

SHADOW WARRIOR

KEY CUTTING MACHINE MANUAL

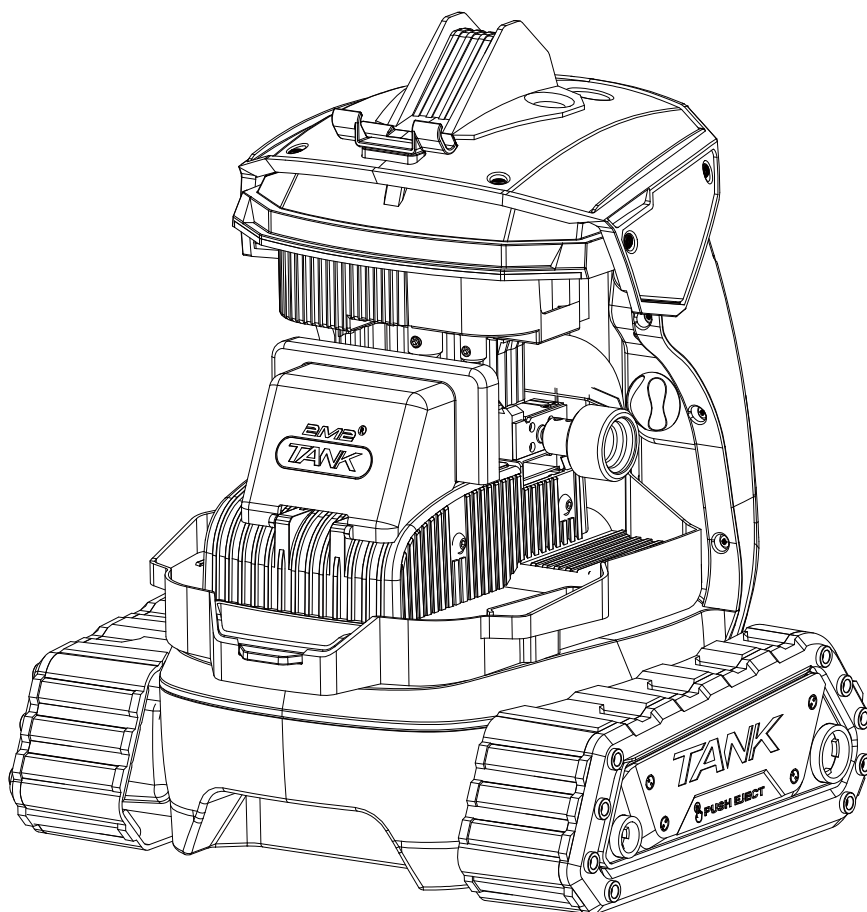


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1-1 Power supply precautions

- Do not use damaged wires or loose socket.
- Do not plug more devices at the same socket.
- Do not pull wire or touch the metal part of power supply.
- Unplug the machine when it is not in use for a long time.
- If any problem happens, please contact technique support.
- Please pay attention to the safe use of electricity: when using the machine, try to choose a socket with an earth wire.

1-2 Installation precautions

- Do not place the machine in a place that is damp, greasy and dusty.
- Do not put things like candle or cigarette end on the machine.
- Always use the machine under safe environment.
- Put the machine on the stable platform.

1-3 User precautions

- Do not have clothes, hair, hands and other tools close to the machine when it is working.
- Do not put things like tool or container on the machine.

1-4 Other precautions

- Do not disassemble the machine if you don't get permission from factory technique support.
- Keep the children away from the machine when it is working.

2、GENERAL INFORMATION

2-1 Machine description

Dear customer,thank you for using 2M2 tank automatic key cutting machine,it is a portable and light weight,especially designed for locksmiths in the world to work outdoor.To avoid injuries and damages to the machine,please use the machine correctly according to product user manual.Please read the manual carefully before you start to use the machine.

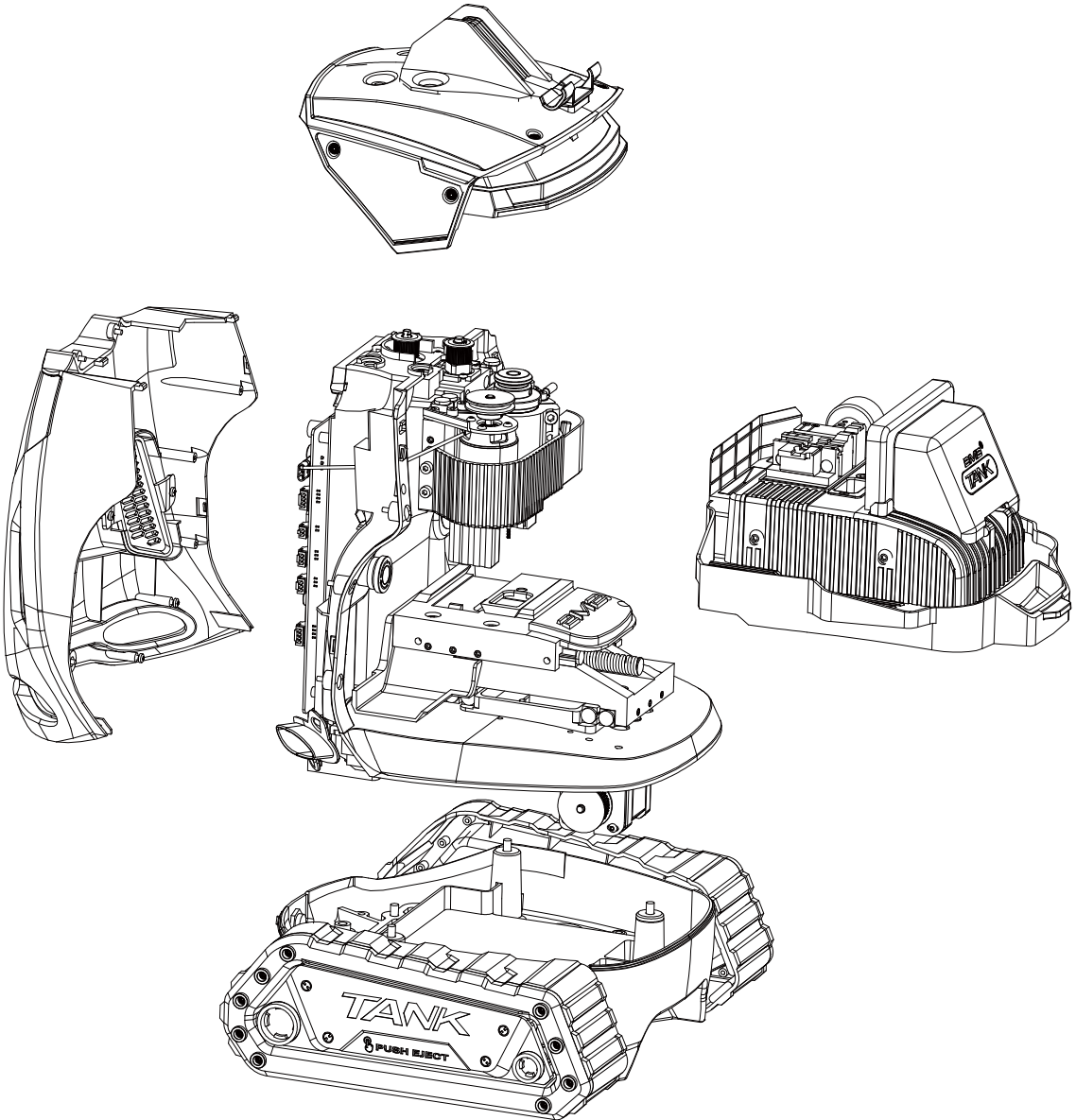
2-2 Machine characteristics

- Smart control and operation on APP and build-in database.
- Portability and build-in Lithium battery with a long battery life(optional).
- Equipped with C clamp(standard clamp),FO21 clamp(optional).
- Cutter and probe work in parallel.
- Aluminum structure.
- Imported ball screw with high precision.
- Cross rail with high rigidity.
- Support free online update.
- Operating in multiple languages(Currently available in English, Spanish, Portuguese, Turkey , Farsi, German, French, Hebrew, Hindi, Indonesian, Italian, Korean, Polish, Russian, Vietnamese, Japanese and other languages).

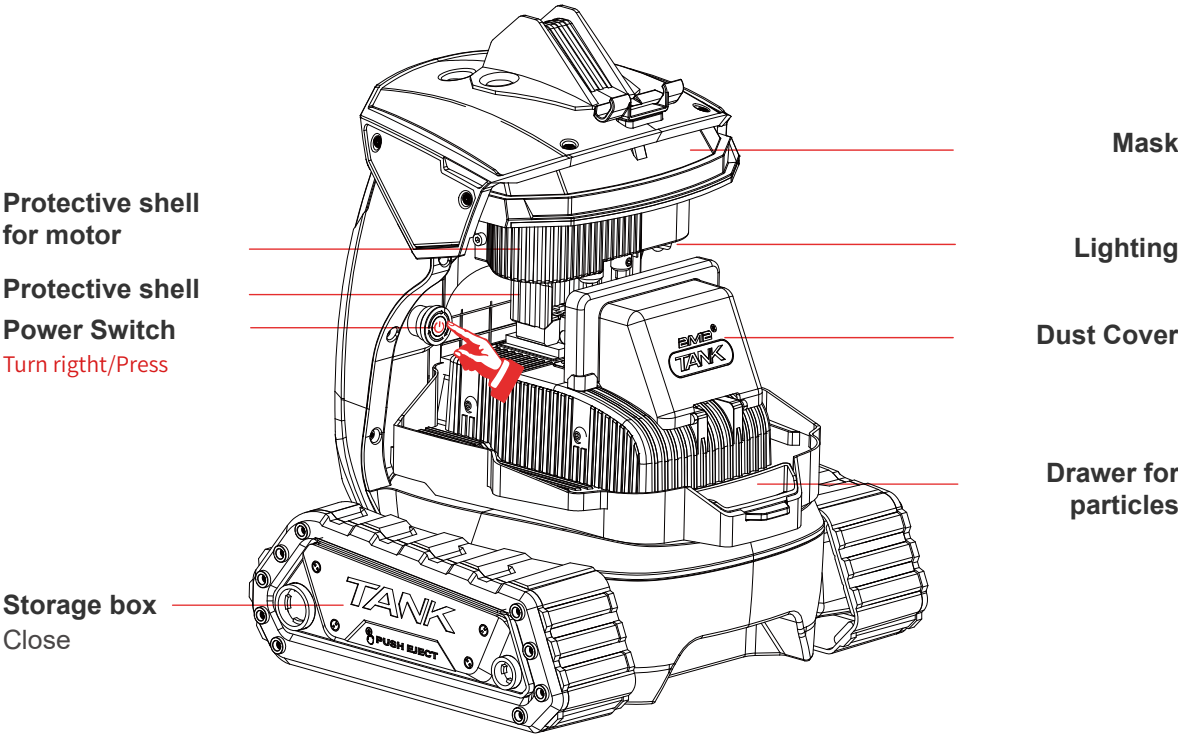
3.ACCESSORIES LIST

NO.	Picture	Product Name	Qty
1		Hexagon Driver(2.0)	1
2		Hexagon Driver(4.0)	1
3		Hexagon Driver(2.5)	1
4		Stopper	1
5		Screw Pressing tool	1
6		Screw	2
7		Spacer Blocks	3
8		Probe (1.0)	4
9		Cutter (2.0)	2
10		Cutter (1.5)	1
11		Belt for motor	4
12		Power Cord	1
13		Power Adapter	1
14		Brush	1
15		Blow	1
16		Phone Holder	1
17		S	3
18		L	3
19		T	3
20		HON66	1
21		Dust Cover	1

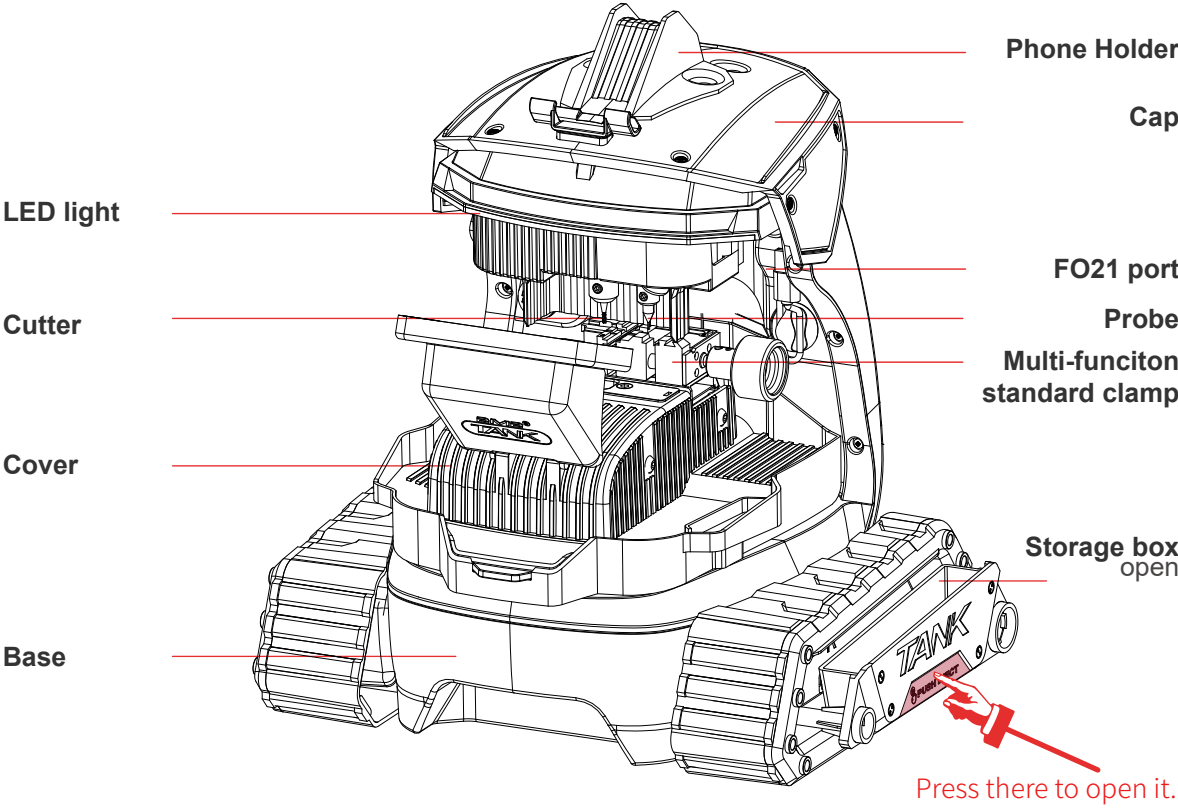
4-1、OVERVIEW

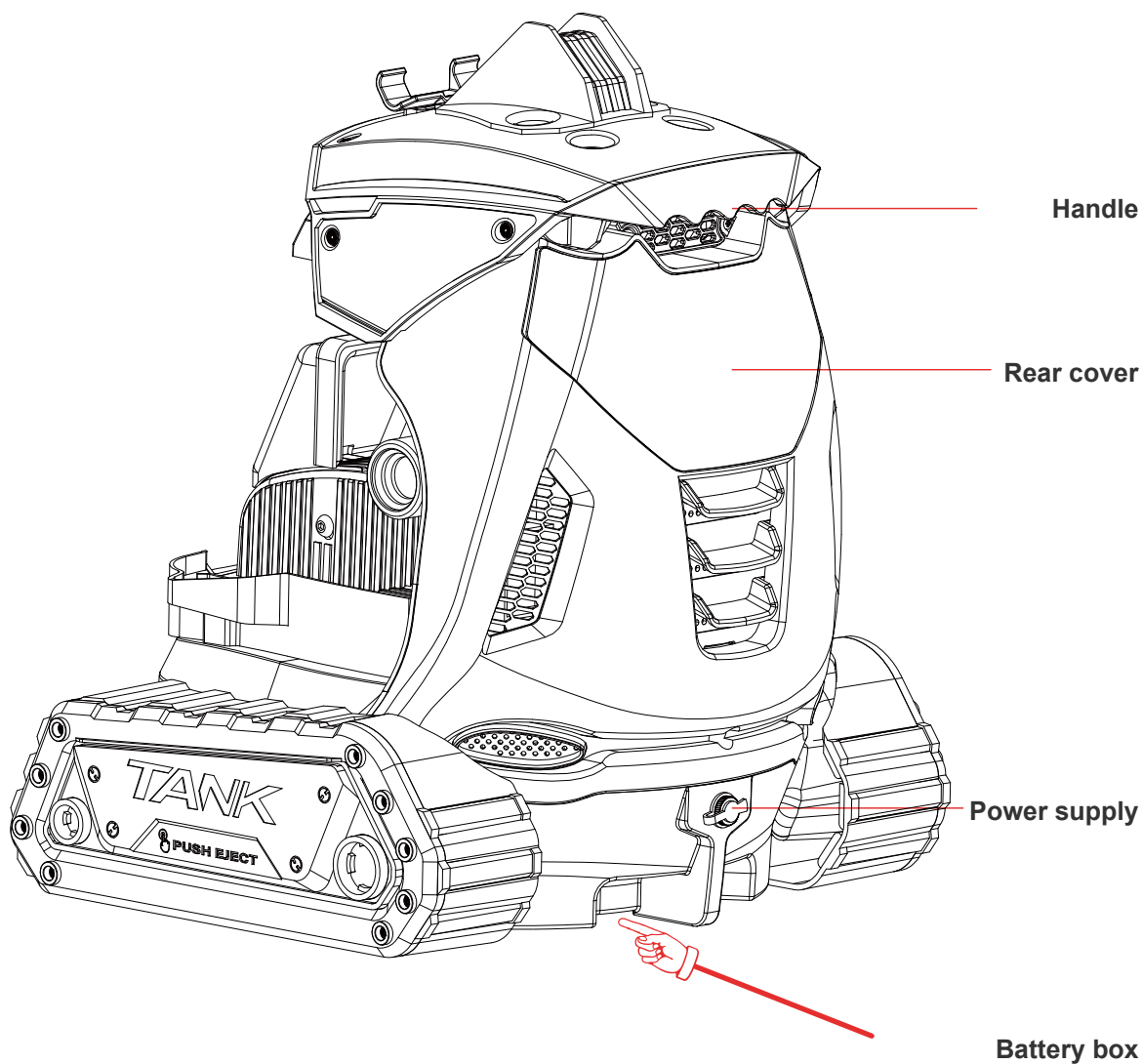


4-2、PART NAME



To reduce bumping damage during transportation, you can install the phone holder and transparent cover yourself after receiving the new machine. The operation is very easy.





