

MONSTER-G08

Customer Service:

If you have any questions or problems while using the machine, please contact our customer service team.

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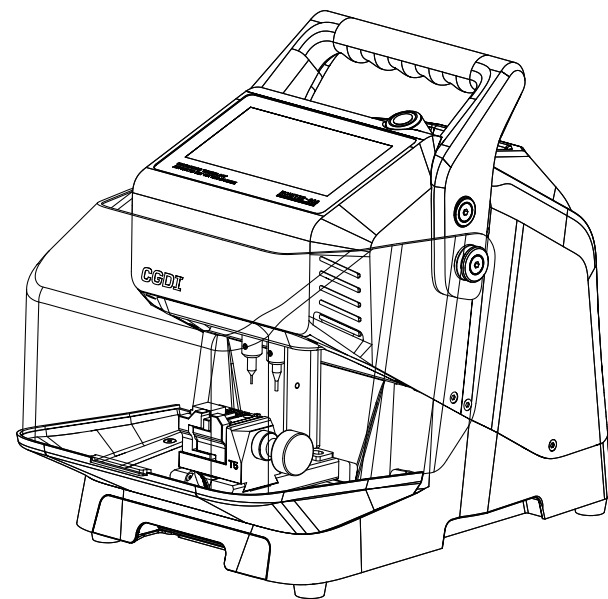
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CGDI®

MONSTER-G08

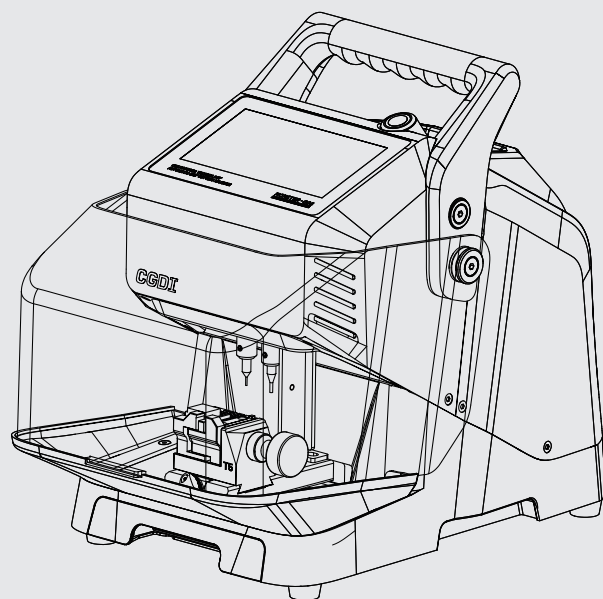
Key Cutting Machine



User Manual

Please read instruction carefully before using.

©1.0



MONSTER-G08
Key Cutting Machine

Disclaimer and Limitation of Liability

All information and illustrations in the manual are the latest information. Shenzhen Changguang Technology Co., Ltd. reserves the right to make changes without notice.

Our company does not bear any direct, indirect, special, incidental damages or any indirect economic damages.

Note:

Before operating or maintaining the machine, please read the user manual carefully, especially the safety precautions and warnings.



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1. Safety precautions

In order to ensure the safety of the operator, and to avoid damage to the machine, key and property loss, the operator must carefully read this operation manual before using the machine and observe the following safety precautions:

-  Please remove the transport bracket before using.
-  Always operate the machine in a safe environment.
-  During operation, please wear goggles that comply with ANSI standard.
-  During the operation of the machine, please do not keep clothes, hair, hands, and other tools near the key cutting area.
-  Do not place the machine in a humid, dusty, or direct sunlight environment for a long time.
-  Do not have heavy pressure, fading, immersion device and other behaviors.
-  If not used for a long time, it is recommended to unplug the power supply.
-  Please use original lithium battery or power adapter.
-  In the event of an abnormality, turn off the power immediately.

2. Product description

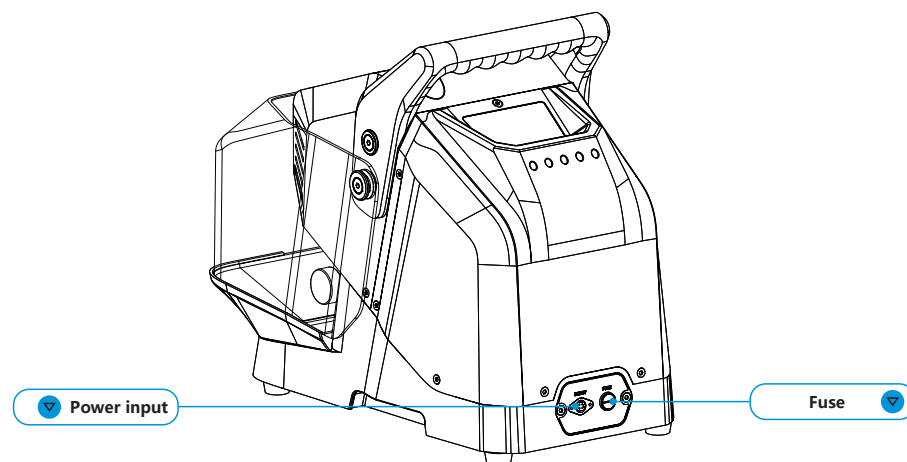
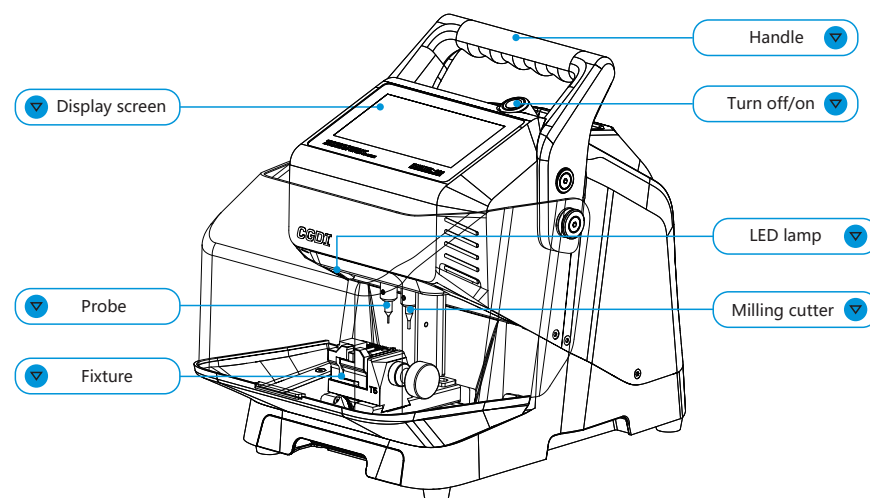
The Monster G08 Key Cutting Machine is a next-generation key processing device, tailor-made for locksmiths worldwide. Compact, portable, powerful, and innovatively designed, it features a 6.0-inch LCD capacitive touchscreen for easy operation, enabling fast and precise duplication and processing of various automotive keys.

