

PRODUCT INTRODUCTION

MIRACLE-M501

Mechanical Key Cutting Machine

MIRACLE-M501

Key cutter applied with right-angled axis



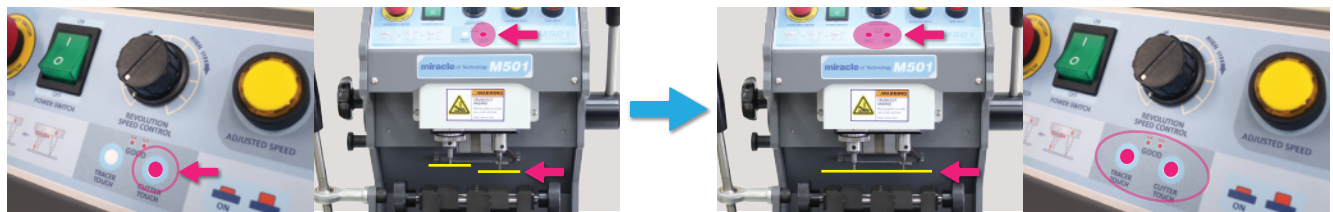
Specification

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

- 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.

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.

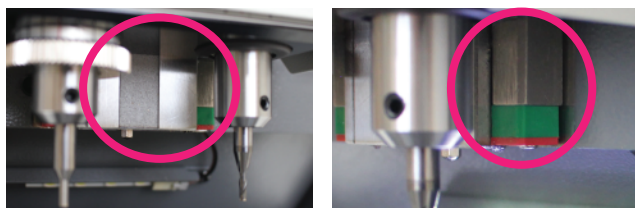


Before setting

After setting

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.

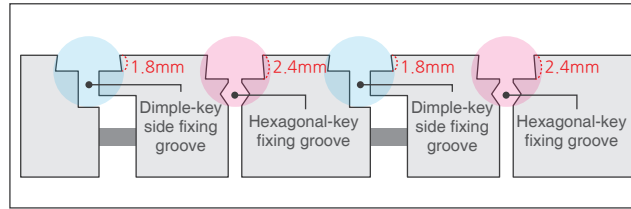
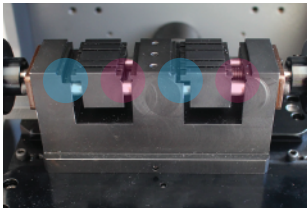


Machine for right handed user

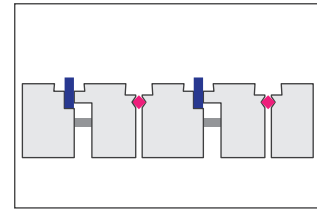
Machine for left handed user

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.



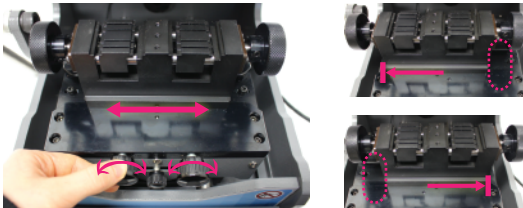
2-Pair composition vise structure



Hexagonal-key and dimple-key fix on side

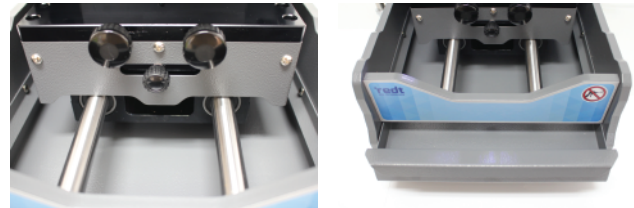
Vise position adjustment

- Vise is easy to adjust and fix position.



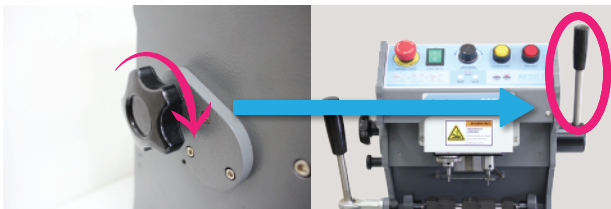
Chip tray

- Vise is easy to adjust and fix position.



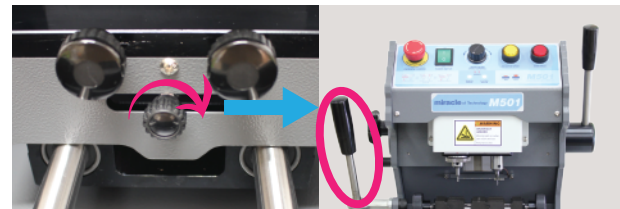
Z-axis/X-axis fix

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



Z-axis fixing lever

Z-axis handle fixed

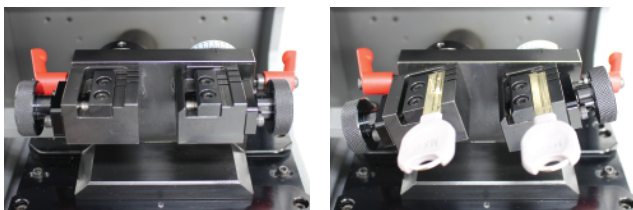


X-axis fixing lever

X-axis handle fixed

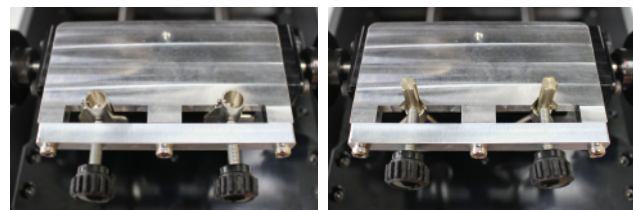
Rotating Vise (Option)

- Available cut keys to 0-45° degree.



Optional jig attachment

- Optional jig is easily attached and detached.



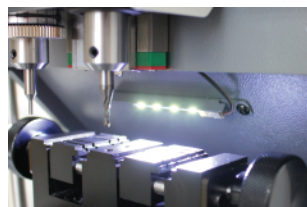
Spindle speed adjustment

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



LED light

- LED light provides convenient working environment.



Tool tray

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