The battery is optional — 4000mAh/8000mAh

4-3、Machine Specifications

Adapter Input	100-240V AC 50-60Hz
Power	120W
Machine Input Voltage	24V5A DC
Battery capacity	8000mAh
Principal axis rotation speed	10000rpm
Working temperature	-20℃-50℃
Humidity	10-90%
Net weight	12KG
Gross weight	16KG
Machine size	32cm*27cm*39cm
Package size	43cm*34cm*39cm

4-4、SOFTWARE OVERVIEW

4-4-1 Introduction

- Support self-calibration
- Support key duplication and cutting for vehicle/motorcycle/Residential keys
- Support universal duplication for multiple key types
- Operation on APP through Bluetooth
- Build-in key database

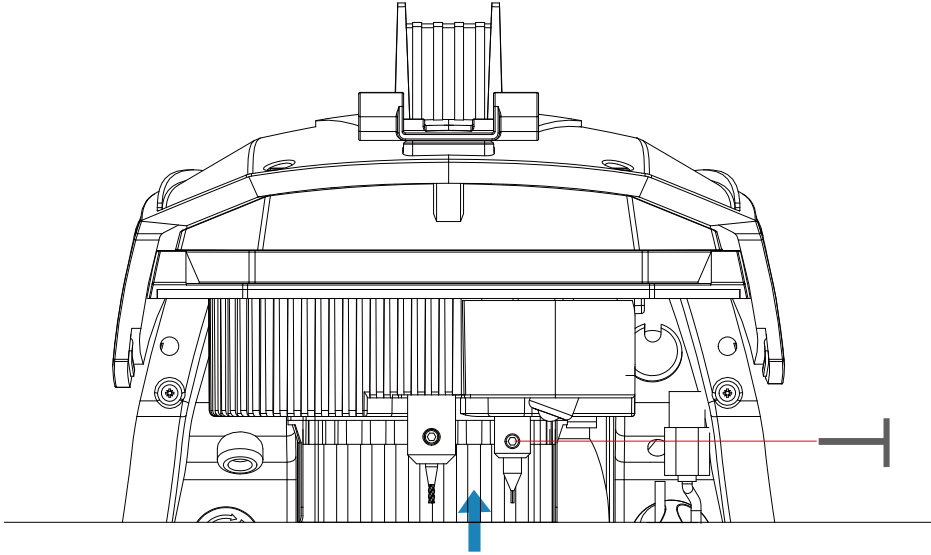
4-4-2 Smart phone operation system

- Android:Android 5.0 and above version
- iOS:iOS12.0 and above version

4-4-3 Software update

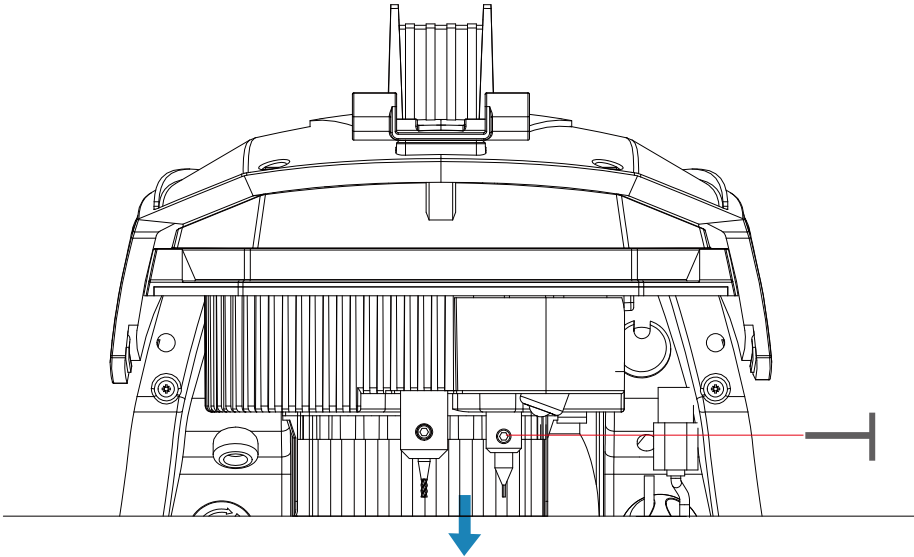
- Online update on APP

5、INSTALLATION INSTRUCTION



5-1 Cutter and probe installation :

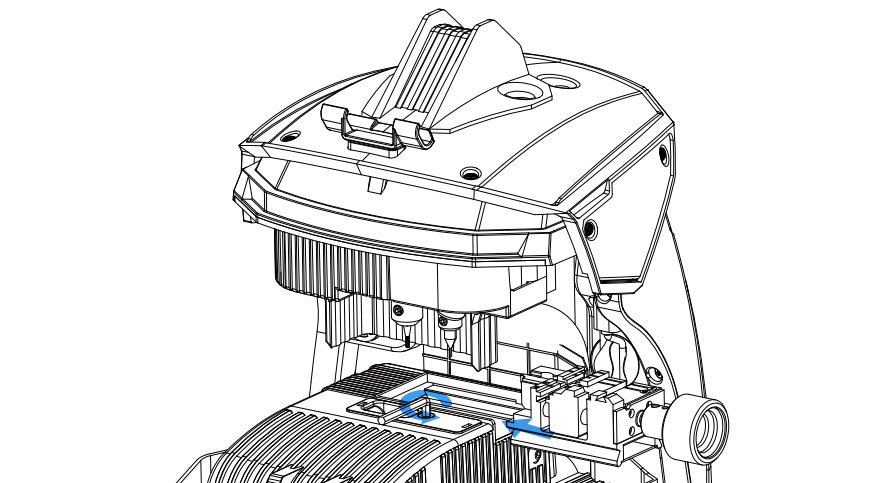
Insert cutter and probe onto the top depend on the arrow, and then use 2.5mm hexagon bar wrench to lock the screw. **Notes:** when pushing both cutter and probe onto the top, probe Height is higher than cutter height.



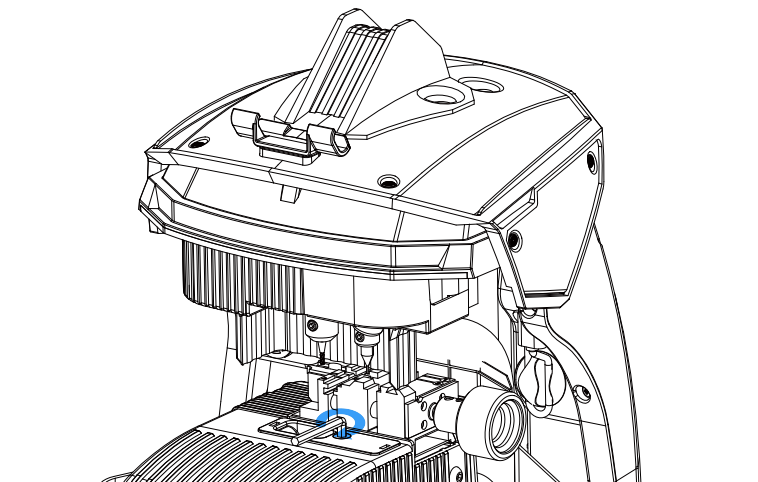
5-2 Cutter and probe uninstallation:

Use 2.5mm hexagon bar wrench to unscrew the locks for cutter and probe until they are loosened off.

5-3、CLAMP INSTALLATION



Picture 1



Picture 2

Installation steps:

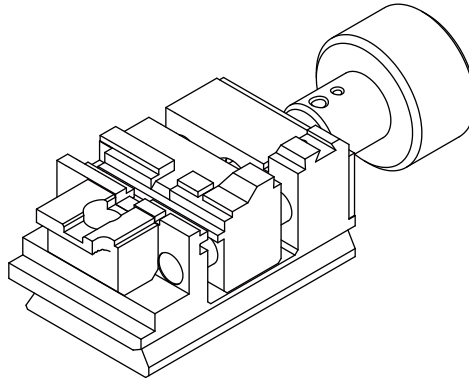
Unscrew the lock for the clamp, insert the clamp along the rail depend on the arrow (picture 1).

and then use 4mm hexagon bar wrench to screw the lock (picture 2).

5-4、PICTURES OF CLAMP

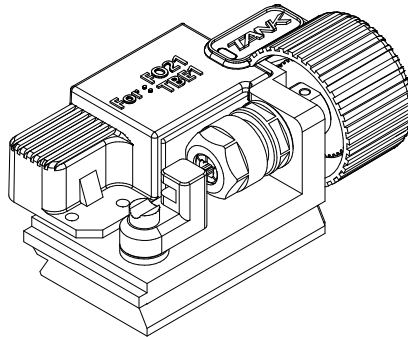
C Clamp

Standard



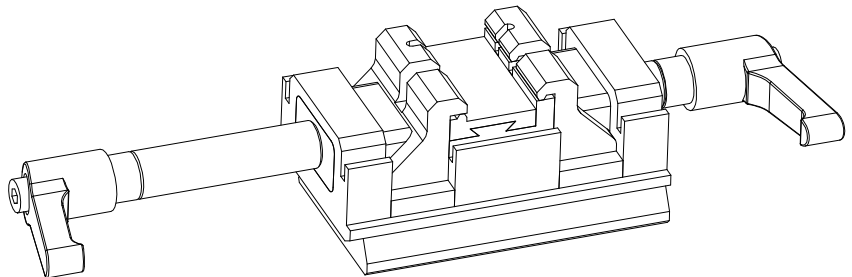
F Clamp

optional



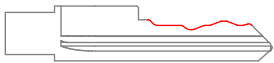
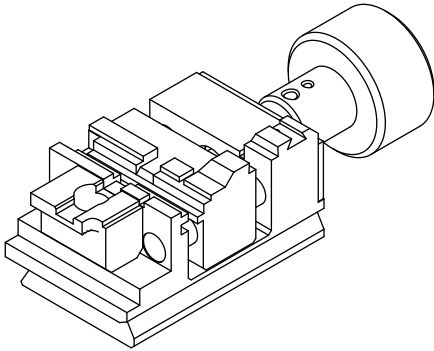
T-2 Clamp

optional



C Clamp

Supporting types:



Standard key



Flat key



Inner groove key 2 tracks



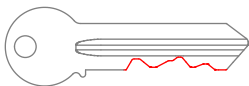
Inner groove key 4 tracks



Sided groove key 2 tracks



Sided groove key 4 tracks



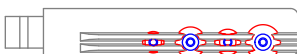
Standard key



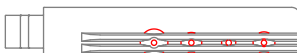
Accrossed key



Snake key



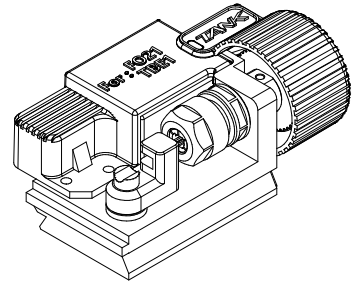
Dual Dimple key



Dimple key

F Clamp

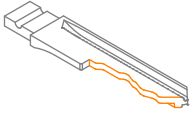
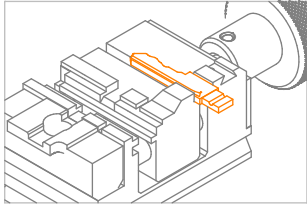
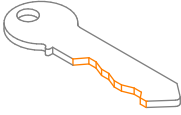
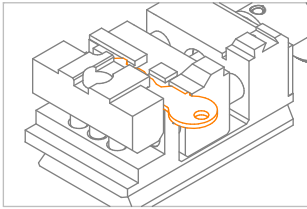
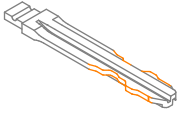
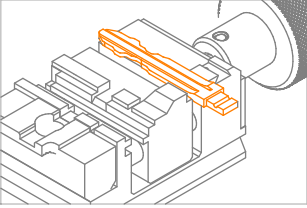
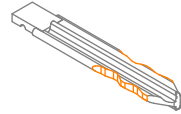
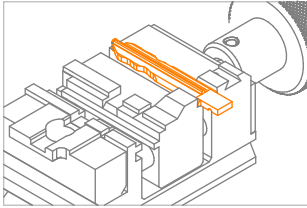
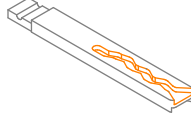
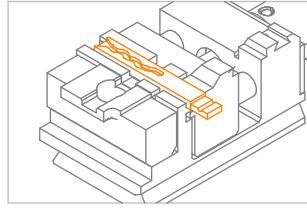
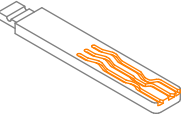
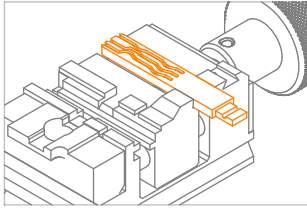
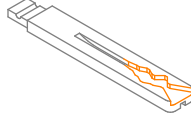
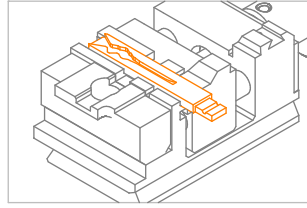
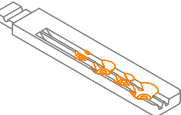
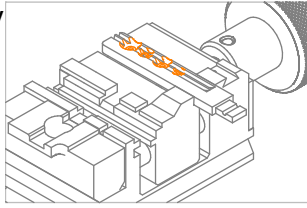
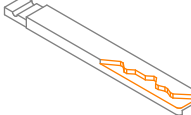
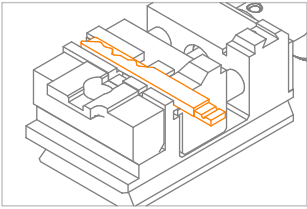
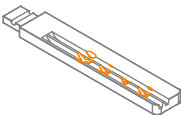
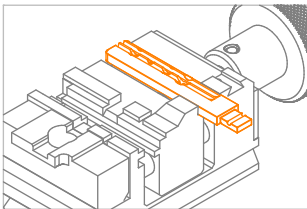
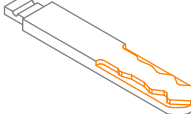
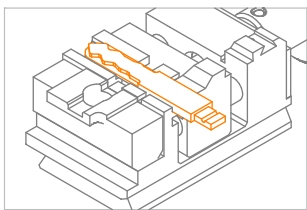
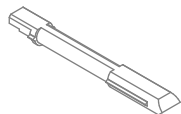
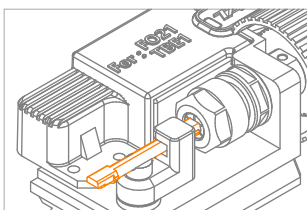
Supporting types:



FO21/TBE1

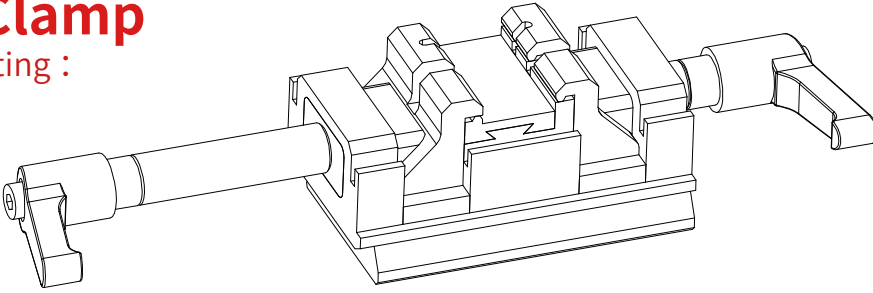


5-5. FIXTURE GUIDE

Key types	Clamping method	Key types	Clamping method
Standard key 		Standard key 	
Flat key 		Accrossed key 	
Inner groove key 2 tracks 		Snake key 	
Inner groove key 4 tracks 		Dual Dimple key 	
Sided groove key 2 tracks 		Dimple key 	
Sided groove key 4 tracks 		FO21/TBE1 	

T-2 Clamp

Supporting :



(For example, these keys below, etc.)

Abus E200



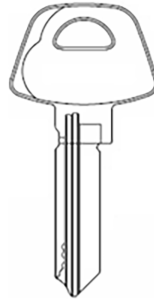
Abus Vitess
1000



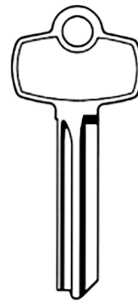
American Lock
Small Pin



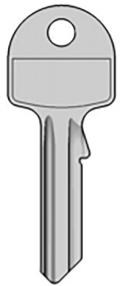
Assa d12
Series 1300



Best SFIC



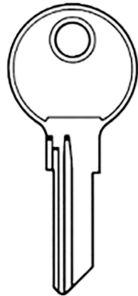
BKS Nuvius



Brisant-E
Series Locks



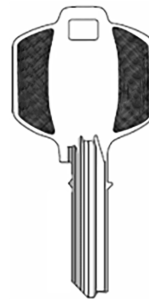
Chicago Fort
SS Disc



Chicago Pin



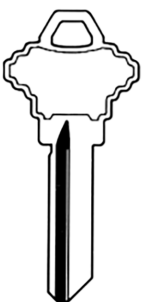
Kaba Peaks



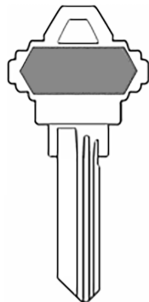
Kwikset Large Pin



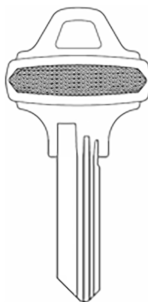
Schlage Large
Pin



Schlage Primus
2000 Plus



Schlage SFIC



Yale Large Pin



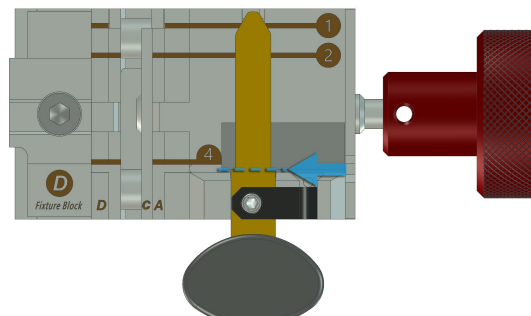
Yale Small Pin



6-1、KEY INSTALLATION——C CLAMP

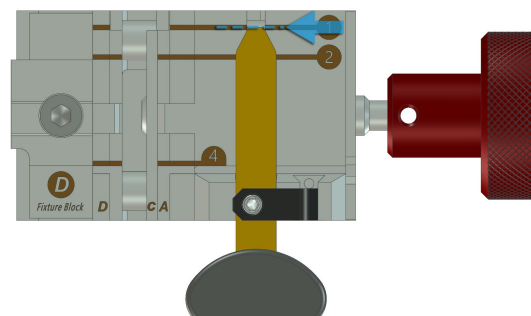
1 Flat key(with shoulder):

Stop the shoulder with stopper(Shown as picture).



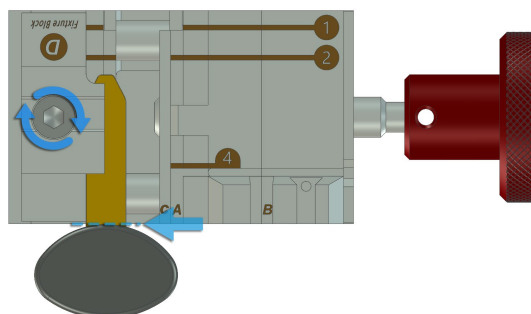
2 Flat key:

Align the key with the 1st line. (Shown as picture) please ignore it if the key is too short to reach the first line.



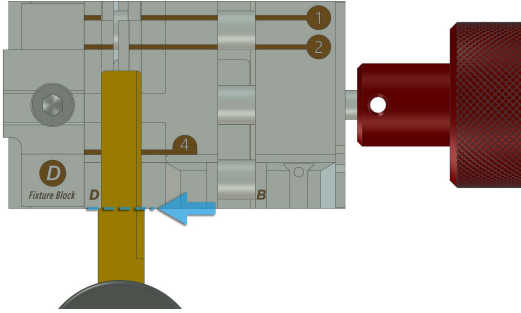
3 Single-Sided Standard Key:

Follow guide pictures to loose the block to fix key, the shoulder should align the edge of clamp.