2.1 Features

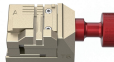
Monster G08 Key Cutter has following features:

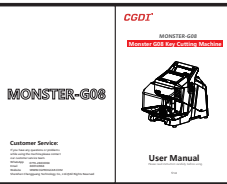
- 👍 Portable and exquisite, built-in large capacity lithium battery, ultra long continuous cutting ability.
- 👍 Standard Fixture T5.
- 👍 Support external milling/internal milling, etc.
- 👍 All aluminum structure.
- 👍 High precision imported lead screw with high cutting efficiency.
- 👍 High-rigidity cross guide rail for smoother operation.
- 👍 Supports multiple languages.
- 👍 Automatic network update.

2.2 Product structure instruction



2.3 Packing list and description

Name	Picture	Quantity	Configuration	Description
Machine		1	Standard	Monster G08 Key Cutting Machine
T5 Fixture		1	Standard	Key fixture
T3 Fixture		1	Optional	Ford FO21 fixture
1.5mm Milling cutter		1	Standard	Cutting tool (φ1.5*φ6*40L)
2.5mm Milling cutter		1	Standard	Cutting tool (φ2.5*φ6*40L)
1.0mm probe		2	Standard	Detection tool (φ1.0*φ6*40L)
2mm Hex spanner		1	Standard	Replace the probe, milling cutter
2.5mm Hex spanner		1	Standard	Removal tool
5mm Hex spanner		1	Standard	Removal tool
Cleaning brush		1	Standard	Clean up debris
Power adapter		1	Standard	Power connection tools

Name	Picture	Quantity	Configuration	Description
Internal battery		1	Optional	portable power source
National standard power cord(1.5m)		1	Optional	Power connection tools
British standard power cord(1.5m)		1	Optional	Power connection tools
American Standard power cord(1.5m)		1	Optional	Power connection tools
European standard power cord(1.5m)		1	Optional	Power connection tools
Product Inspection Certificate / Packing List		1	Standard	Product factory inspection certificate Product factory packing statistics
User manual		1	Standard	Key assembly / commissioning / operation manual

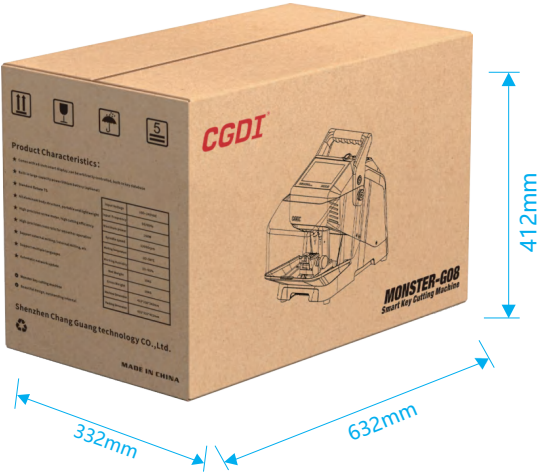
2.4 Product specifications

Input Voltage	100~240VAC
Input Frequency	50/60Hz
Maximum power	160W
Spindle speed	12000rpm
Working Temperature	-20~50℃
Working Humidity	10~90%
Net Weight	15kg
Gross Weight	18kg
Machine Dimension	413*238*342mm
Packing Dimension	632*332*412mm

Machine size



package size



3. Installation instructions

3.1 Remover transport bracket

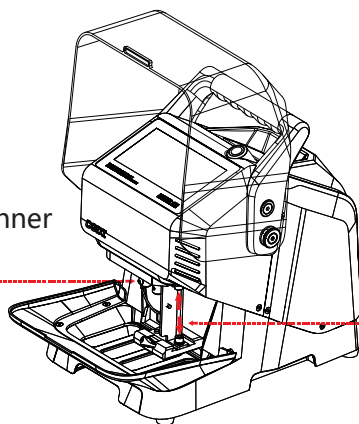
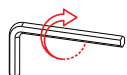
Remover transport bracket steps:

Step 1: As shown on the left side of the picture below, use a 2.5mm hexagonal spanner to turn the screw counterclockwise to remove it.

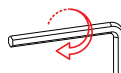
Step 2: As shown on the right side of the picture below, use a 5.0mm hexagonal spanner to turn the screw on the top of the transport bracket counterclockwise until it is removed.

Step 3: Use the 5mm hexagonal spanner to turn the screw on the top of the transport bracket counterclockwise until it is removed. Finally, remove the transport bracket.

Related tools:
2.5mm Hexagon spanner



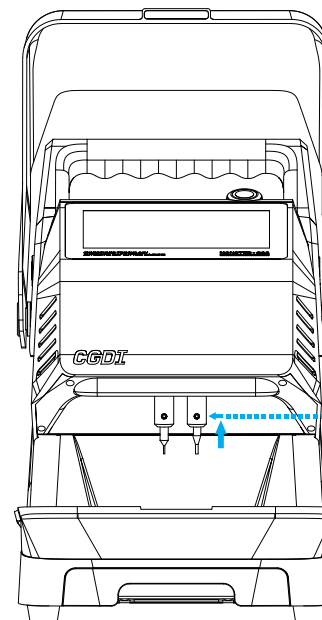
Related tools:
5.0mm Hexagon spanner



3.2 Milling cutter and probe installation

Milling cutter and probe installation steps:

- (1) As shown in the picture: First, rotate the "milling cutter locking screw" counterclockwise. Then insert the milling cutter into the cutter installation hole and push it upward until it reaches the limit position. Next, move it downward by a certain distance (2-5 mm). Finally, rotate the "milling cutter locking screw" clockwise until the milling cutter is securely locked in place.
- (2) Please refer to the steps for installation the milling cutter to install the probe.



