' needs.



As many as 11 different models, constantly updated.

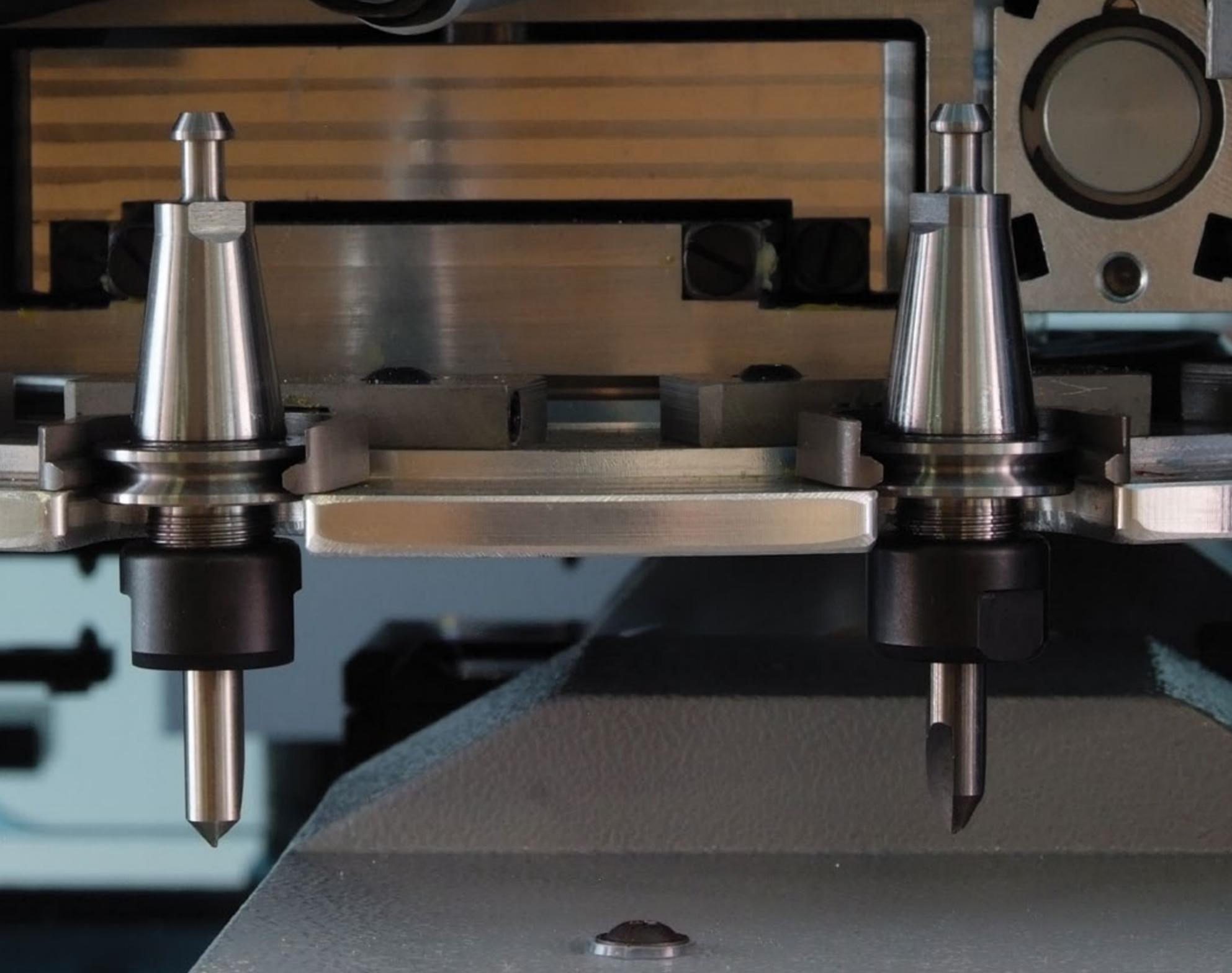


Can be composed into a great number of models to keep pace with evolving customer needs and key systems.