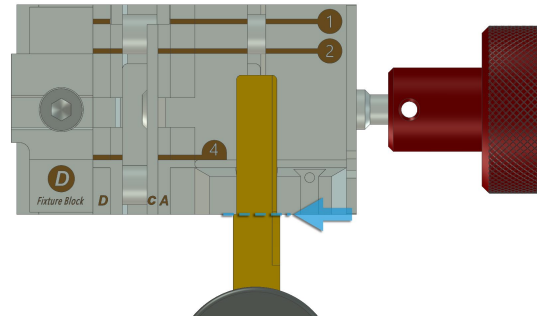
4 Laser key(with shoulder):

Please install the key shoulder against the clamp, such as HU66/SIP22.



5 Special installation:

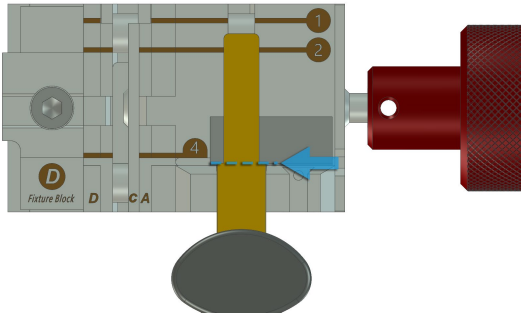
install HU66 on the right, put key shoulder against the clamp.



6 Thin laser key(with shoulder)

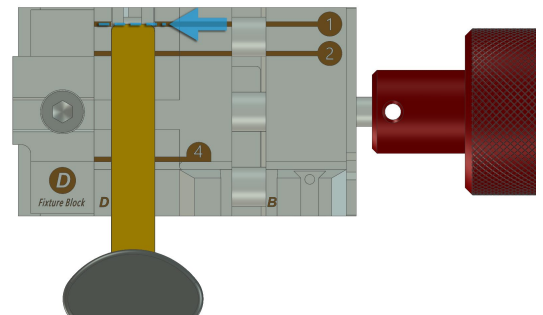
(thickness <2.8mm):

install the key on the right, put key shoulder against the clamp.



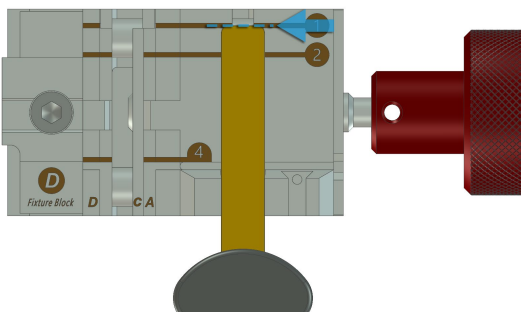
7 Laser key:

please align the key tip with the 1st line, please try the best if the key is too short to reach the 1st line.



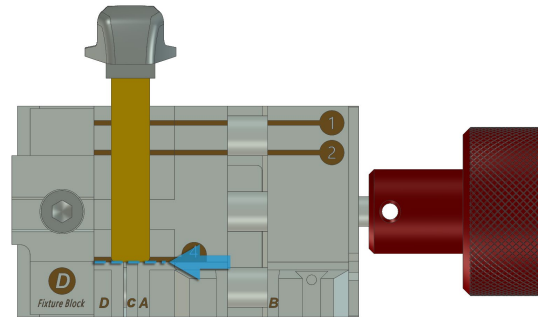
8 Special installation:

if the key has lateral groove or the tip chamfer, please install the key on the right depending on the reminder.



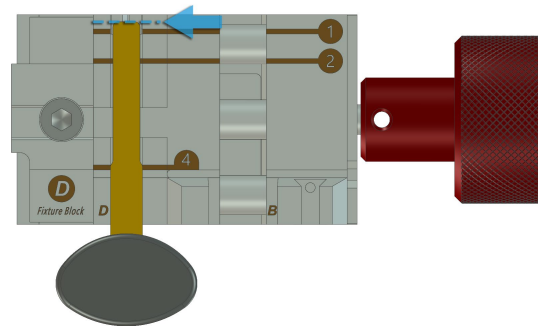
9 Smart key:

please install the key depending on the picture and align the tip with the 4th line.

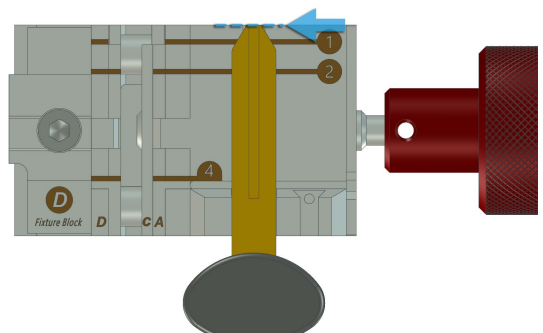


10 HU101 special installation:

The key tip must overpass the 1st line and stay between 1st and 2nd line.

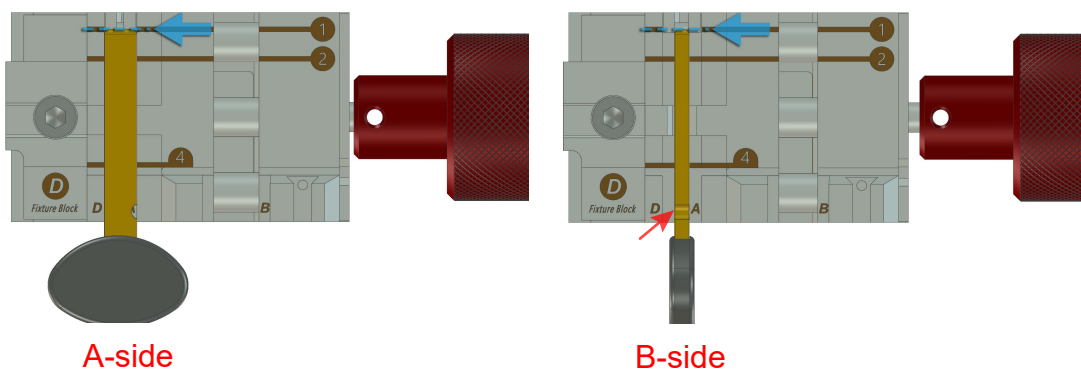


11 The key tip of HON77 must align with the edge of the clamp depending on the picture. It can not be cut if the key is too short to reach it.



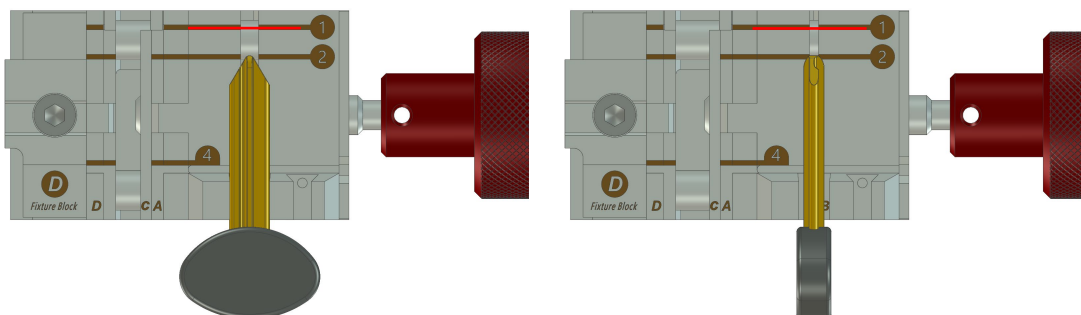
12 HU162T key:

install the key(side A) and align the tip with 1st line. The key has a groove on the side B. please ignore if the key is too short to reach the 1st line.



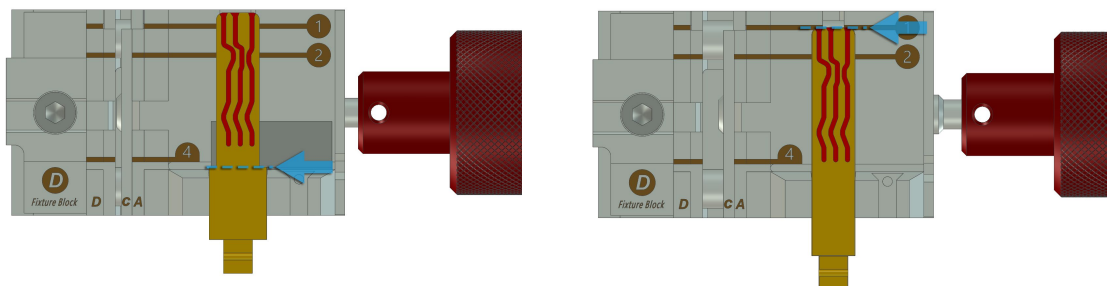
13 Accrossed key:

Please align the tip with the 2nd line.



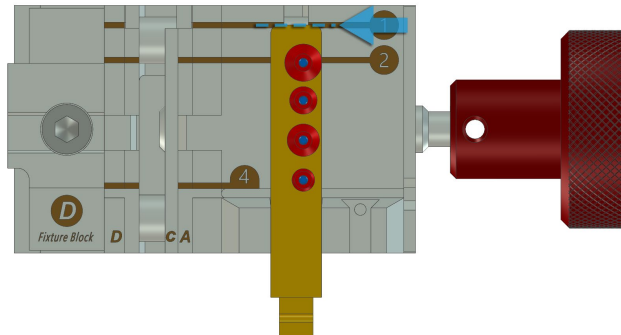
14 Snake key:

If the key with shoulder, please use the stopper to stop the shoulder, if not, please align the tip with the 1st line (shown as picture).



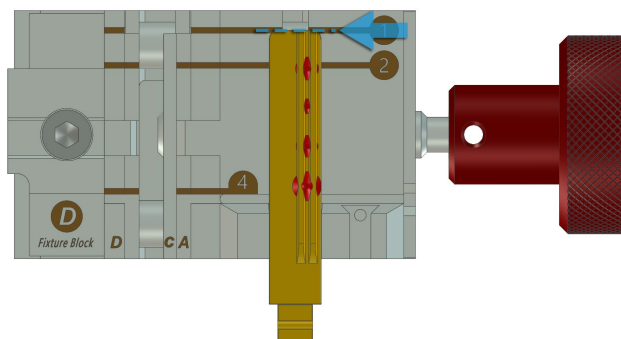
15 Dual dimple key:

Please align the tip with the 1st line (shown as picture).



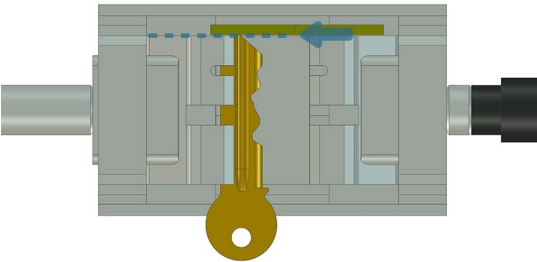
16 Dimple key:

Please align the tip with the 1st line (shown as picture).

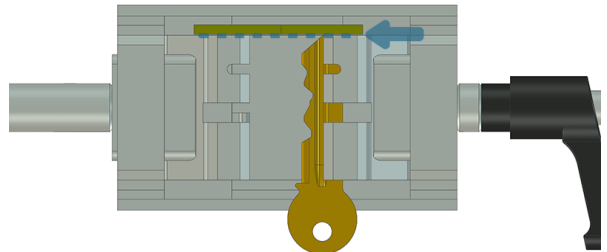


6-2. KEY INSTALLATION—T-2 CLAMP

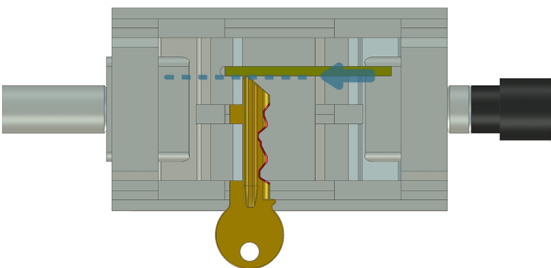
- 17** **Tip alignment key:**
Fix the key on the left, stop the tip of key with stopper(shown as picture).



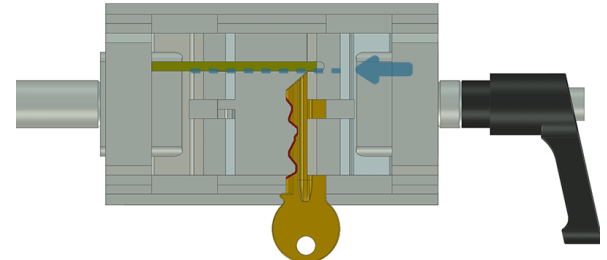
- 18** **Tip alignment key:**
Fix the key on the right, stop the tip of key with stopper(shown as picture).



- 19** **Tip alignment key:**
Fix the key on the left, stop the tip of key with stopper(shown as picture).



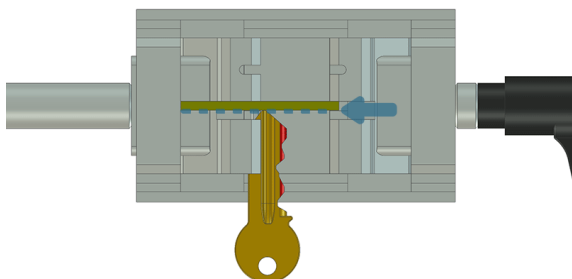
- 20** **Tip alignment key:**
Fix the key on the right, stop the tip of key with stopper(shown as picture).



21

Tip alignment key:

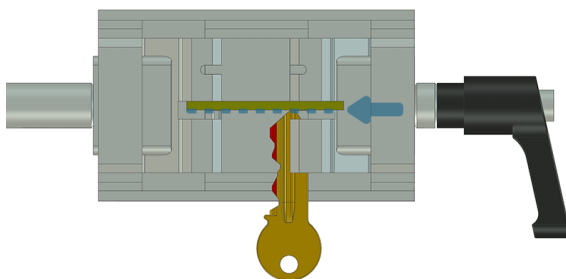
Fix the key on the left, stop the tip of key with stopper (shown as picture).



22

Tip alignment key:

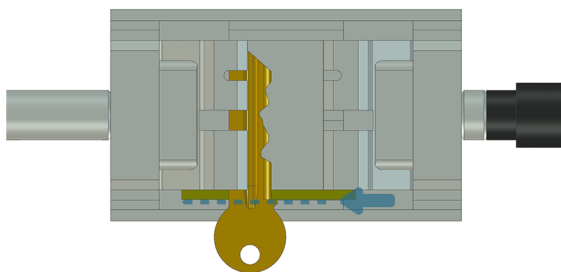
Fix the key on the right, stop the tip of key with stopper (shown as picture).



23

Shoulder alignment key:

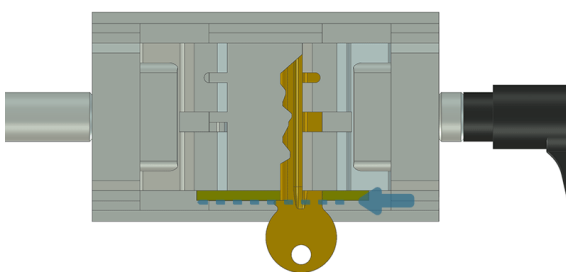
Fix the key on the left, stop the shoulder of key with stopper (shown as picture).



24

Shoulder alignment key:

Fix the key on the right, stop the shoulder of key with stopper (shown as picture).

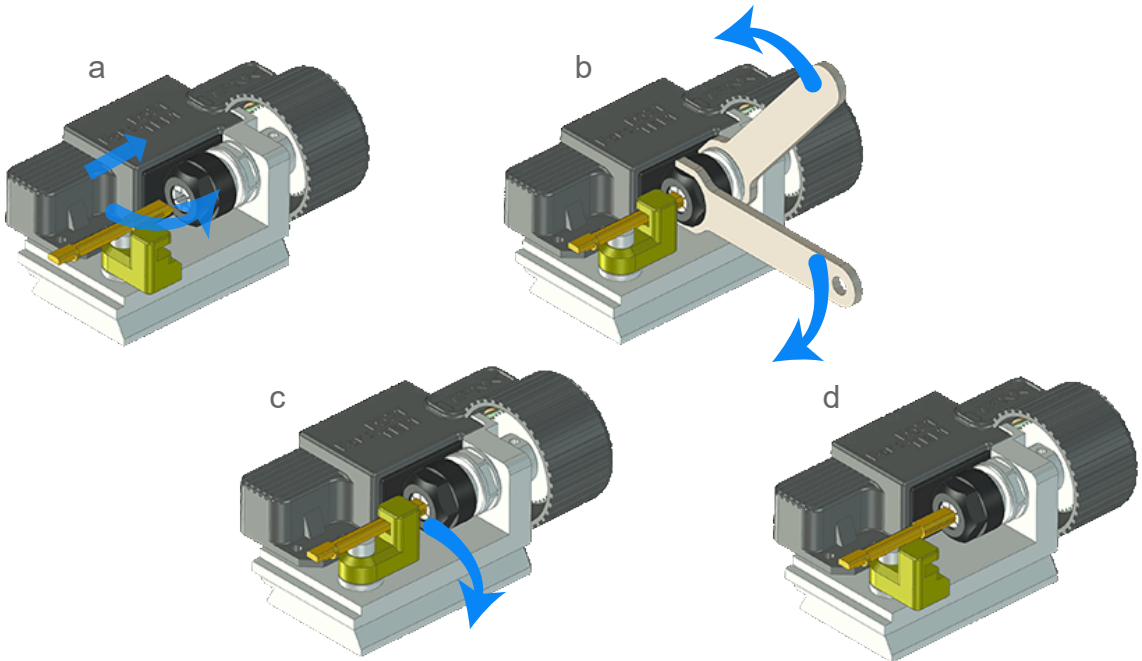


6-3、KEY INSTALLATION——FO21 CLAMP

25

FO21/TBE1:

- 1.Please insert the key till the end and use the small tool to keep the key balance.
- 2.Tighten the nut with a wrench;
- 3.Rotate the limit block away from the key;
- 4.Clamping is complete.



Please follow guide picture to fix the key:

The key has to align the tip with the 1st line(if the key is not long enough,it may not reach the 1st line,the machine can look for the tip automatically.If the key with shoulder,it has to align the shoulder with the 4th line.Please use the stopper to stop the shoulder.But Hu66 & SIP22 has to use shoulder to against the clamp (depending on guide picture),all flat key has to be fixed on the right.

Special installation:

- 1.HU101 has to overpass the 1st line,HON77 has to align with the edge of the clamp depending on the picture.
- 2.If selecting key duplication,some of laser keys should be installed on the right(dependent on guide picture),VA2 should be installed depending on guide picture.
- 3.Some of smart keys should be installed on the other side and select 'the 2nd side' (depending on guide picture).

7. OPERATION INSTRUCTIONS ON APP

7-1、How to download the Tank APP?

Scan QR code

App Store

Search ' MagicTank' in App Store for iPhone .

MagicTank

Google Play

Search ' MagicTank'on Google Play.

MagicTank

7-2、How to sign up ?

Step 1:
Please register.

Step 2:
Please sign up via phone number.

Welcome **Login**

Tokens:--

Post zone Video sharing Store

Fault elimination Tutorial Locksmith share

key data Apply for developing About us

User Search tokens Service **Setting**

Login

User:
Please input user name.