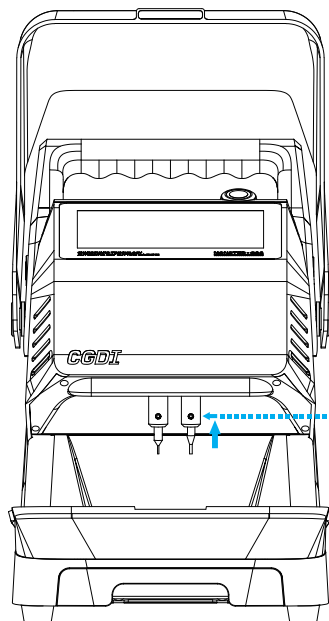
Related tools:
2mm Hexagon spanner



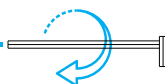
3.3 Milling cutter and probe disassembly

Disassembly steps of milling cutter and probe:

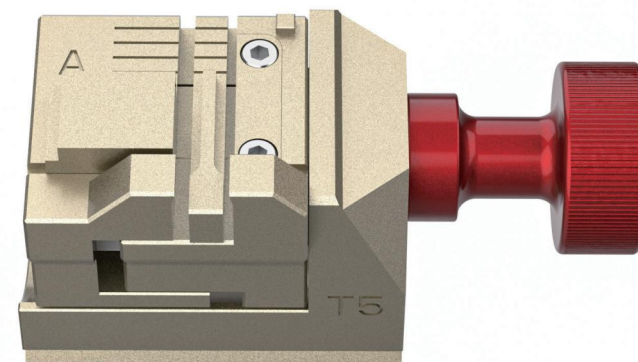
- (1) As shown in the picture, counterclockwise turn the "milling cutter/probe top tightening screw" until the milling tool or probe is loosened, and then remove it.



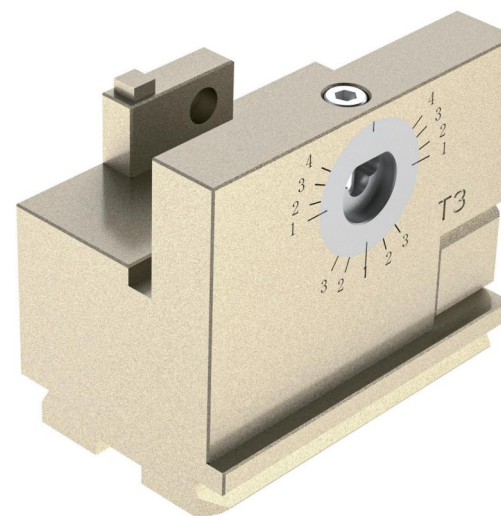
Related tools:
2mm Hexagon spanner



3.4 Fixture



T5 Fixture

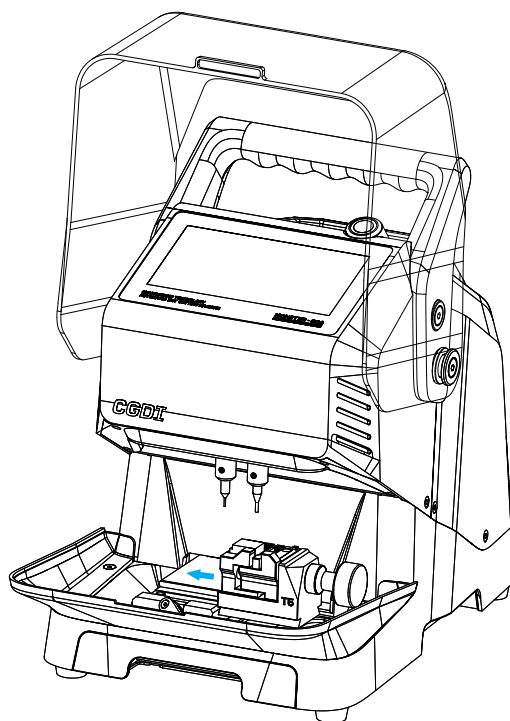


T3 Fixture

3.5 Fixture installation

Fixture installation steps:

- (1) As shown in the picture, firstly loosen the "fixture locking device" to make it easier to place the fixture.
- (2) Secondly, push the required fixture into the "fixture locking device" from the right side to the limit position.
- (3) Finally, tighten the "fixture locking device" to fully lock the fixture.

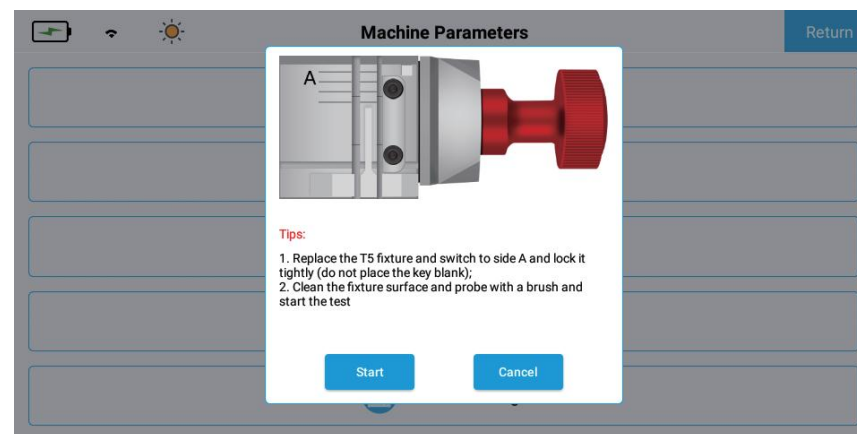


4. Operation instructions

Please calibrate for the first-time turn on the machine, as follow:

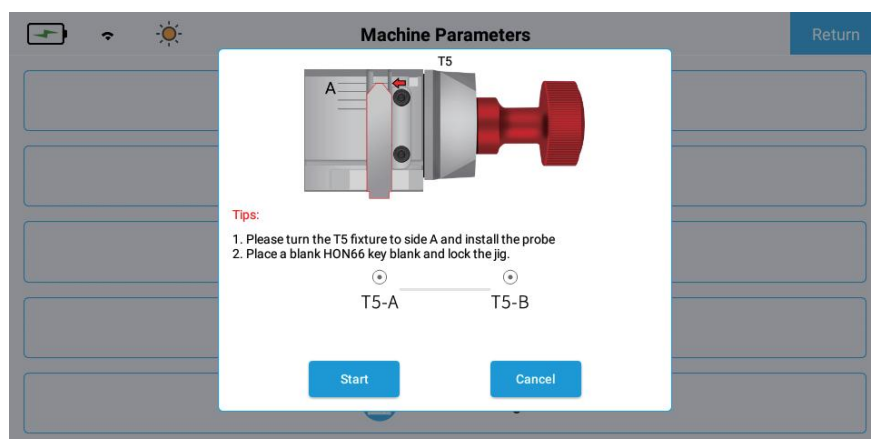
4.1 Fixture offset detection

- (1) Click "Device Parameters" on the home page.
- (2) Click "Fixture offset detection" on the "Device Parameters" page.
- (3) TFor T5 "fixture offset detection", follow the instructions on the page to replace the T5 fixture, keeping side A facing up, and then click "Start" to enter the calibration procedure.



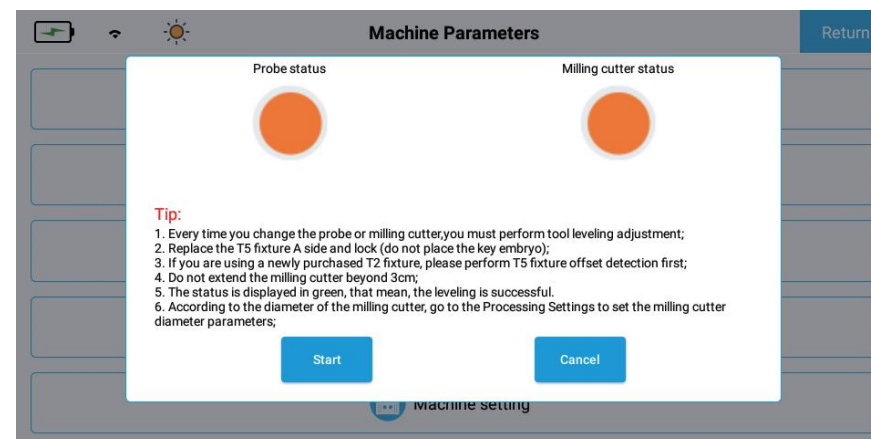
4.2 Fixture calibration

- (1) On the home page, click "Machine Parameters".
- (2) On the "Machine Parameters" page, click "Fixture Calibration".
- (3) Turn the fixture to side A, place a key blank(HON 66), and lock the fixture. Click "Start".
- (4) After calibration is complete, remove the key blank, rotate the fixture to side B, and click Continue.
- (5) After calibration is complete, click "Finish".

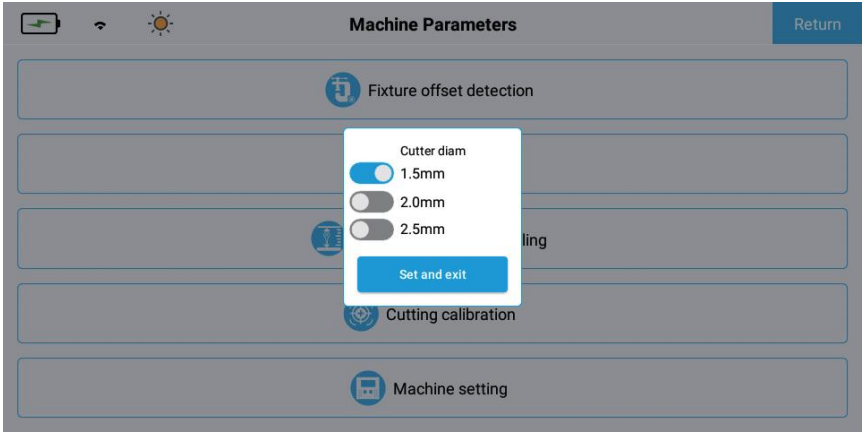


4.3 Leveling the changed height

- (1) On the main interface, click "Device Parameters".
- (2) On the "Device Parameters" page, select "Tool Changer Height Leveling".
- (3) Follow the on-screen instructions, replace the T5 fixture and lock it, then click "Start" to begin the leveling process.
- (4) After the machine stops, adjust the milling cutter and probe. When both indicators show green, the machine is leveled.

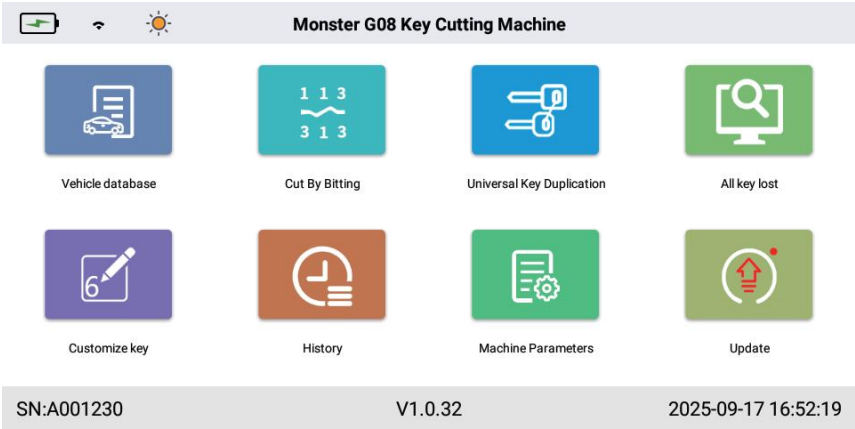


- (5) Lock the milling cutter and probe, and click "Exit" to complete the leveling process.
- (6) Select the milling cutter diameter on the page according to your needs. Click "Set and Exit" to complete the setup.