It is also an open system in which the software continuously updates the key systems and optional accessories Data Bases.





FAST AND PRECISE

Fully automatic, it cuts dimple, laser and flat keys in a single work cycle. Protech guarantees that the key is completed in just one work cycle, eliminating the possibility of error by those who perform key-cutting operations from time to time. Due to the encoders installed on the machine motors Protech can simultaneously work and constantly check the position of the axes with great precision (to an amazing +/- 0.01 mm). The tool changing device ensures single step production of keys with types of cuts that require different kinds of cutting tools.



Ensures maximum efficiency and profitability for cutting operations on any type of key.



Represents the ideal partner for centres offering key-cutting services for master key systems.



Simplifies work, guaranteeing best results in greatly reduced cutting cycle times.



Guarantees maximum precision whoever the operator is.

CYCLE TIME FOR FLAT KEY WITH 1 AXIS, 6 PINS AND 5 ENGRAVED CHARACTERS: 44 SECONDS*
 CYCLE TIME FOR SYMMETRICAL DIMPLE KEY WITH 1 AXIS, 6 PINS AND 5 ENGRAVED CHARACTERS: 52 SECONDS*
 CYCLE TIME FOR SYMMETRICAL DIMPLE KEY WITH 3 AXES, 5+6+6 PINS AND 5 ENGRAVED CHARACTERS: 97 SECONDS*
 CYCLE TIME FOR DIMPLE KEY WITH 1 AXIS, 5 PINS + 1 FLAT AXIS WITH 5 PINS AND 5 ENGRAVED CHARACTERS: 75 SECONDS*

* Average cycle time

ELECTRONIC, FLEXIBLE, INTELLIGENT

Protech software is extremely innovative and it is easy to use all its functions right from the start. Controlled by means of a touch screen, it is possible to rapidly and flexibly define the list of keys to be produced. With Protech you can organize and re-organize the machine and your centre's operations with great flexibility and ease. Using an advanced diagnostics system monitored by dedicated software, Protech allows you to detect any anomalies or problems regarding machine tooling, also by remote control, speeding up and simplifying reset times. The absolute flexibility and simplicity of the tooling operations make it possible to rapidly and safely convert machine production for the different systems.



Tooling times reduced to a minimum. The most complex requires 10 minutes at the most.



Accessories designed to facilitate not only use, but also the fitting of keys on the machine.



Simple to use software is also accessible from a Smartphone for remote service.



The software even allows you to monitor the state of use and wear on tools.





TIDY AND MULTIFUNCTIONAL

The optional accessories further emphasize the Protech plus factors. Using the XY sorter allows you to achieve orderly distribution of the keys produced and by means of an innovative engraving mechanism on the flat key station you can rapidly make quality engravings on both sides of keys. Last but not least, the version with a tilting clamp can make angular cuts with a precision of 0.05 degrees. The entire machine structure is designed and tested to guarantee stability throughout the key-cutting operations, ensuring superior quality for cuts and tools duration.



The XY Key Sorter is used to sub-divide masterized systems into 42 different cells that can be configured by the user.



Protech makes the work area professional and always tidy; everything necessary is on the machine and run from the machine.



Due to its special working process Protech eliminates the risk of mixing keys produced in large quantities as copying and cutting are performed in a single work cycle.



The special Protech tool holder eliminates the need to change tools for all multi-cutter processes that require changeovers, which are fully automatic on Protech.

MULTI-LEVEL MANAGEMENT. IN KEY-CUTTING CENTRES WITH MANY DIFFERENT OPERATORS PROTECH ALLOWS DIFFERENTIATED ACCESS TO THE MACHINE AND ITS USE (SHOP OWNER - EMPLOYEES).



Be *Unique*
Create Your Protech

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