Password:
Please input password.

Forget password

Automatic register ☒

Login

Sign up

Settings

GENERAL SETTINGS

Language Home page Voice settig

SYSTEM TOOLS

Check network Clear Cache 49.65 MB

FEATURE SWITCHES

Keep the screen on Voice Assistant

ABOUT

App Version
251_24 (CN)

Exit APP

7-3、How to check the APP version?

Go to the first screen of the APP home page
-- Settings -- APP Version

7-4、Bluetooth connection (TANK Homepage APP Introduction)

Negative One Screen

10:24
Welcome to Magicstar.
Login

Language
Setting
About us
Privacy Agreement

10:23

TANK

Main Functions

Key database Cut by photo Key blank database

All key lost One-step duplication Universal key duplicate

Generate key blank DIY key 2 in 1 decoder

Update center History My favorites Device Information

How does Bluetooth connect to the machine?

Step 1:
Turn on the Bluetooth switch button.

Step 2:
Click "Search again"

Step 3:
Click click series number.

Step 4:
Bluetooth connected successfully.

APP Version
Key Data Version
Firmware Version

10:24

TANK

Magic Tank

Type	Current	Server
App	250	250
Key data	2026061101	2026061101
Firmware	Connect the device by bluetooth.	

Cutting set

Cutting set
Calibration information
Battery info

Machine calibration

Calibration
Change cutter & probe
Cutting calibration

Machine test

Motor test
Conductive test

11:00

TANK

Bluetooth

Connect automatically.

Searching device:

Search again

MT-79B4E4A0 Click to connect

MT-32N Click to connect

MT-ADD7A18B Click to connect

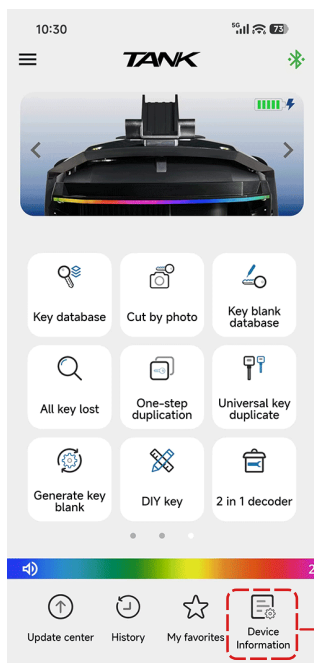
11:01

TANK

11:01

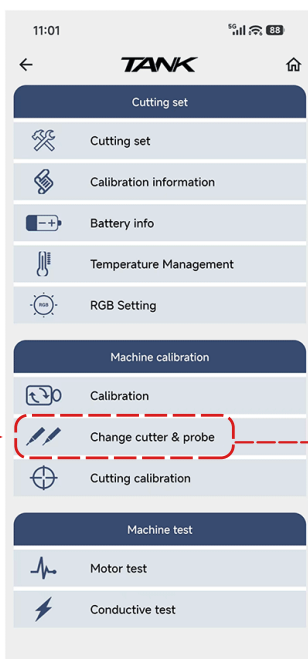
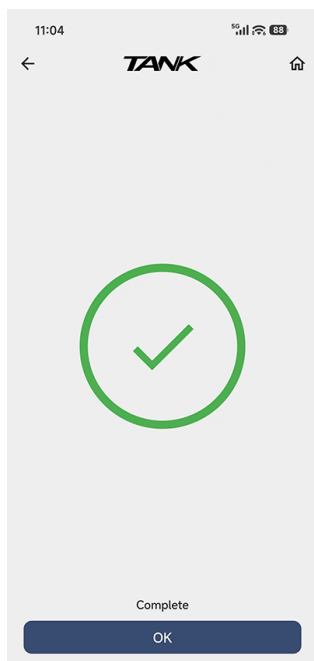
TANK

7-5. Height level adjustmen. (*Required calibration after receiving a new machine.)



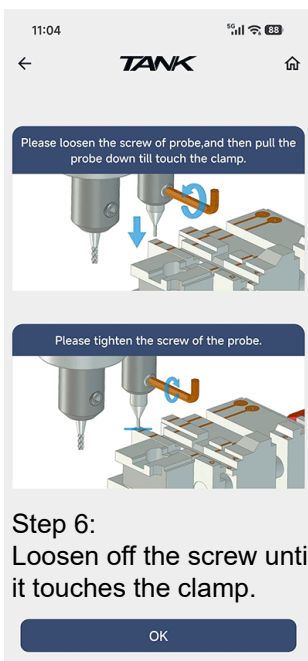
Step 1:
Enter TANK interface,
click“Device Information”.

Step 7:
Installation and then
click“OK”.

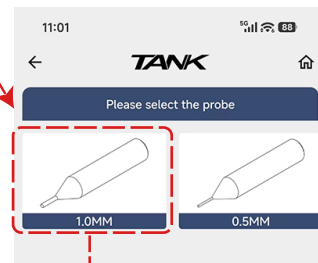
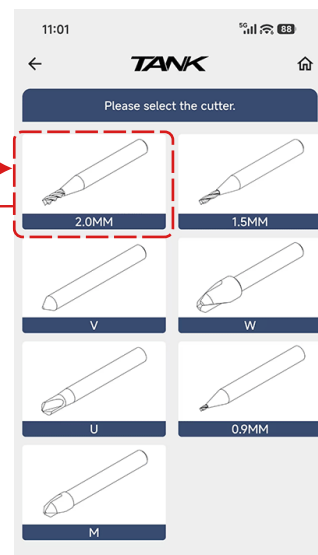


Step 2:
Click ‘change cutter & probe’.

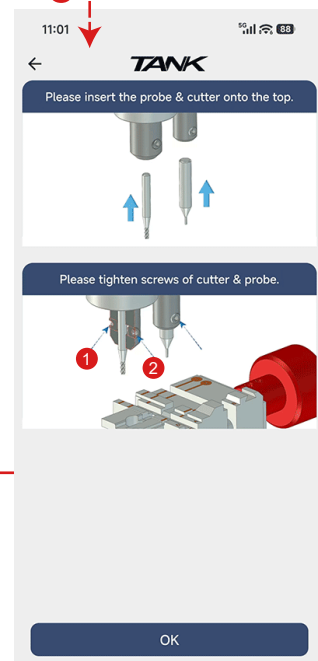
Step 3 and 4:
Select a 2.0MM standard milling
cutter and a 1.0MM guide pin.



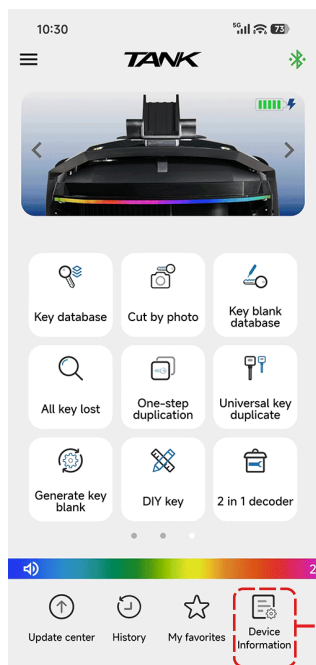
Step 6:
Loosen off the screw until
it touches the clamp.



Step 5:
click“OK”.



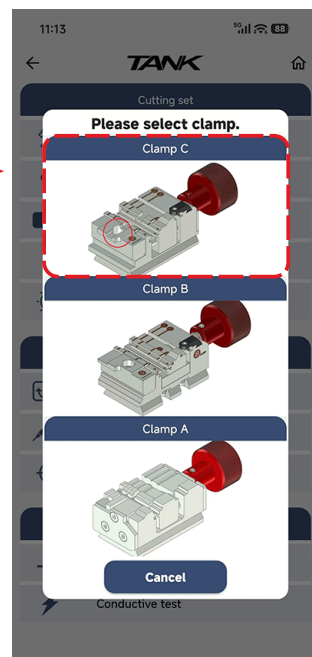
7-6 、Clamp calibration (*Required calibration after receiving a new machine.)



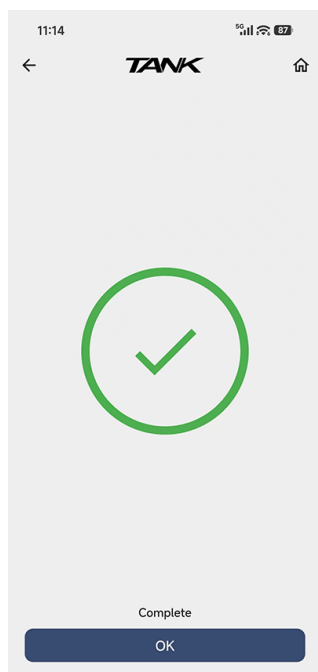
Step 1:
Enter TANK interface,
click“Device Information”.



Step 2:
Click“Calibration”.

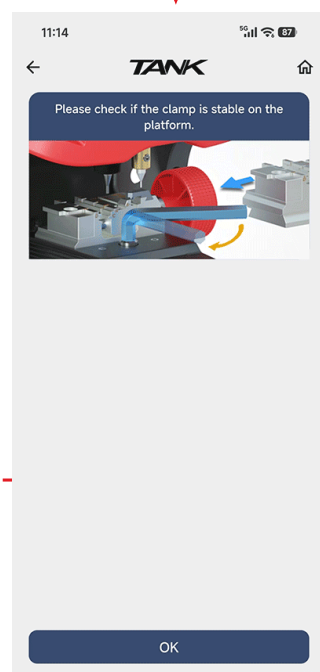


Step3:
Select clamp depend
on your current clamp”.

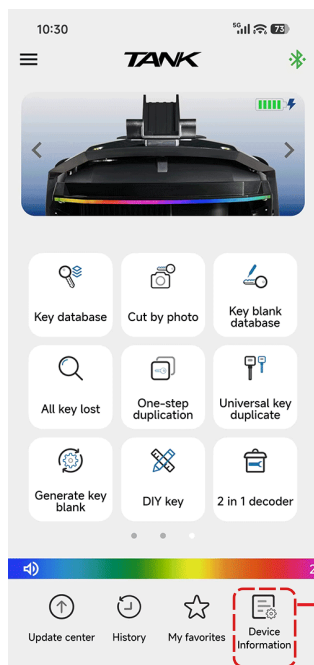


Step4:
Please check the
clamps for looseness.

Step5:
click“OK”.



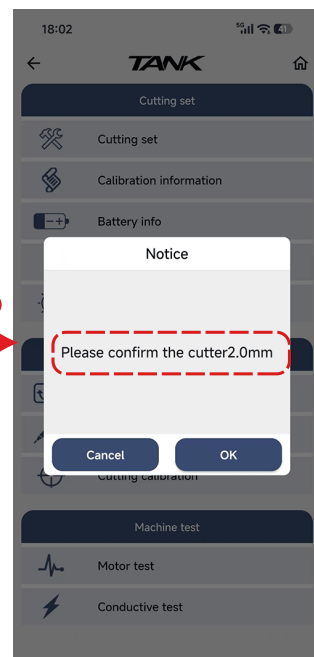
7-6. Cutting calibration (*Required calibration after receiving a new machine.)



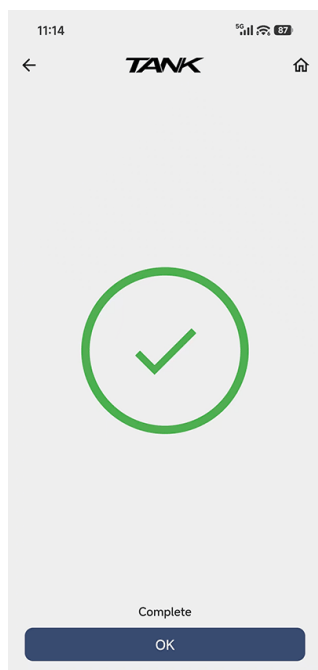
Step 1:
Enter TANK interface,
click“Device Information”.



Step 2:
Click“Cutting calibration”.



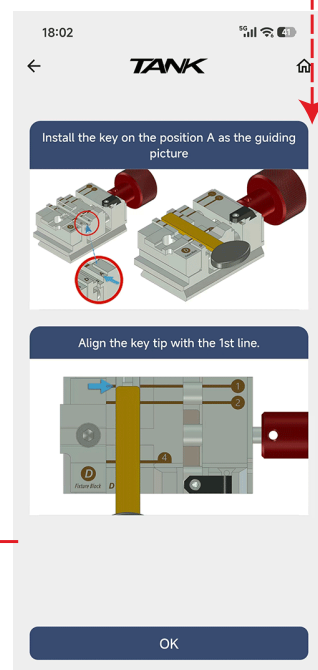
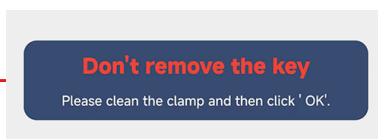
Step 3:
Please confirm the
cutter 2.0mm --ok.



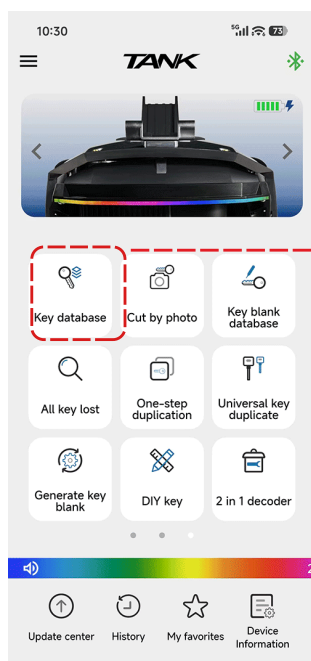
Step 4:
Install HON66 key blank
(25#) on the left (pay
attention, the tip has to be
aligned with the first line).

Step 5:
Clean the particles
and click “OK”

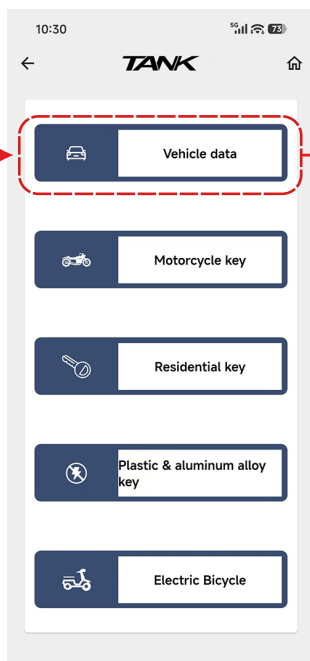
Step 6:
click“OK”.



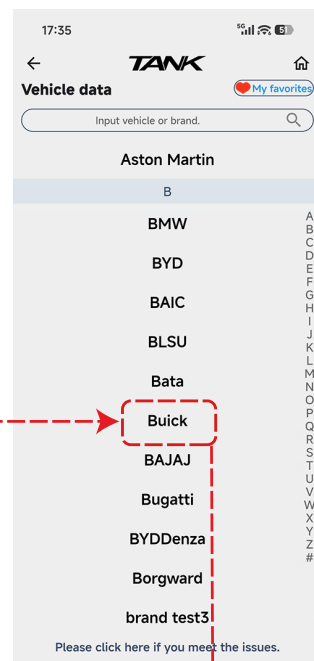
8. How to use 'Key database' ? (Buick as sample)



Step 1:
Click 'Key database'.

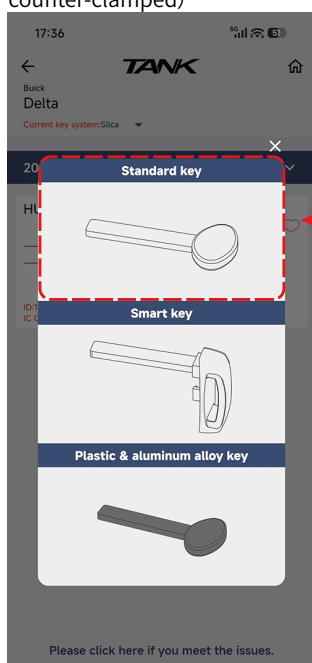


Step 2:
Click 'vehicle data'

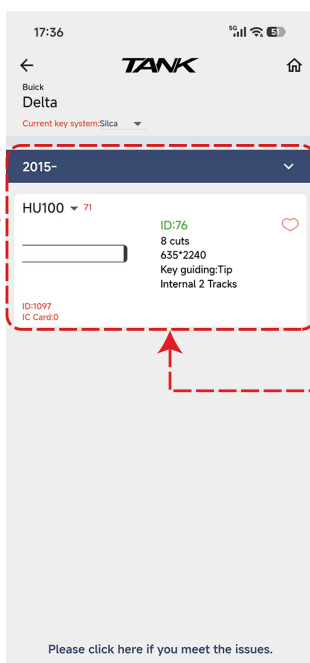


Step 3:
Select Model - Buick

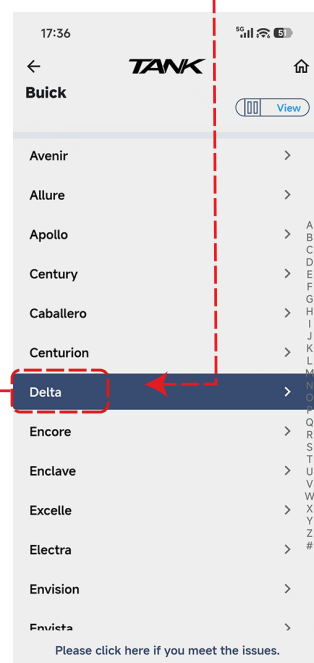
Step 6:
Select key type.
(See if the key needs to be counter-clamped)

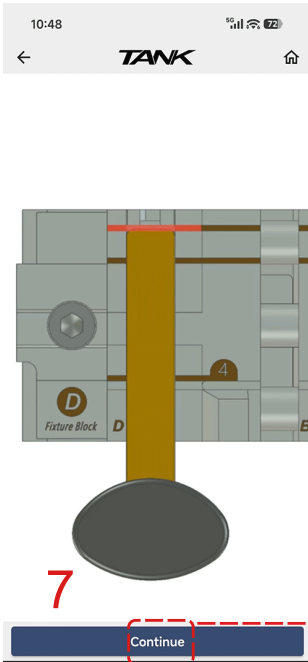


Step 5:
Selection process
HU100.

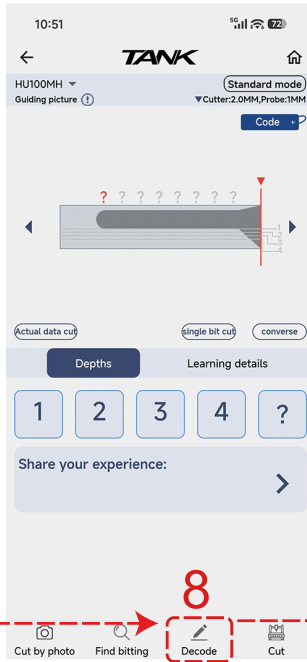


Step 4:
Choose a car - Delta



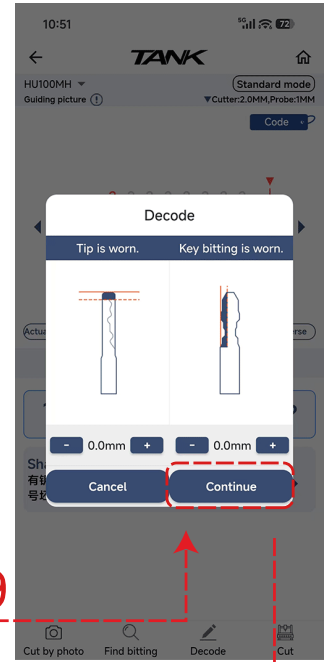


Step 7:
Install the key on the left
(pay attention, please align
the tip with the 1st line).