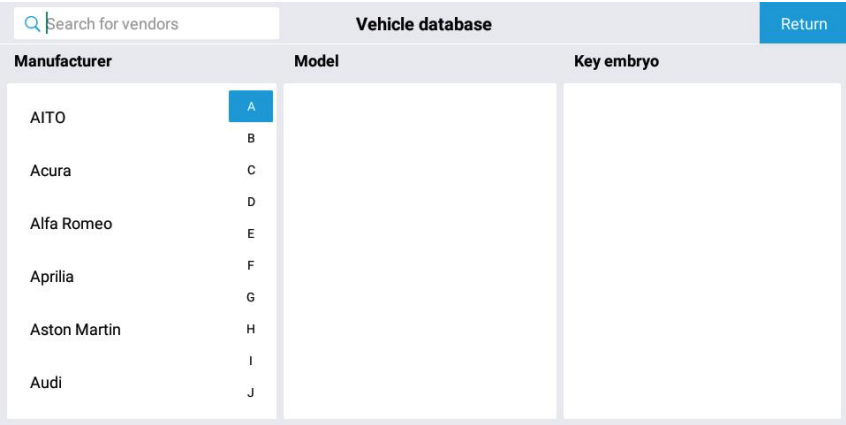


4.4 Vehicle database

- (1) Firstly determine the model and year of the car when copy key. On the home page of the key cutter, click "Vehicle Database" to enter the next page.



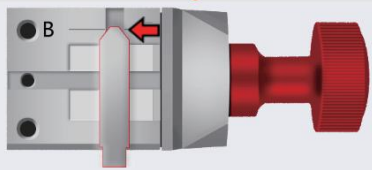
- (2) Enter the vehicle manufacturer or model in the search box, or select the model from the list, and click to enter the next page.



- (3) Select the model and key blank, and click to proceed to the processing page.

Search for vendors		Vehicle database		Return
Manufacturer	Model	Key embryo		
BAJAJ	A	116	HU92R	
BMW	B	118	HU92	
BMW (Cycles)	C	120	HU127T	
BYD	D	123		
BYQ	E	125		
Baojun	F	128		

- (4) Follow the prompts to correctly fixture the key and click "Key learning".
- (5) Obtain the original key code. After confirmed correct, click "Key cutting".

HU92R		Return
2 2 1 1 1 1 1 4 5 2 9 6 3 0 7 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
T5 fixture B sideHead alignment 		
Tooth type code information Cutter diameter:1.5 Cardid:1239 Embryo number:67 Cutting depth:1.15mm Size:820*4100*300		
1 2 3 4 377 317 257 197 ?		
Missing tooth Key learning Key cutting Machine Parameters		

4.5 Universal Key duplication

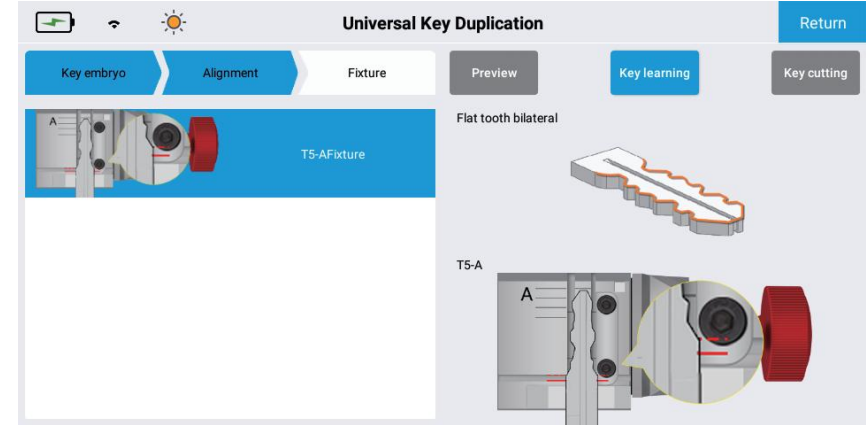
- (1) Click "Universal Key duplication" to enter the general key copy page.
- (2) Click the "Select Blank Key" button and click to go to the next page.

Universal Key Duplication		Return
Key embryo	Alignment	Fixture
Flat tooth bilateral Outer groove unilateral Outer ditch bilateral		Please select the key embryo Please select fixture

- (3) Select the alignment and go to the next page.

Universal Key Duplication		Return
Key embryo	Alignment	Fixture
Top alignment Shoulder alignment		Flat tooth bilateral Please select fixture

- (4) Follow the prompts to properly insert the key, and click "Key learning".
- (5) Get the original key tooth code, click "Preview" to confirm, and then click "Key cutting" after confirmation.



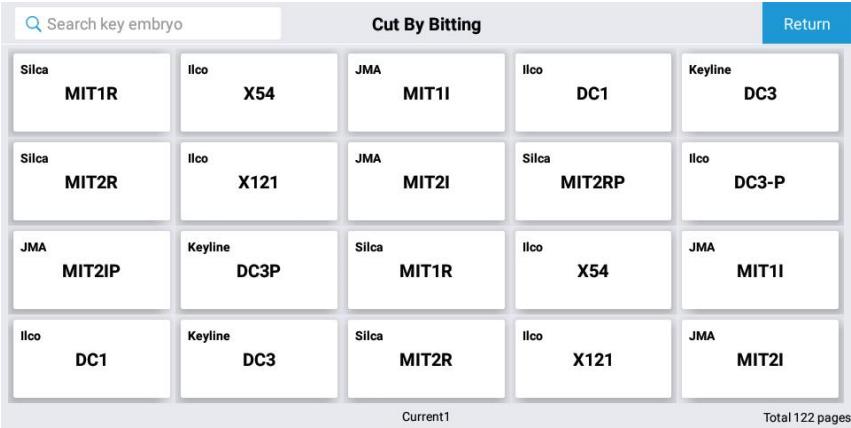
4.6 Cut By Bitting

There are two ways for using "Cut By Bitting" according to whether the original key is available.

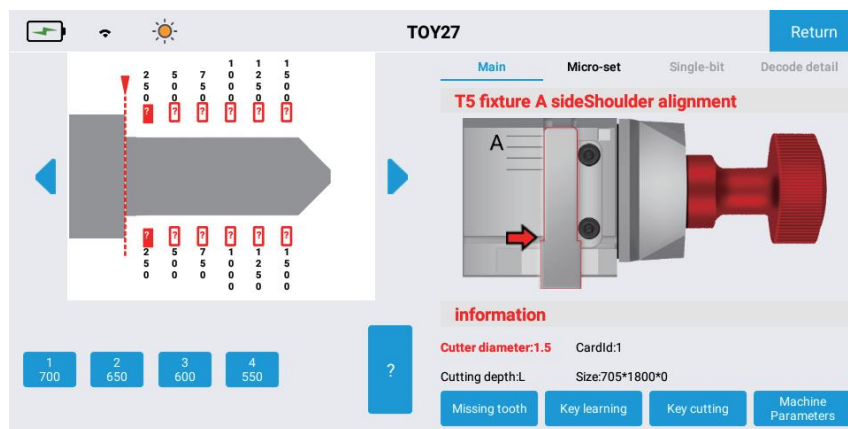
The First way

- There are two ways to obtain the key code without the original car key:
- 1.1. Get the number of teeth with a special tools.
 - 2.2. Disassemble the car lock, check the lock plate to get the number.

