

MADE BY TECHNOLOGY OF **miracle**
M501



Specification

Size	345mm(W) x 440mm(H) x 350mm(D)
Weight	36Kg
Spindle revolution	10,000 RPM (±10%)
Power consumption	130W

Introduction

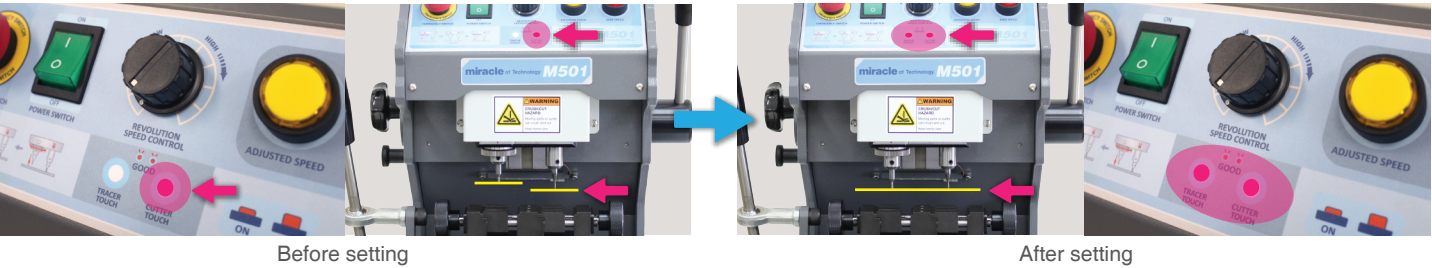
- Reduced vibration and robust body based on sheet iron which is stronger than aluminum which the other products use.
- Easy and accurate tool setting by using electro-mechanical decoder-cutter calibration sensor.
- The high precision LM guide tremendously improves copy accuracy. (Z-axis)
- The machine for both right and left-handed users. (Choose upon ordering)
- The machine provides hexagonal-key fixing groove and 2-pair composition vise which can be used from either front or back.
- Vise is easy to adjust and fix position.
- The embedded chip tray makes easy to remove chips.
- Spindle speed (RPM) is adjustable to material's characteristics.
- Smooth spring system is applied.

**The new generation key copy machine
which uses high precision LM guide.**

Features in detail

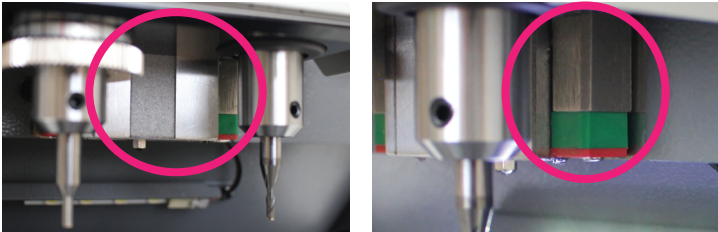
Equipped with electro-mechanical decoder-cutter calibration sensor

- Fast, Easy and accurate tool setting using electro-mechanical decoder-cutter calibration sensor.
- LED indicates the tool and vise are in contact.



High precision LM guide (Z-axis)

- High precision LM guide dramatically improves copy accuracy.
- Enables the smooth movement without vibration.



Machine for right/left handed user

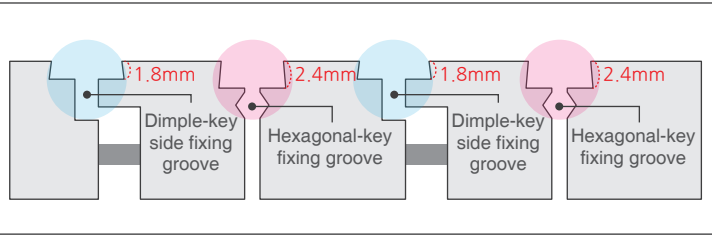
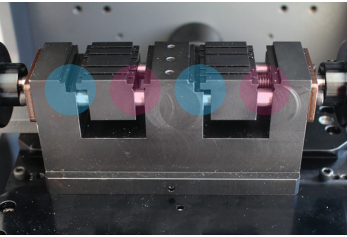
- The machine for right/left hander is available when you order.