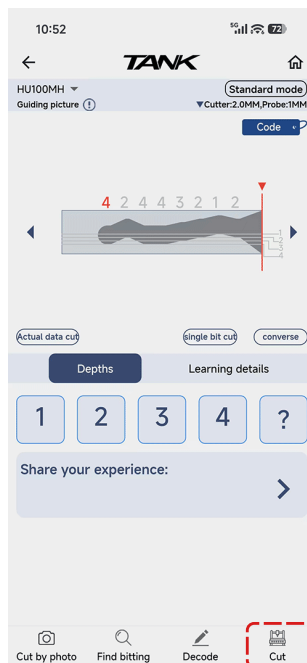


Step 8:
Click "Decode".

Step 10:
Click "cut".

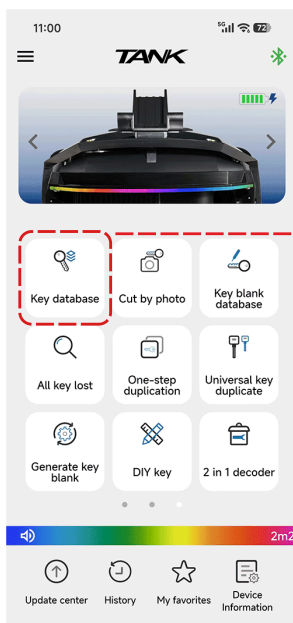


Step 9:
Click "Continue"

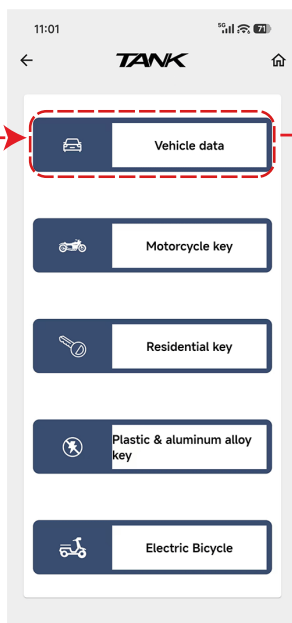


10

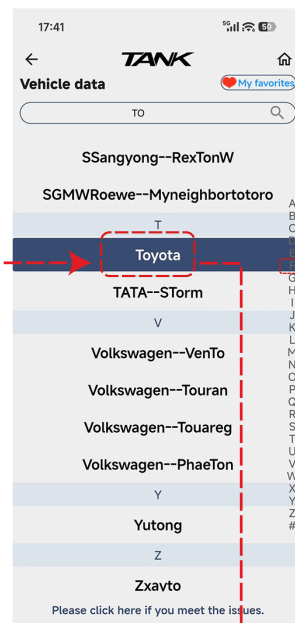
9、How to use 'Find biting' ? (Toyota as sample)



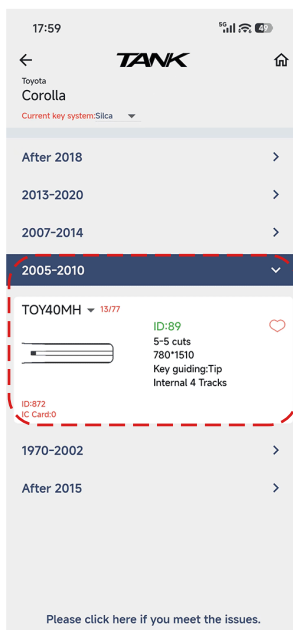
Step 1:
Enter TANK APP
and click 'Key database'.



Step 2:
click 'Vehicle data'.

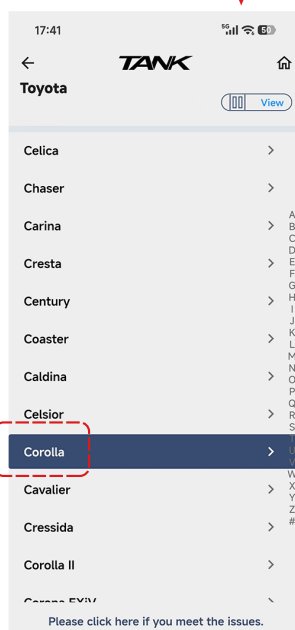


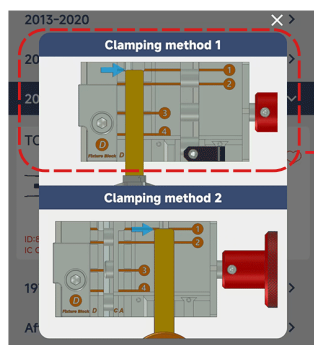
Step 3:
Select Model - Toyota.



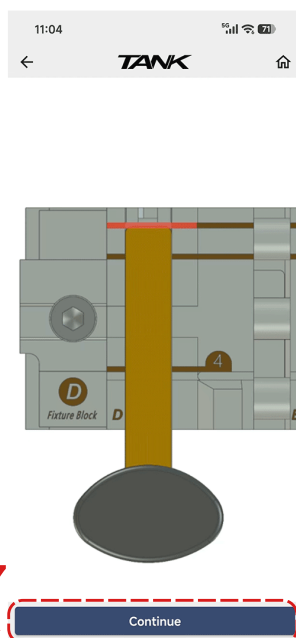
Step 4:
Choose a car series-Corolla.

Step 5:
Select year 2005-2010 -ID89.





Step 6:
Select the clamping method.

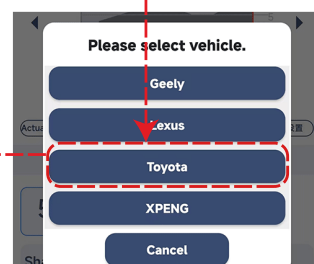
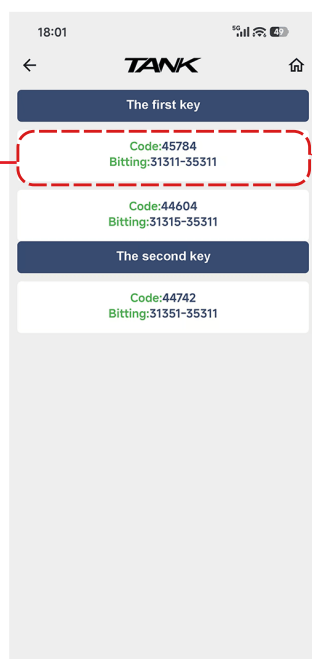


Step 7:
Clamp the key according to the instruction diagram.



Step 8:
Enter the known tooth numbers and click "Find biting."

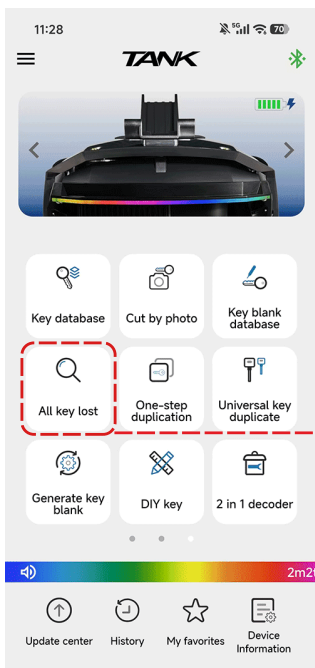
Step 11:
Look, the tooth numbers have appeared. You can continue with the following operations according to your needs.



Step 9:
Select the vehicle model "Toyota."

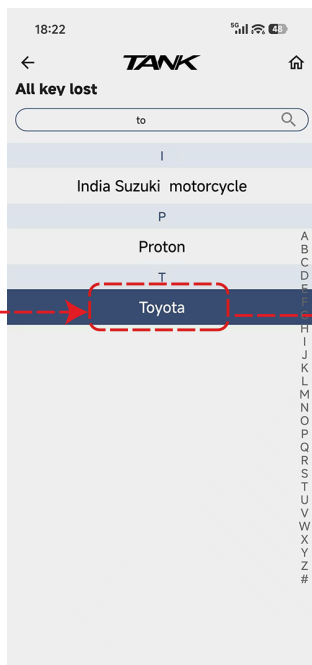
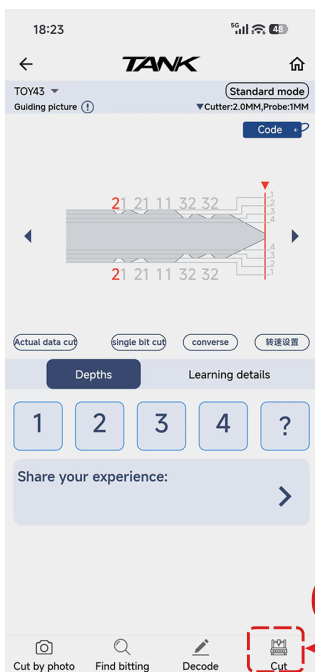
Step 10:
Select a key and try them one by one.

10、How to use all key lost (Toyota as sample)



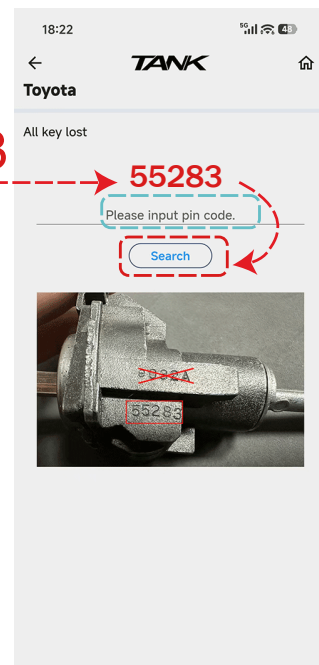
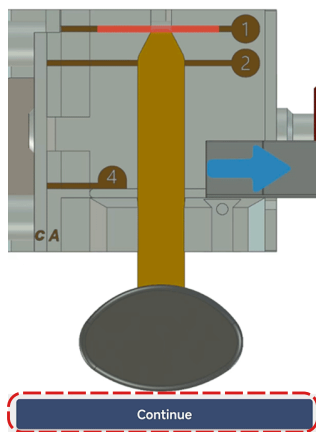
Step 1:
Enter TANK APP
and click 'All key lost'.

Step 6:
Click "cut".



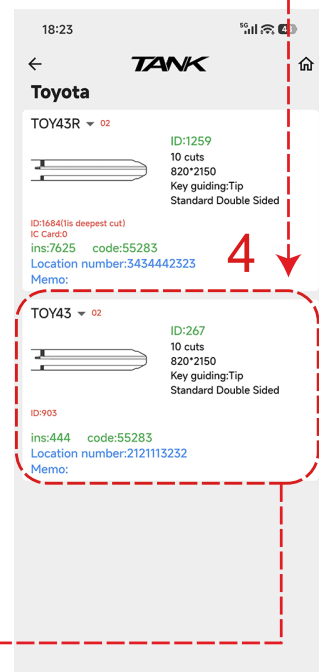
Step 2:
Select Model - Toyota

Step 5:
Install the key on the right
(pay attention, please align
the tip with the 1st line).

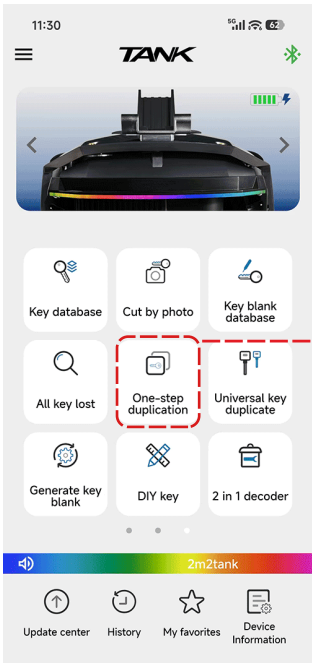


Step 3:
Input 'lock number'-
Search.

Step 4:
Selection process.

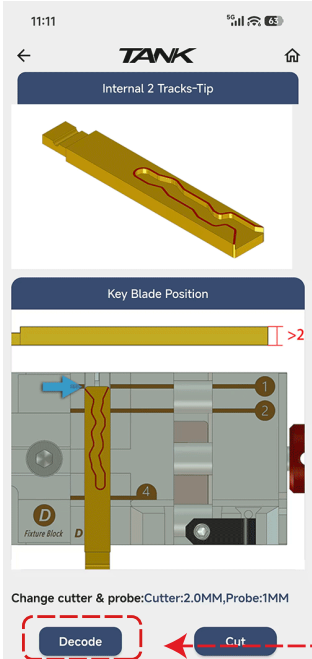


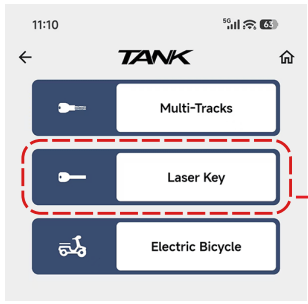
11、How to make a key with "One step duplication"?



Step 1:
If we want to duplicate an Laser key, click the "One-step duplication" .

Step 7:
click 'Decode'.





Step 2:
Select "Laser key".



Inner groove key 2 tracks

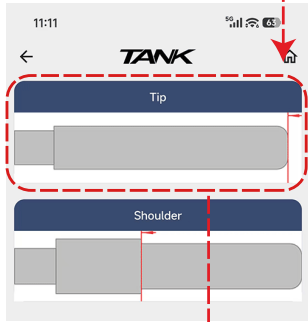
Step 6:
After cleaning the key - next step.



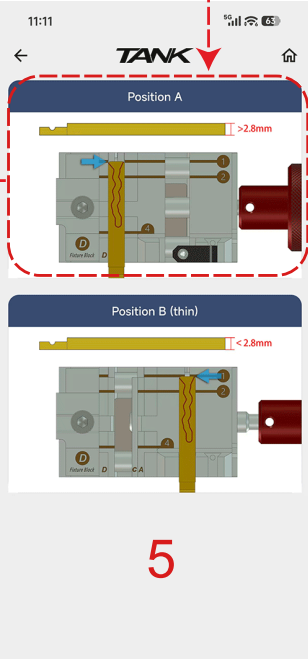


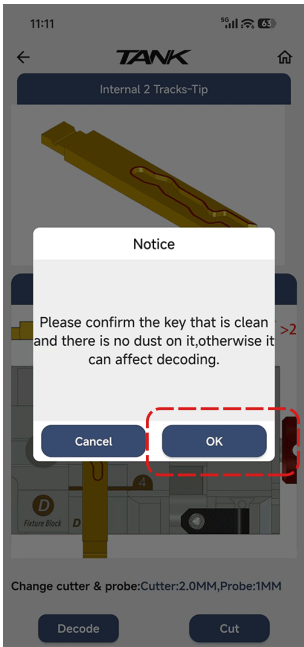
Step 3:
Select key type.

Step 4:
Select "tip".

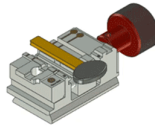


Step 5:
Please select depending on the thickness of the key.

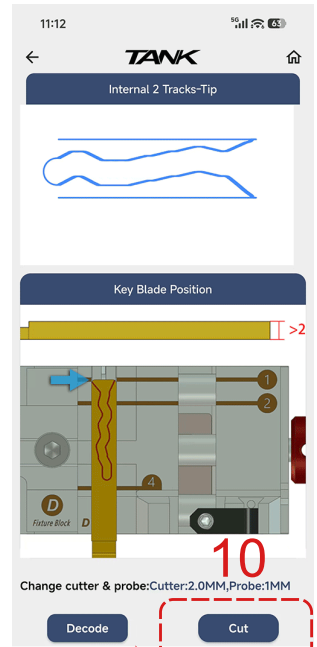




Step 8:
click 'ok'.



Step 9:
Fix the original key on the fixture.



Step 10:
click "Cut."

Step 14:
Clamp the key blank
according to the instruction
animation. After installation,
click "Continue" to cut out
the key model first.

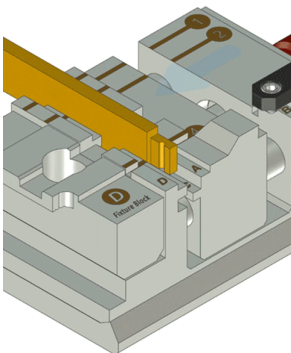
Step 13:
Select "Cutting for the
first time".

Step 12:
Select "Key blank S#."

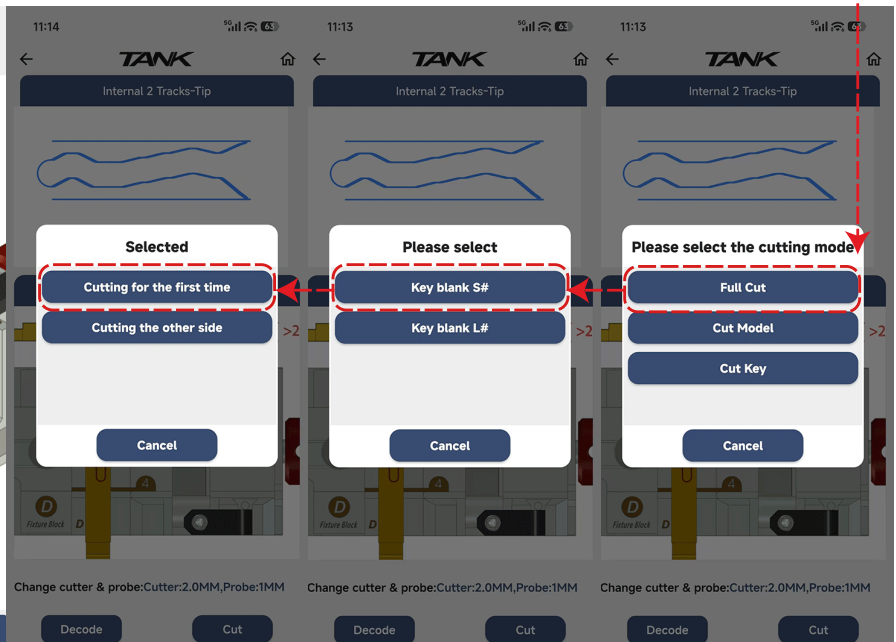
Step 11:
Select "Full Cut."



14

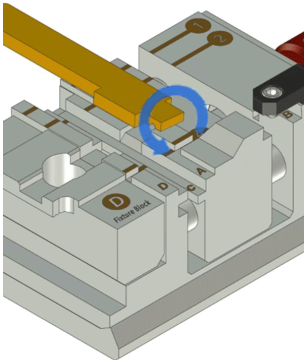


Continue

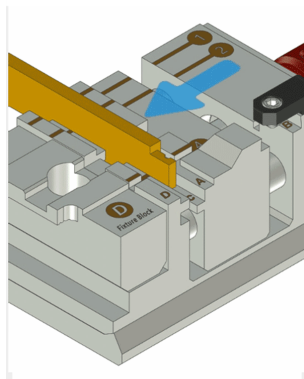




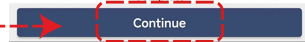
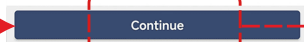
15



16



17



Step 15:
Flip to the other side.

Step 16:
Cut the other side.

Step 17:
After the key blank is cut, click Continue.

21

Step 21:
Select "cut key."