- (1) Click "Cut By Bitting" to enter the key blank selection page.



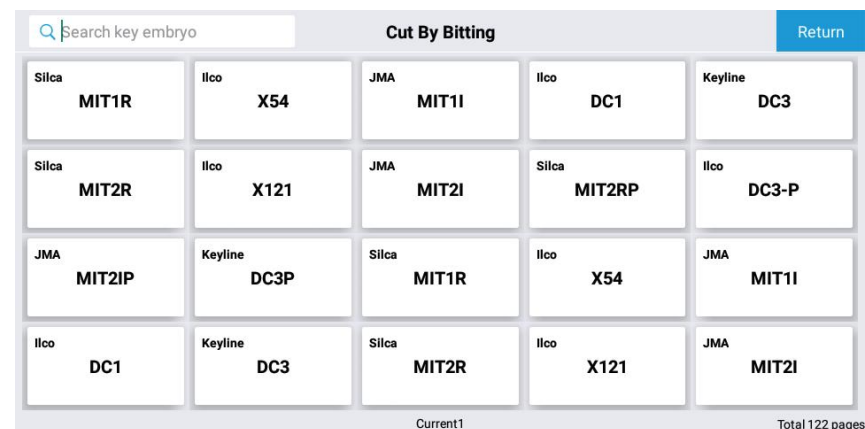
- (3) Follow the on-screen instructions to verify the relevant parameters, confirm the fixture type, and adjust the fixture position.
- (4) Enter the known number and click "Key cutting" after confirming that it is correct.



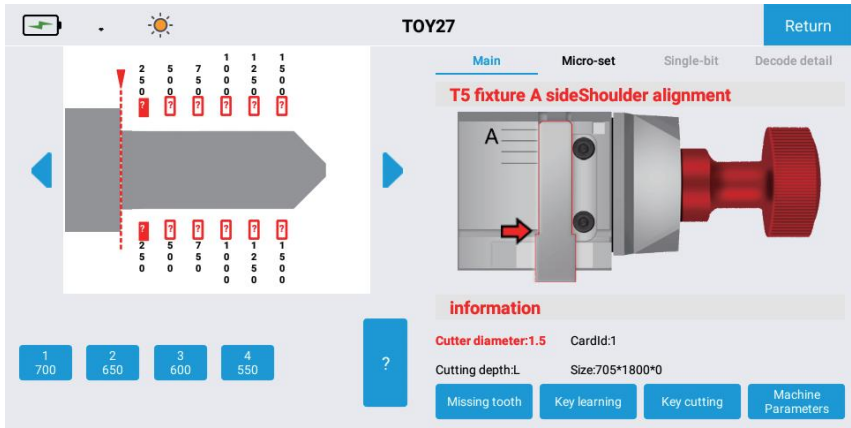
The second way

There are original car keys, keys are made by "Cut By Bitting".

- (1) Click "Cut By Bitting", select or enter the key.

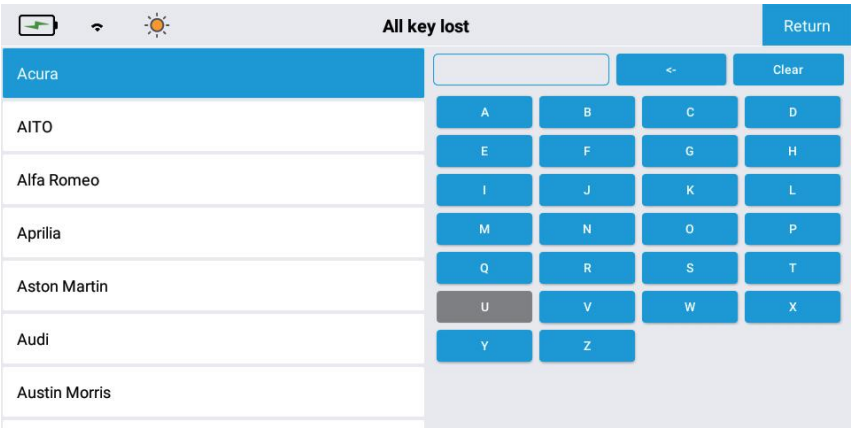


- (2) Click "Key learning" to obtain the original key code.
- (3) After confirming, click "Key cutting".

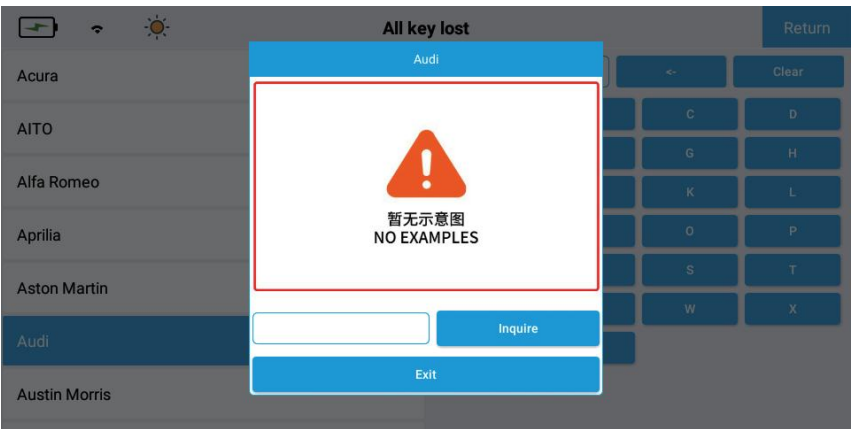


4.7 All Key Lost

- (1) Firstly determine the model and year of the car when copy key. On the maininterface of the key cutter, click "Vechile Database" to enter the next page.