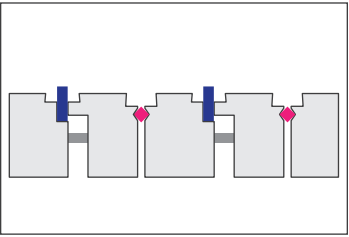
Features in detail

2-Pair composition vise

- The machine provides hexagonal-key fixing groove and 2-pair composition vise which have different height.
- Top, bottom, left and right symmetry structure. A key can be copied in any direction like 4 vises are embedded.



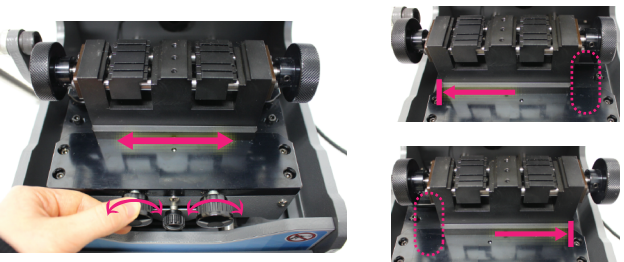
2-Pair composition vise structure



Hexagonal-key and
dimple-key fix on side

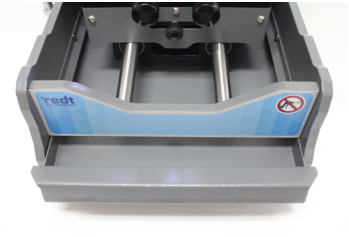
Vise position adjustment

- Vise is easy to adjust and fix position.



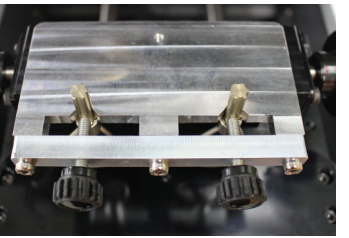
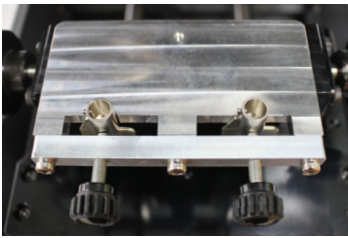
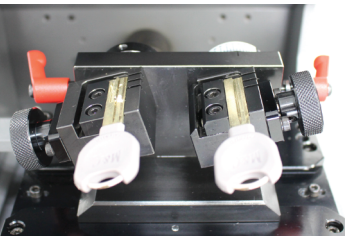
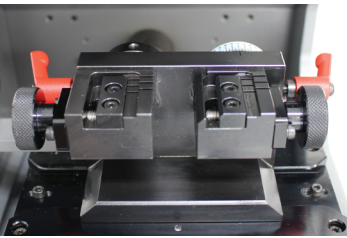
Chip tray

- Chip tray is included for easy chip removal.
- The chips are gathered into the tray.



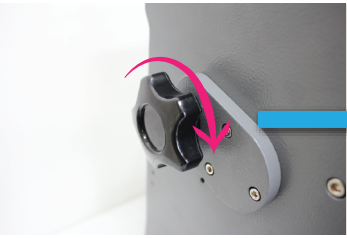
Rotating Vise (Option)

- Available cut keys to 0-45° degree.

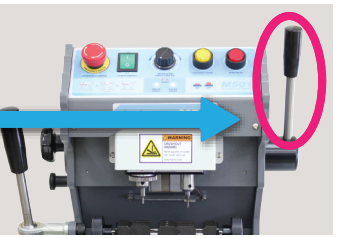


Z-axis/X-axis fix

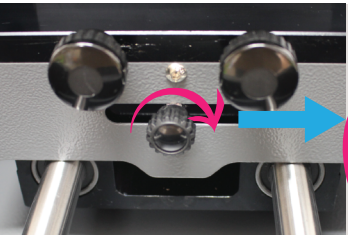
- Fixing movement on Z-axis and X-axis supported.



Z-axis fixing lever



Z-axis handle fixed



X-axis fixing lever



X-axis handle fixed

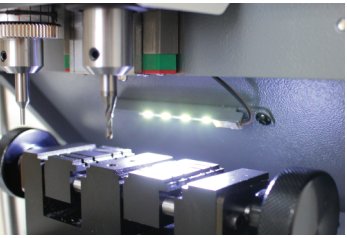
Spindle speed adjustment

- Spindle speed (RPM) is adjustable to fit a material's characteristics.



LED light

- LED light provides convenient working environment.



Tool rack

- The machine can store 20 cutters and probes.



Tool tray

- The tray underneath the machine can store additional tools such as wrenches, belts, etc.