20

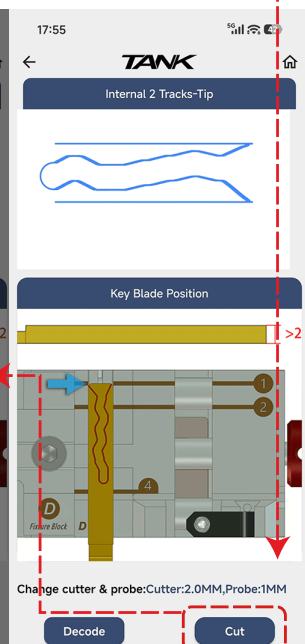
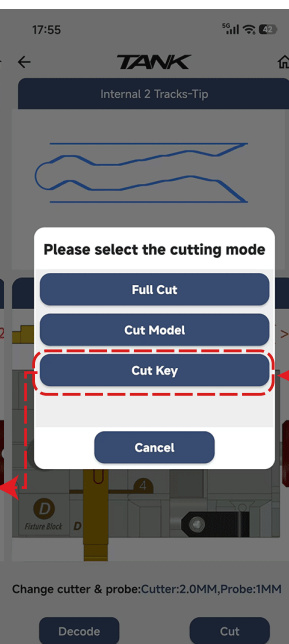
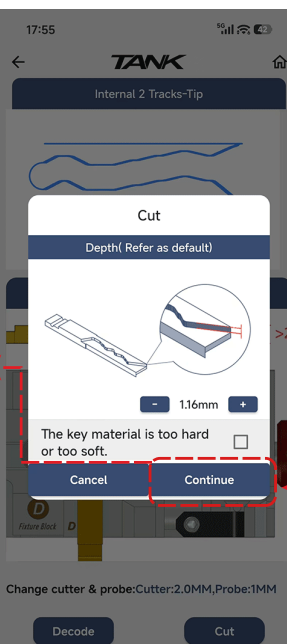
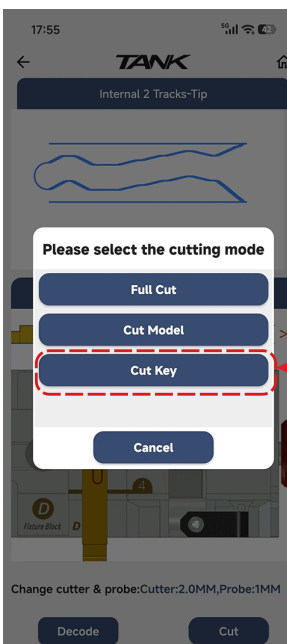
Step 20:
Select "Continue."

19

Step 19:
Select "cut key."

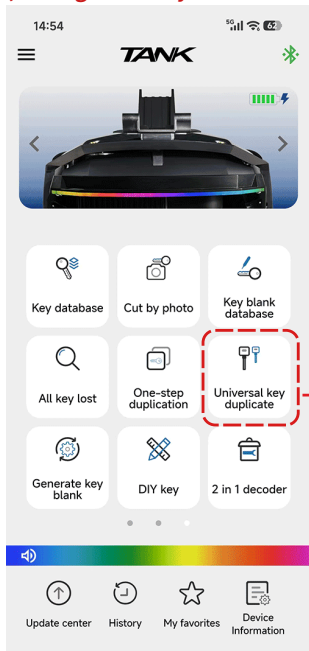
18

Step 18:
Clamp the key according to the schematic diagram, and click "Cut".

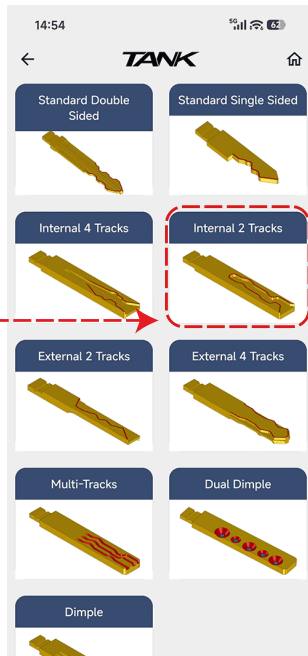


12. How to use 'universal key duplicate' ?

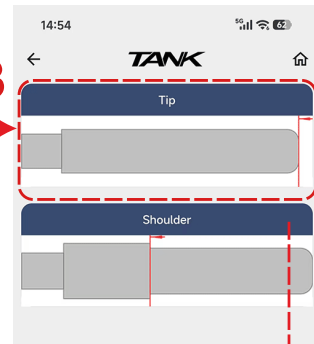
(Inner groove key 2 tracks as sample)



Step 1:
click 'Universal key duplicate'.

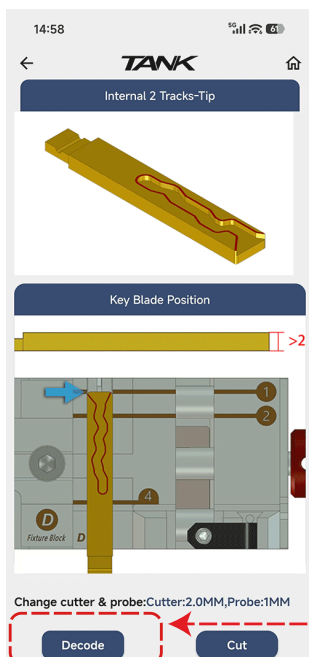


Step 2:
Select key type.



Step 3:
Select the alignment method.

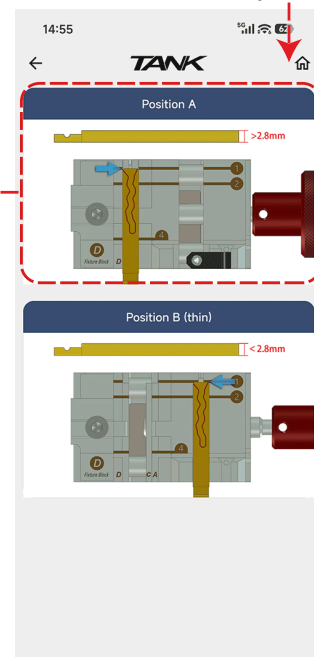
Step 6:
click 'Decode'.

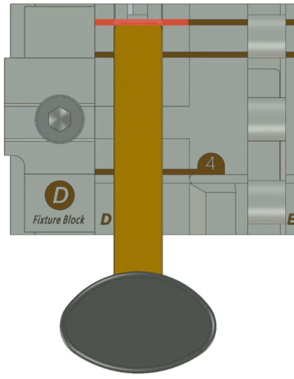


Step 5:
After cleaning the key
- next step.

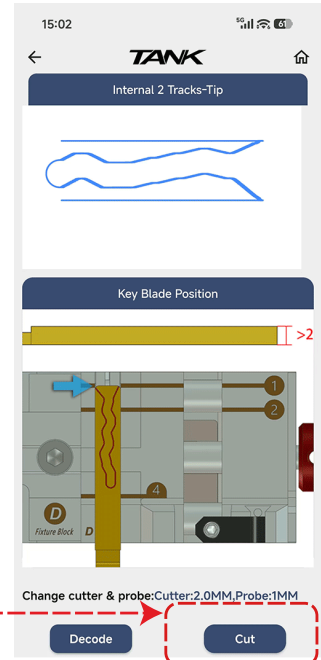


Step 4:
Please select
depending on the
thickness of the key.



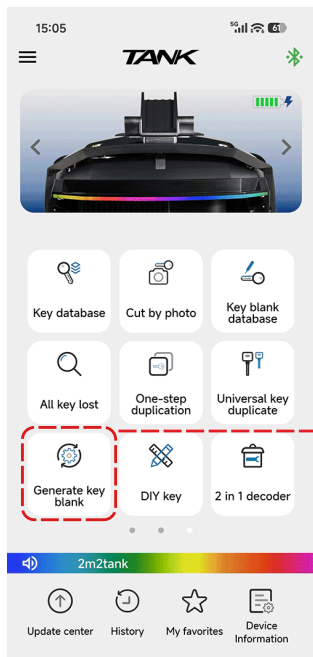


Step 7:
Install the key on the left
(pay attention, please align
the tip with the 1st line).

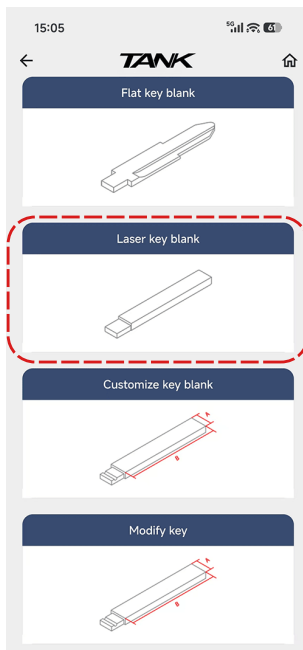


Step 8: cut.

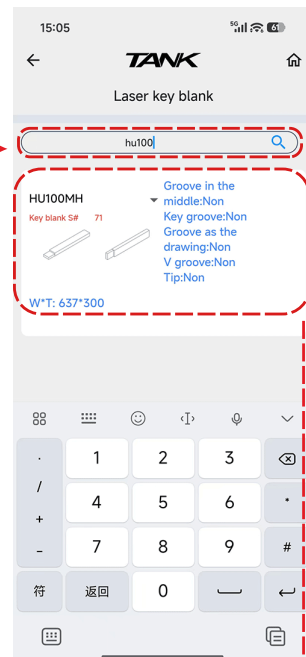
13. How to use generate key type? 13-1. Generate key type (HU100 as sample)



Step 1:
Click 'generate key blank'.

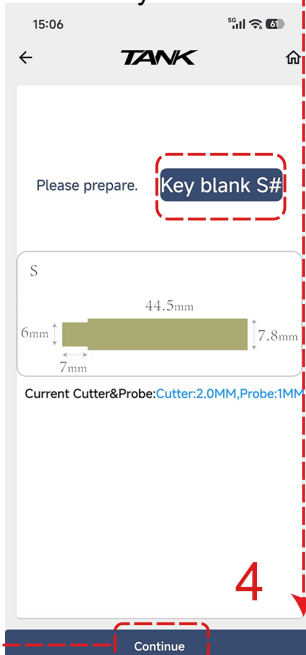


Step 2:
Select 'Laser key blank'.



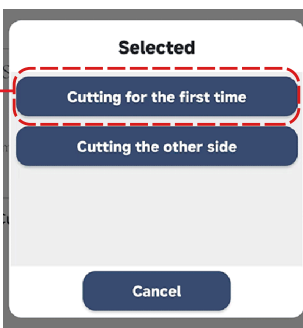
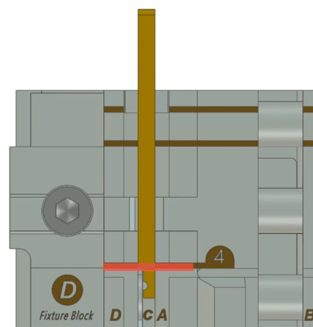
Step 3:
Enter the key you want to make HU100 and select the programme.

Step 4:
Select 'key blank S#'.

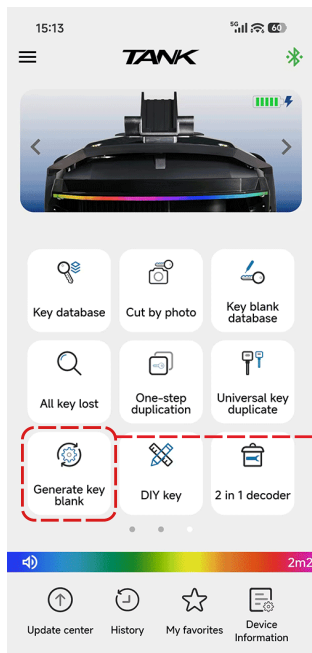


Step 5:
cutting for the first time.

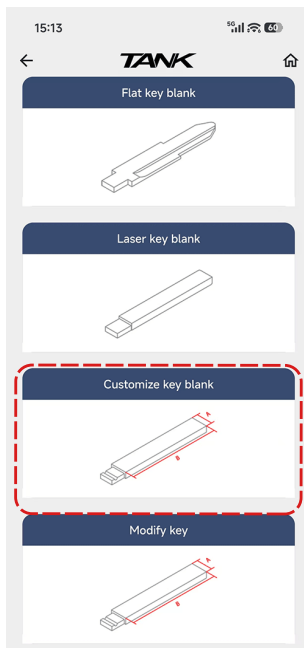
Step 6:
Place the key in the C-clamp block and align the end of the key with wire #4 - Continue.



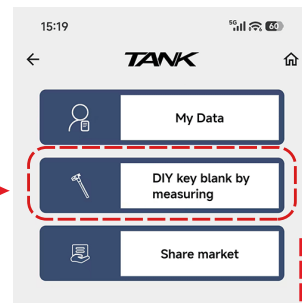
13-2. How to DIY key blank? (HU66 as sample)



Step 1:
Click 'generate key blank'.



Step 2:
Select 'Customize key blank'.

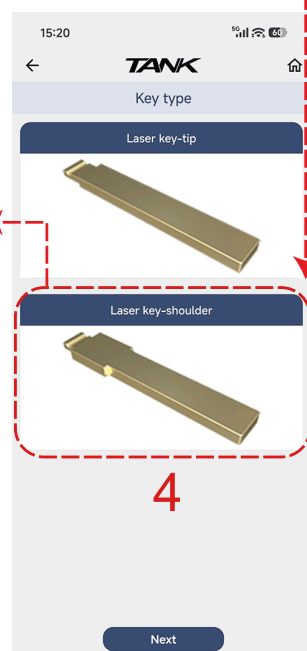
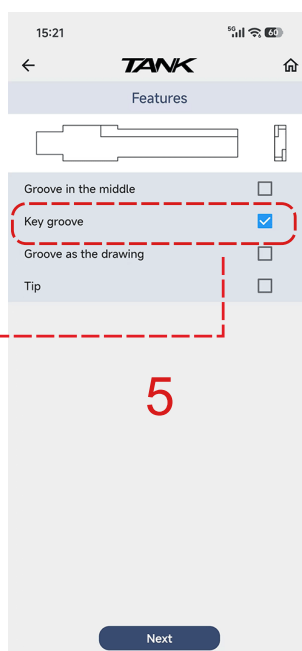
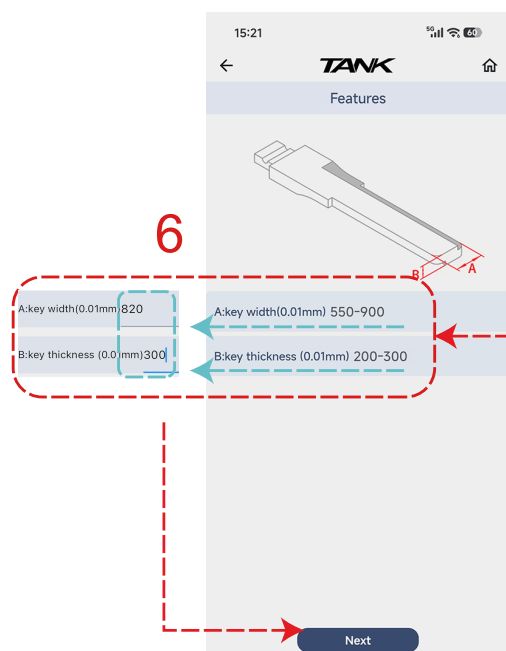


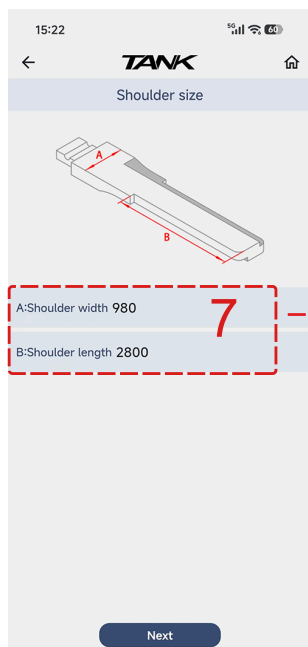
Step 3:
Select 'DIY Key blank by measuring'.

Step 6:
Fill in the data - Next.

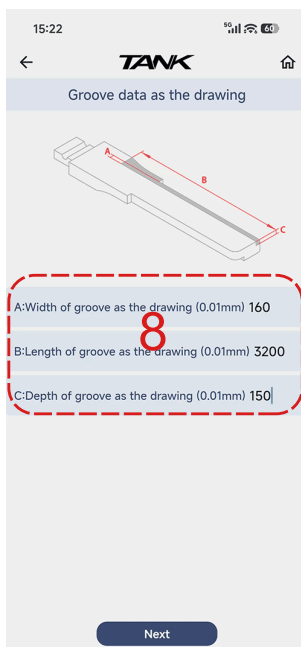
Step 5:
Select the upper groove.

Step 4:
Select Positioning Type.

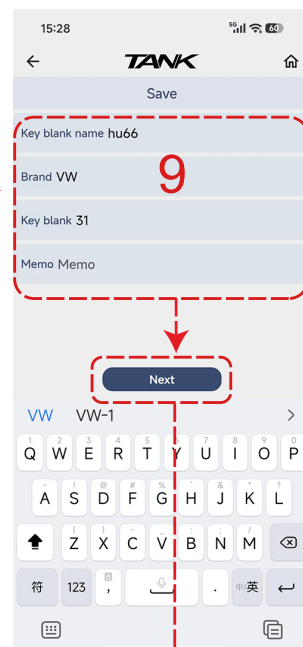




Step 7:
Fill in the data - Next .



Step 8:
Fill in the data - Next .



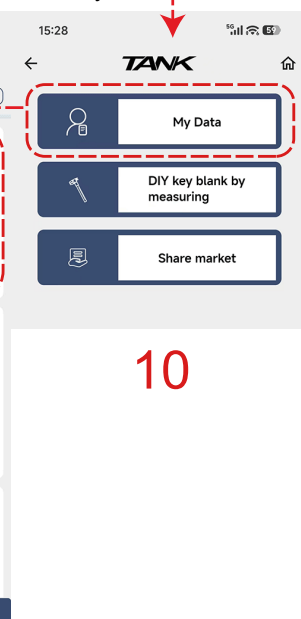
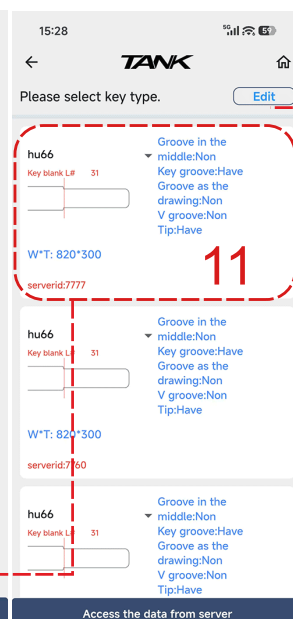
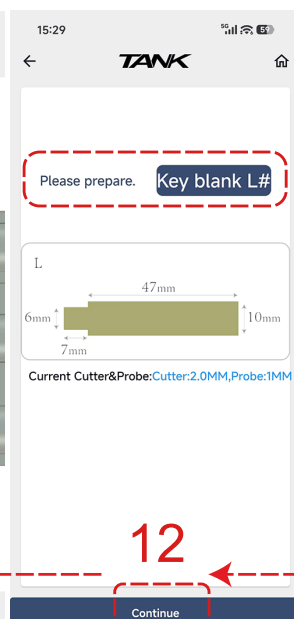
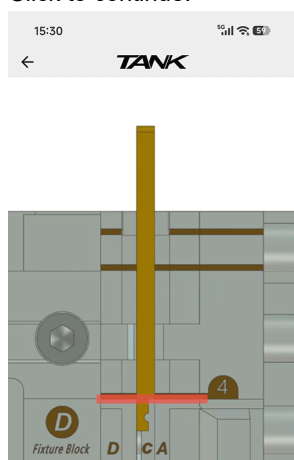
Step 9:
Fill in the name - brand
- click save
(Save and choose whether to
exit or continue as needed)

Step 13:
Place the key in the
C-clip block with the end of
the key aligned with line 4-
Click to continue.