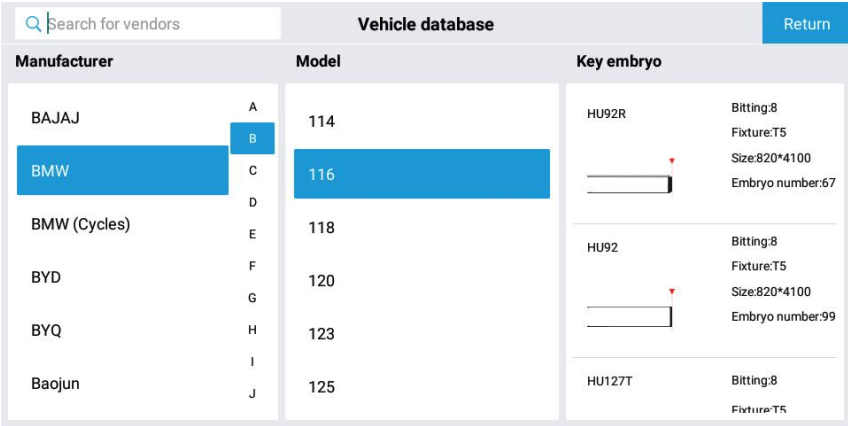
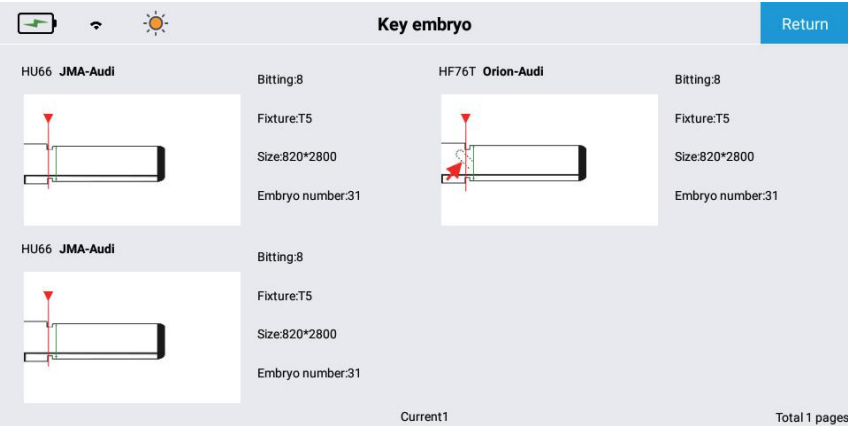
- (2) Click on the selected vehicle brand, enter the key code, and click "Inquire".



- (3) Select the serial number from the list and click to enter the processing page.

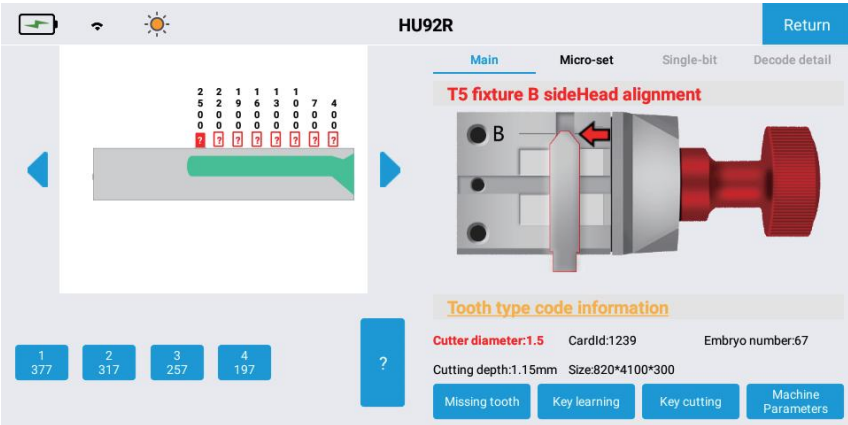
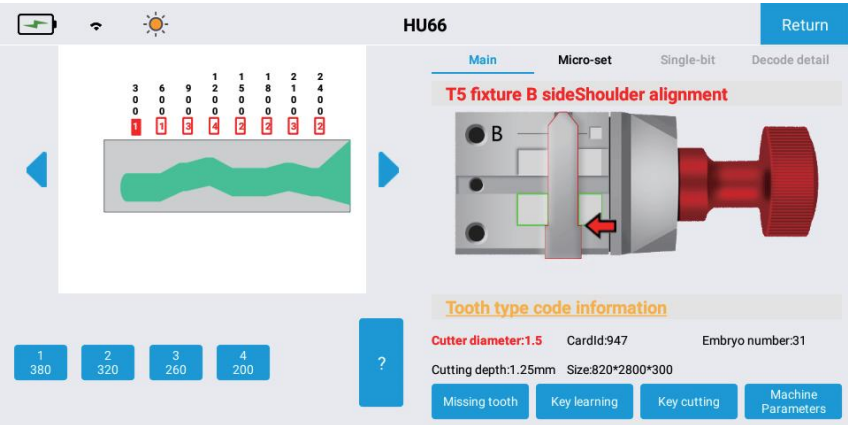
4.8 Missing query

- (1) Click "Missing query" to enter the vehicle manufacture or model selection page.

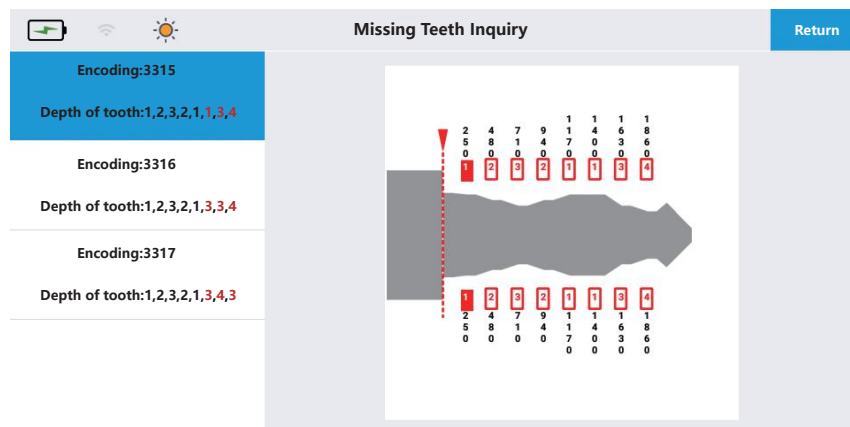


- (4) The key code will be generated automatically.
(5) Click "Key cutting" after confirming that it is correct.