Step 12:
Prepare the L blank as
prompted, and click "Next"

Step 11:
click "hu66".

Step 10:
If you need to cut a key using
the data you just created,
select "My Data."



14. How to use 'DIY key'? (Hu66 as sample)

Step 1:
Click "DIY key".

Step 2:
Click "DIY key by measuring".

Key auxiliary measurement: Clamp the key according to the prompts, and measure the width and thickness of the key.

Step 3:
Select key type.

Step 6:
Input key thickness, Depth and other information after measuring, and then click 'next'.

Step 5:
Clamp the key according to its thickness — if it is greater than 2.8mm, clamp it on the left side.

Step 4:
Click 'Shoulder'.

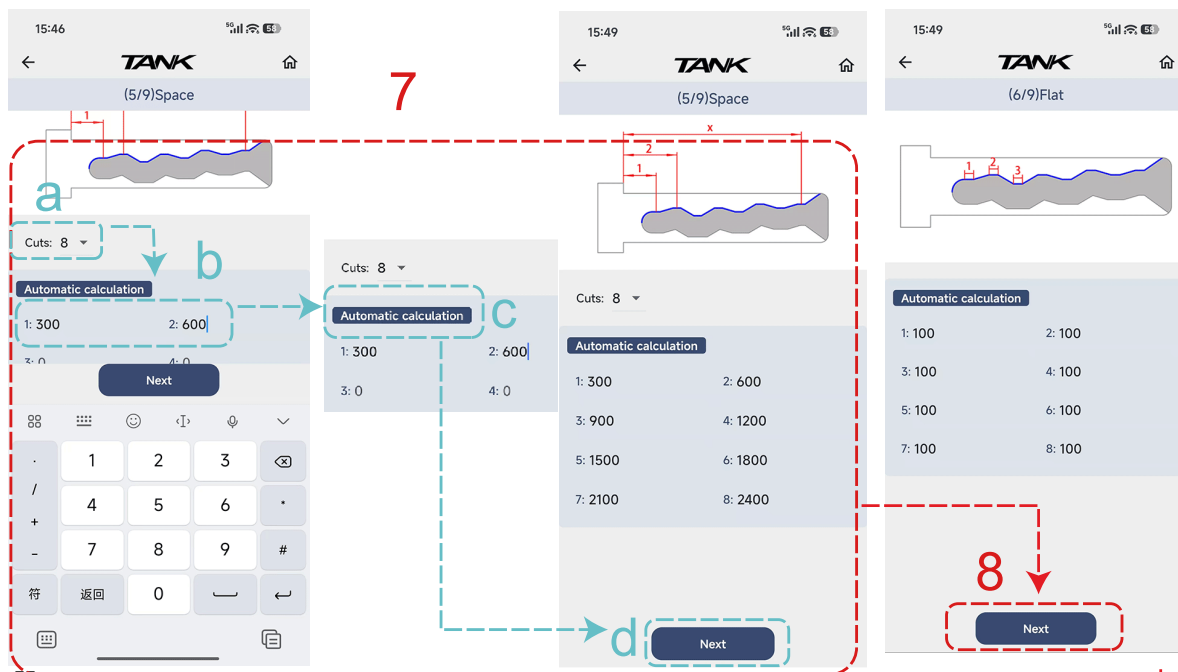
Step 4:
Click 'Shoulder'.

Step 5:
Clamp the key according to its thickness — if it is greater than 2.8mm, clamp it on the left side.

Step 6:
Input key thickness, Depth and other information after measuring, and then click 'next'.

Parameter	Value
A: key width (0.01mm)	820
B: key thickness (0.01mm)	300
E: Depth (0.01mm)	110
F: Inner groove space	250

Next



Step 7: Selection of tooth position- input of tooth position value - Automatic calculation - next step.

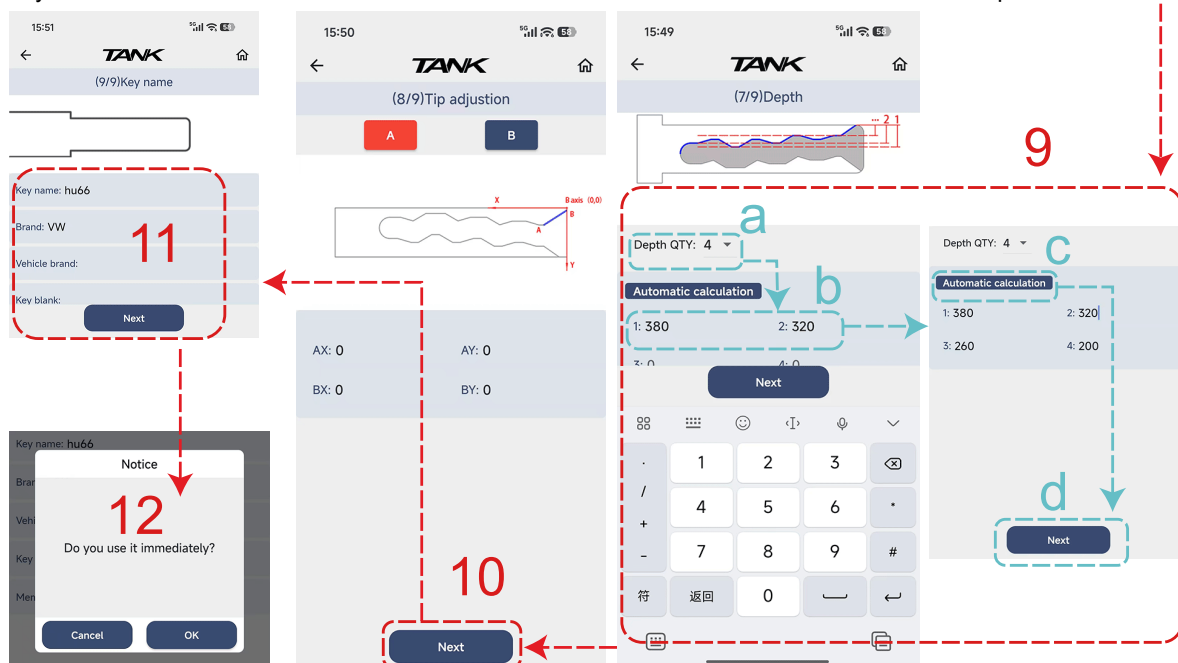
Step 8:next.

Step 12:
Choose to exit or
continue processing
keys as needed.

Step 11:
Fill in the name - brand
- click save

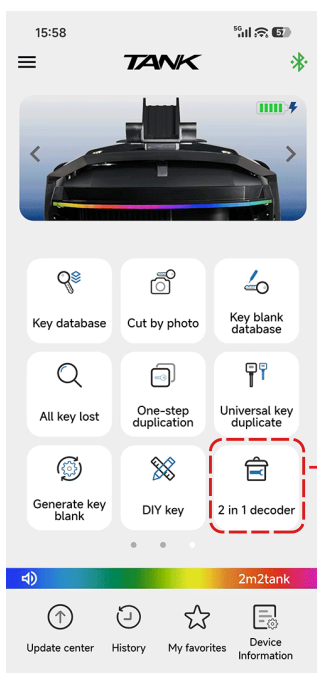
Step 10:
Next.

Step 9:
Selection of tooth position- input of
tooth position value - Automatic
calculation - next step.

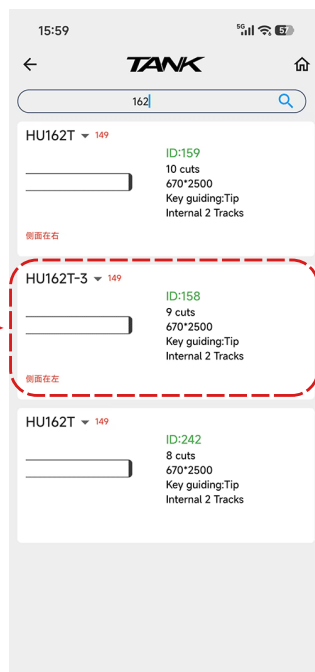


15、2 IN 1 DECODER

15-1、How to use '2 in 1 decoder' ? (HU162T-9 cuts as sample)

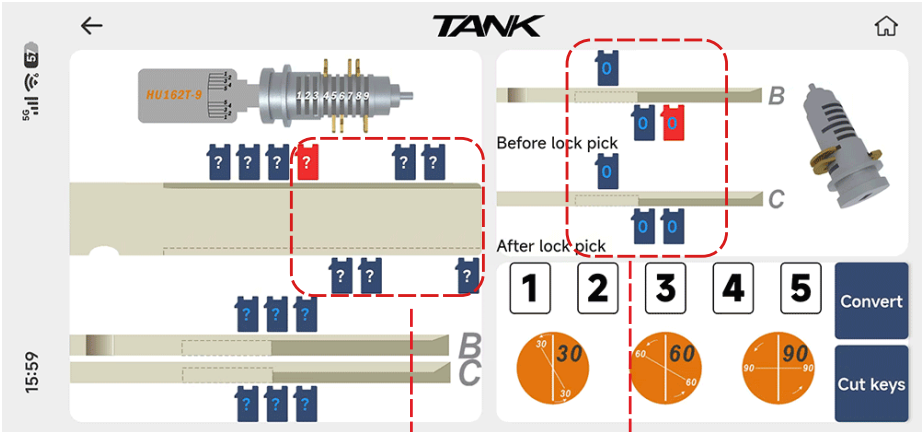


Step 1:
Click '2 in 1 decoder' ,

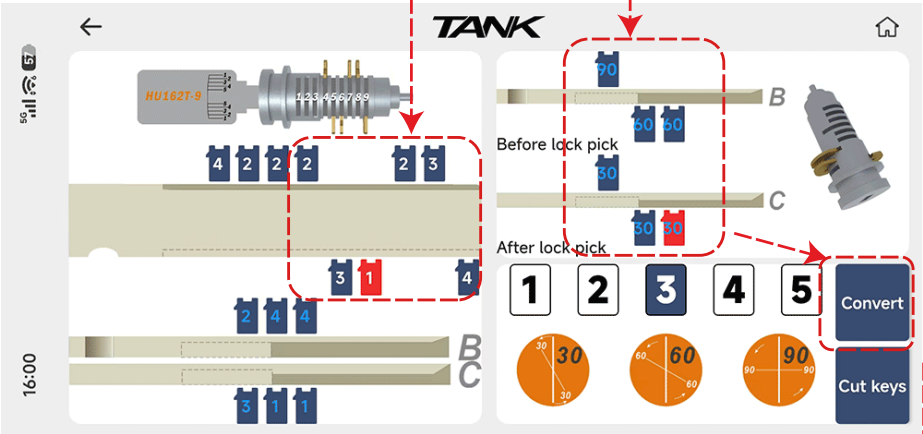


Step 2:
Search for 162 in the search bar,
Select the 9-cuts HU162T program.

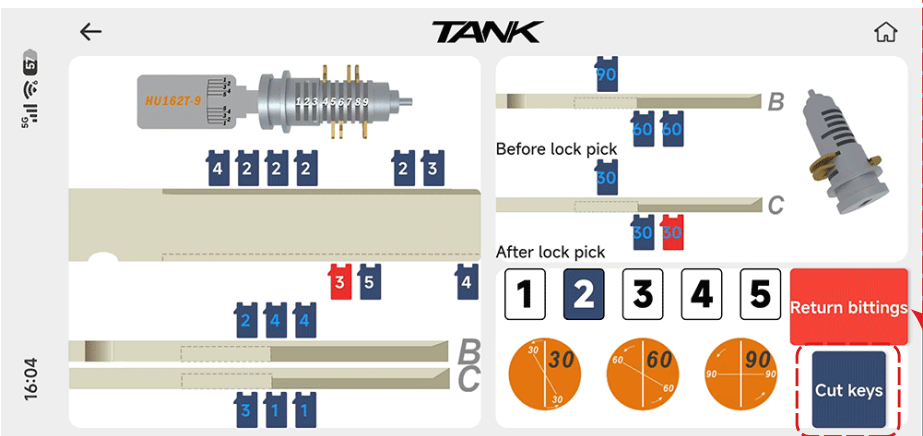
Step 3:
Fill in the numbers in the red box as shown in the figure below.

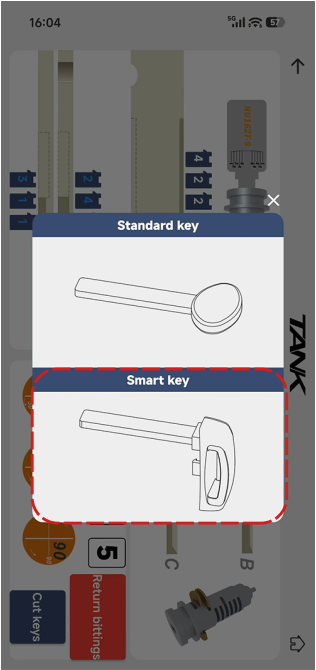


Step 4:
Enter the angle and tooth number and click on Convert Tooth Number.

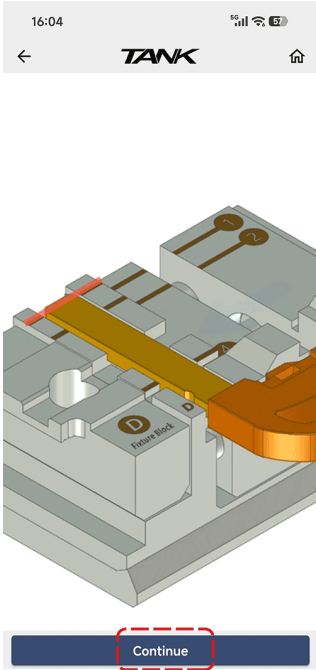


Step 5:
Click 'Cut key'.





Step 6:
Select the smart key.

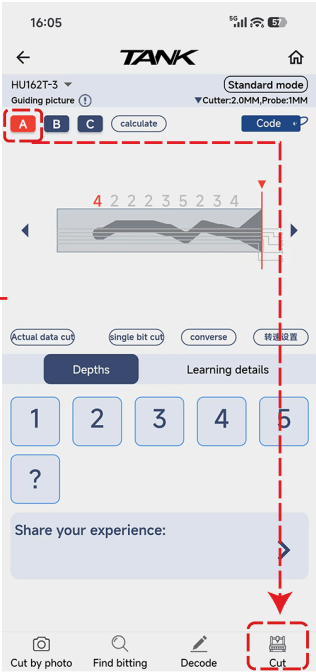


Step 7:
Install the key on the left
(pay attention, please align
the tip with the 1st line).

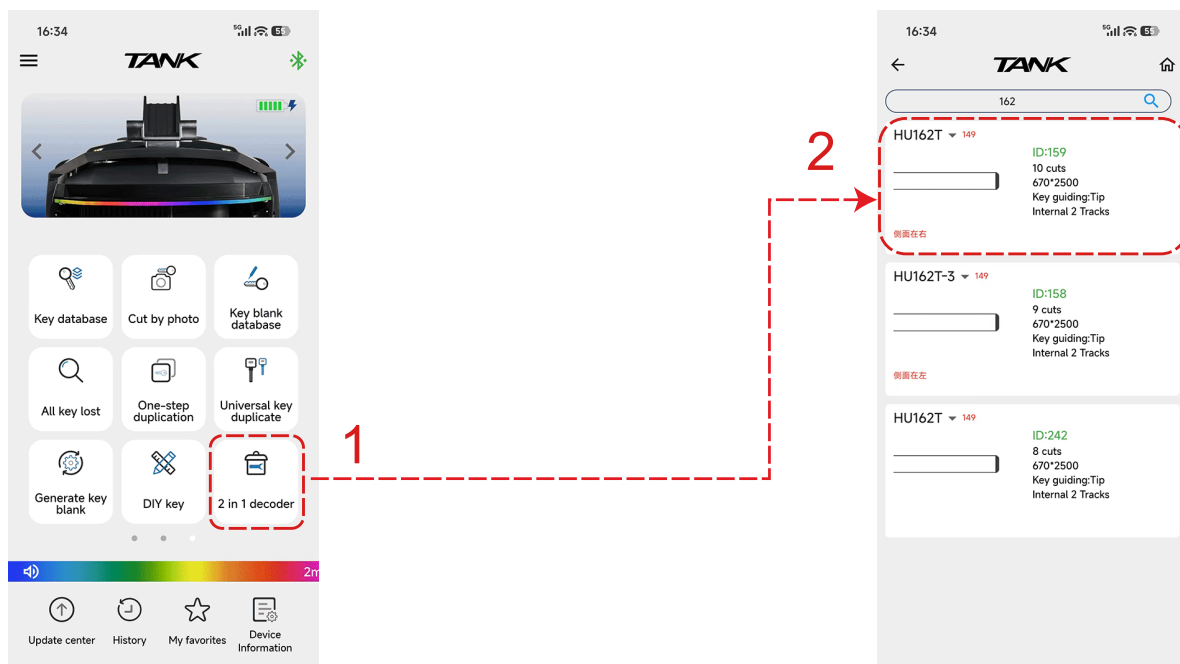
Step 10:
Step 3: Click 'C' --- 'cut'

Step 9:
Click 'B' --- 'cut'

Step 8:
Click on Side 'A' - 'Cut'



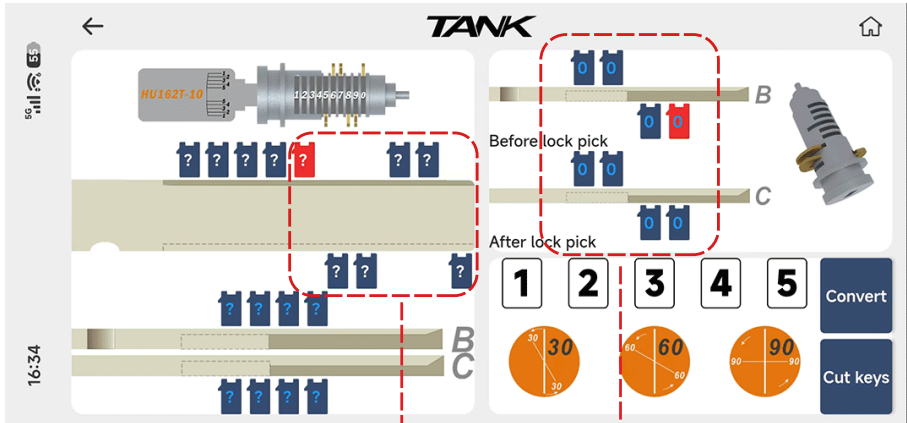
15-2 HU162T-10 cuts



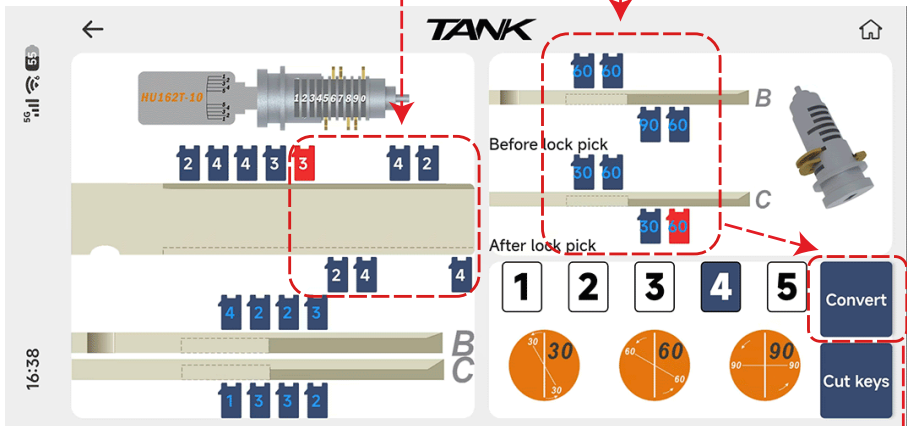
Step 1:
Click '2 in 1 decoder'.

Step 2:
Search for 162 in the search bar,
Select the 10-cuts HU162T program.

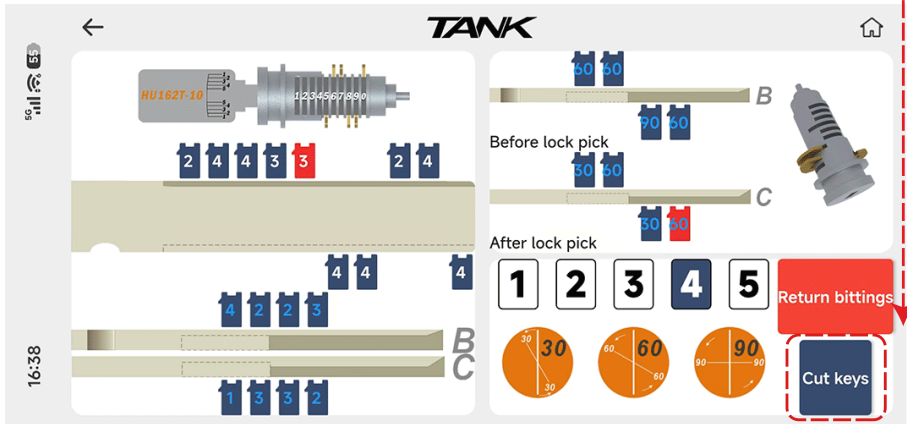
Step 3:
Fill in the numbers in the red box as shown in the figure below.

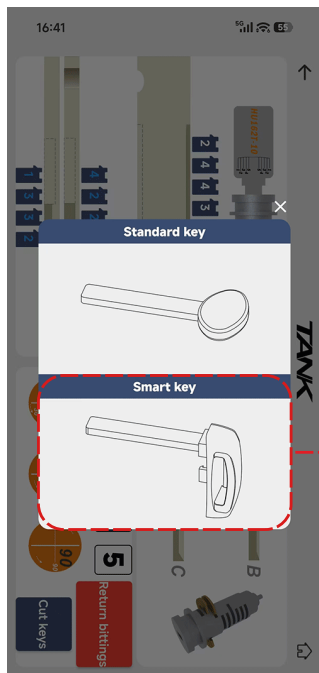


Step 4:
Enter the angle and tooth number and click on Convert Tooth Number.



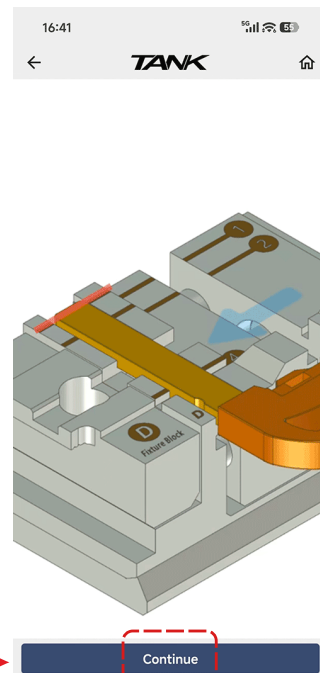
Step 5:
Click 'Cut key'.



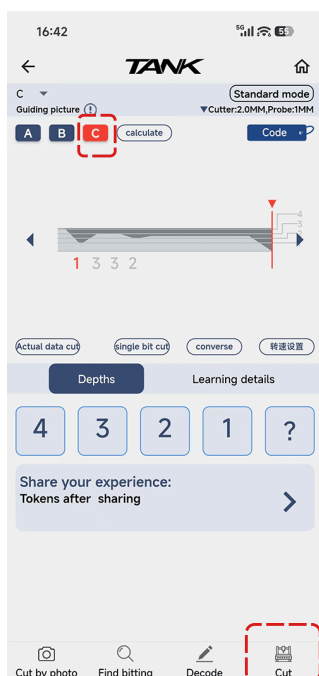


Step 6:
Select the smart key.

Step 7:
Install the key on the left
(pay attention, please align
the tip with the 1st line).



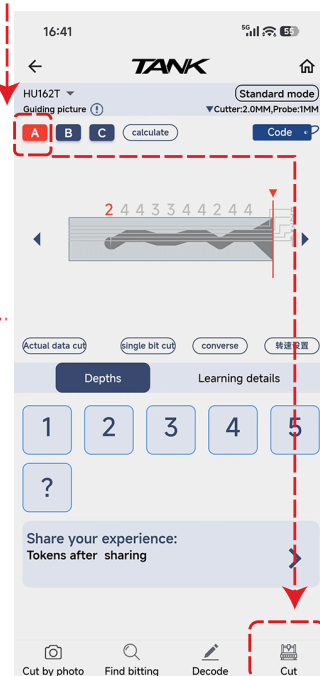
Step 10:
Step 3: Click 'C' --- 'cut'



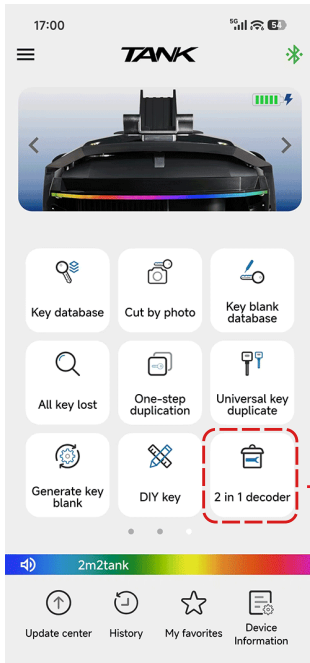
Step 9:
Click 'B' --- 'cut'



Step 8:
Click on Side 'A' - 'Cut'.



15-3 TOY43

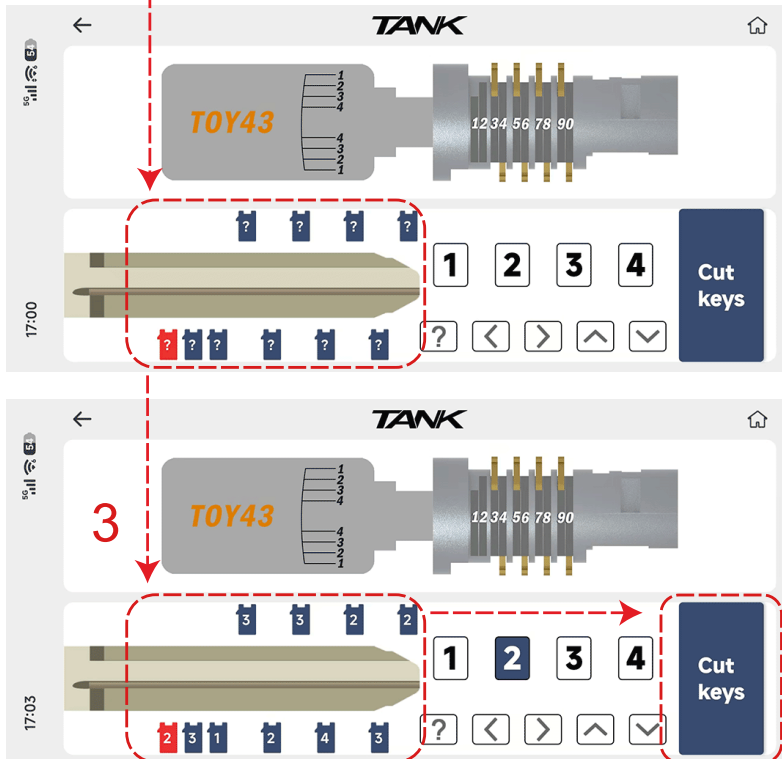
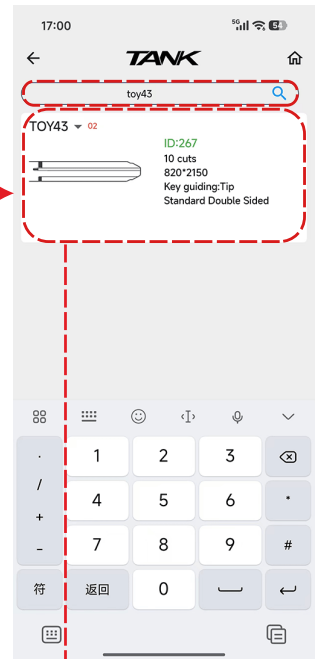


Step 1:
Click '2 in 1 decoder'

Step 2:
Search for toy43 in the search bar,
select the corresponding program.

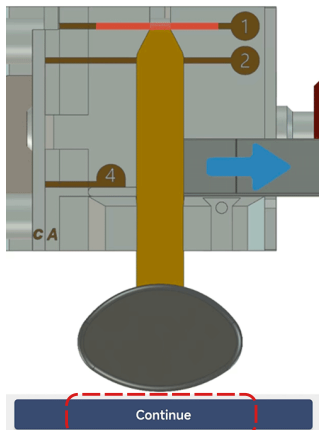
Step 3:
Fill in the numbers in the red box
as shown in the figure below.

Step 4:
Click 'cut keys'.

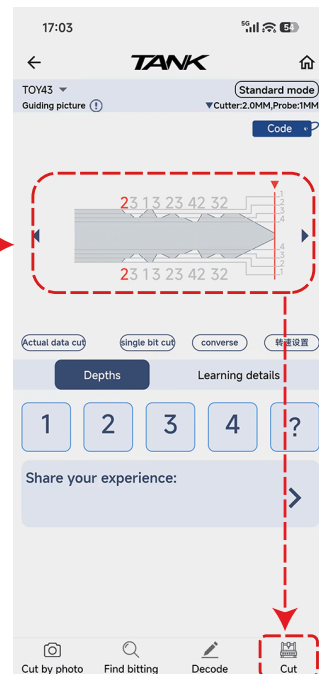




Step 5:
Install the key on the right
(pay attention, please align the
tip with the 1st line).

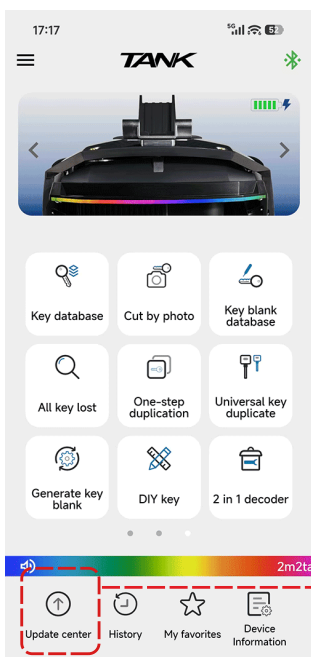


Step 6:
After obtaining the tooth
number, click "Cut."



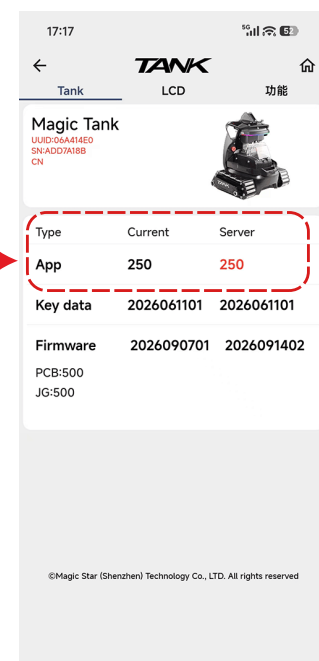
16、UPDATE

16-1 APP update

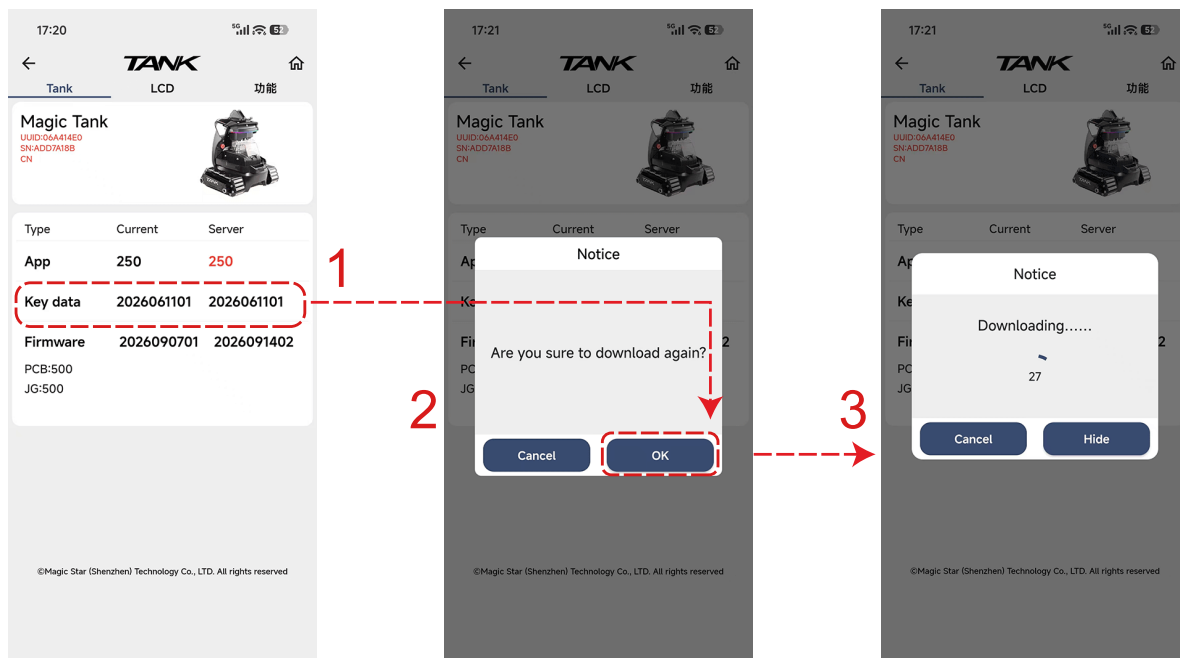


Step 1:
Click 'Update center'.

Step 2:
Check whether the Current
version and the server version
are consistent. The server
version shall prevail. If they are
inconsistent, click Upgrade.



16-2 Update key database



Step 1: Long press on Key date version .

Step 2: click"OK".

Step 3: Downloading.

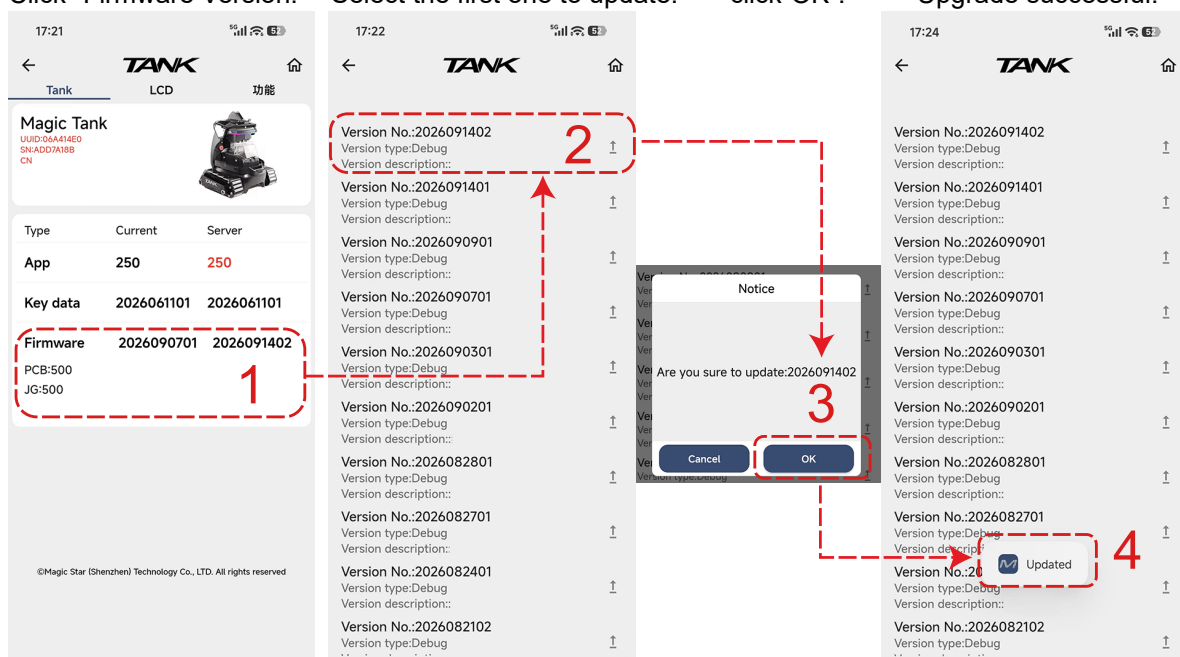
16-3 Firmware update

Step 1: Click "Firmware Version."

Step 2: Select the first one to update.

Step 3: click"OK".

Step 4: Upgrade successful.



17、MAINTENANCE

- Please clean the area around clamps with a brush before the machine starts to work. This is to assure cutting precision and avoid components damage by metal particles.
- To avoid damage or corrosion to the machine, please do not use detergent or other cleaning products to clean the machine.
- Please do not flush or wet the machine with water, in case rust and electrical current leakage.
- Please clean or blow particles on the machine after cutting keys.

18、WARRANTY

1. Warranty period from the activating day;
 - 2 years warranty (machine structure, screw ball, Main board and others);
 - 1 year warranty contains battery (optional) and power adapter.
2. becomes dysfunctional due to the following reasons:
 - Operation without referring to or violating the user manual.
 - Modifications or repairs to the machine by individuals.
 - Falling, knocking or wrong voltage.
 - Force damage.
 - Scratches and abrasions on machines and fixtures as well as decorative parts are not warranted after one week of confirmation of receipt (exterior parts only).



Magic Star (Shenzhen) Technology Co.

Warranty

Customer Name: _____

Telephone Number: _____

Address: _____

Date of purchase: _____

Description of the problem: _____

Certificate of Conformity

Pseudolaric acid: Tank Key Cutting Machine

Product Model: TANK

Inspector:  

Makers: Magic Star (Shenzhen) Technology Co.

Address: 301,3rd Building, 28# Junhua North Road,
Sanlian Community Longhua street,
Longhua District Shenzhen.

This product has been inspected and meets the factory requirements,
and is allowed to leave the factory.