- (2) Select or enter the vehicle brand or model and click to enter.



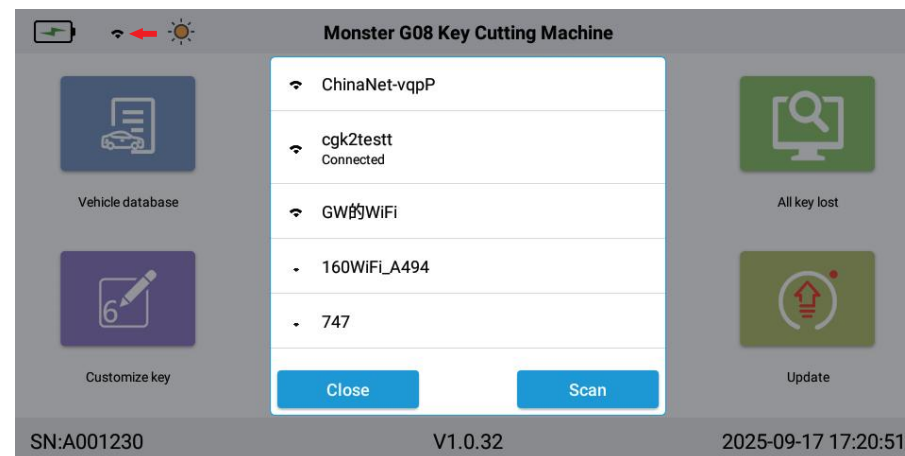
(3) Click to enter the known key code. If the key code is unclear, click "?" to enter. After entering, click "Missing Teeth inquiry". Process according to the key code calculated via the server.



5. Online upgrade

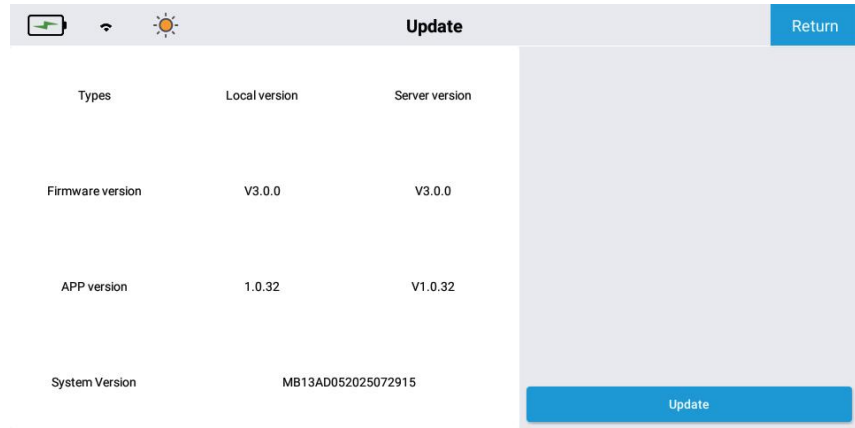
5.1 Wi-Fi connection

- (1) On the home page or "Version Update" page, click the WIFI  to enter the WIFI connection page.
- (2) Follow the prompts to connect. If it is connected, the WIFI mark as .

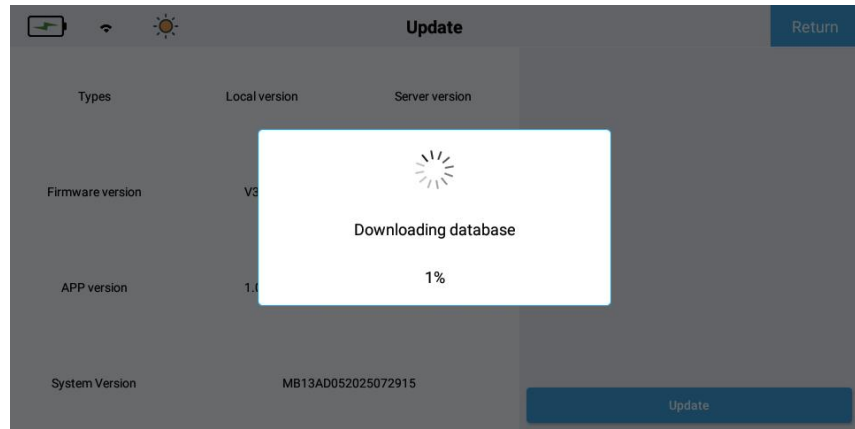


5.2 Software online upgrade

- (1) On the home page, click "Update".
- (2) If the server version need update, the text will turn red, if not, it is the latest version.



- (3) Click" Update" and click "Yes" in the pop-up dialog box to download and install the latest version.



6. Maintenance

The following explains how to maintain the machine and the necessary precautions.

- Do not use abrasive cleaners or detergents on the touch screen and all parts of the machine.
- Using a soft cloth or a mild glass cleaner to clean the LCD touch screen.
- Please dry your hands before using the screen. If the touch screen is wet or you tap the screen with wet fingers, it may affect the touch sensitivity.
- Keep the key cutting area clean. Debris and impurities will corrode machine components, reducing key processing accuracy.
- Do not rinse the machine or its components directly with water or wipe it with a damp cloth to prevent electrical leakage or rust on metal components.
- Do not drop the device or subject it to severe impact.
- Do not replace the battery yourself or use a charger other than the one included in the package.

7. Warranty

Shenzhen Changguang Technology Co., Ltd. (here in after referred to as the "Company") promises to be the original retail buyer of this product, within oneyear from the date of delivery (if there is no transaction certificate, the factorydate recorded in the company shall prevail), if Under normal use conditions, theproduct or accessory has defects in technology or materials that cause the equ-ipment to fail. Based on the transaction certificate, the company will provideyou with repair or replacement services based on the situation.

This warranty does not apply to:

- ☀ Failure to use the machine in accordance with the instructions and cause themachine to malfunction.
- ☀ Damage caused by self-repair or modification.
- ☀ Failure of the machine due to drop,impact or improper voltage.
- ☀ Damage to the machine dueto unresistible factors.
- ☀ If it is used in a harsh environmentor on a vehicle or a ship for a long time, causing machine failure or damage.
- ☀ The casingand protective cover are dirty and worn out due to daily use.