

## Automatic V8/X6 Key Cutting Machine User Manual

### SAFETY PRECAUTIONS

1. This machine is not used in adverse environments, For example, temperature ( below 0 °C) or (above 45 °C).Keep it away from the wet place. Keep other objects away from cutting table in order to avoid falling into the machine.
2. This machine is special for experienced locksmith. Let children keep away from the machine while operation.
3. Locksmiths are provided for legitimate use. We don' t undertake all legal responsibilities while it is illegal for use.
4. This machine does not have waterproof function, do not spill or soak.
5. The machine is fastened to the workbench so as to avoid falling down. Please fasten more firmly on the car if working outside.



## COMPONENTS OF THE MACHINE



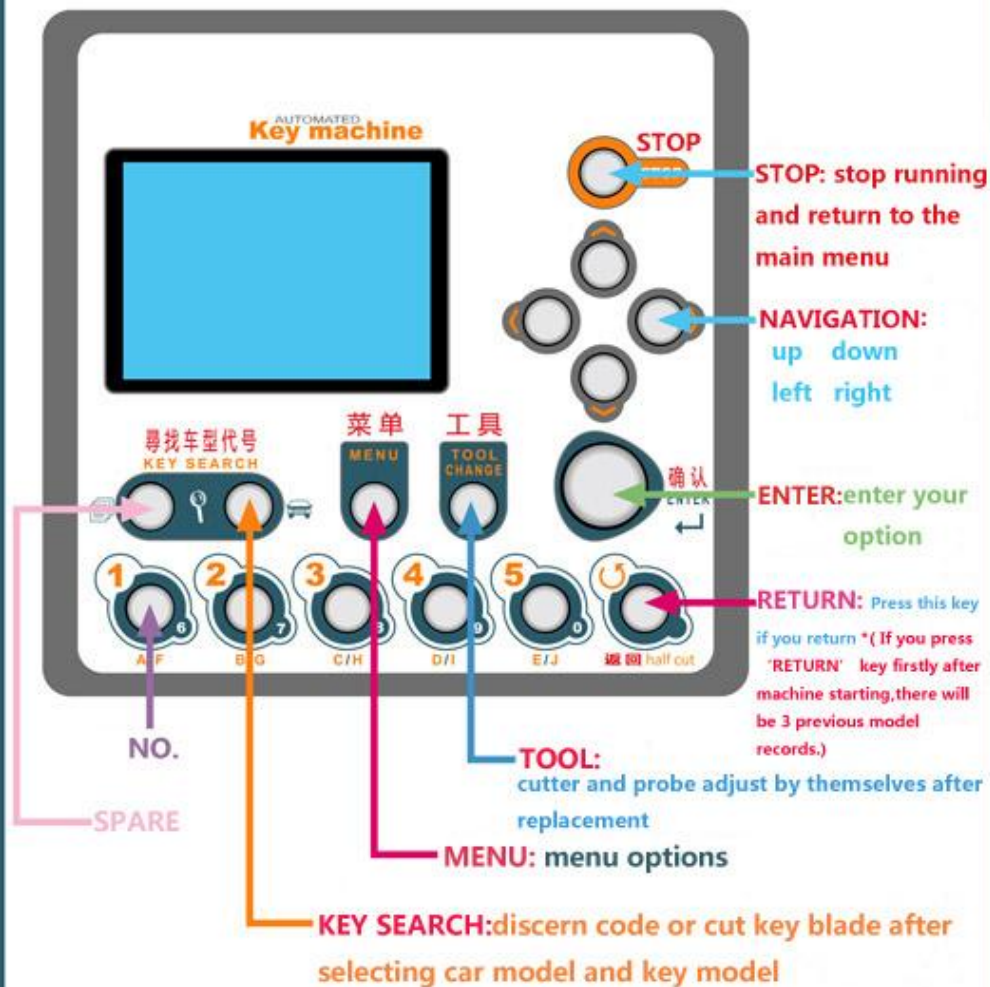
### ON/OFF/STOP

'turn right ---- ' ON'

' Press ' ---- ' OFF '

\*(Press the switch immediately if emergency happens.)

# CONTROL PANEL



**NOTICE!** NO.1 Pressing 2 times equals 6 NO.2 Pressing 2 times equals 7  
 NO.3 Pressing 2 times equals 8 NO.4 Pressing 2 times equals 9  
 NO.5 Pressing 2 times equals 0

## CONCEPT

**SAMPLE COPY:** You want another one when you have one key, It is so-called sample copy.

**NO-SAMPLE COPY:** You want one when you don' t have key, it is so-called no-sample called.

**PROBE** (also called **guide pin** or **touch pin**)

The probe is used to probe the depth of the key teeth . Adjust reference axis and cutter is not replaced as probe for use.

**NOTICE:** If you have one key, key teeth can be straight probed by probe, and then cut by cutter.

**CUTTER:** Perfect key blade depends on the quality of cutter. Our advice is to use original cutter and change cutter on proper time.

**NOTICE:** If you have no key, Probe has to adjust reference axis. And then please put the key blank into the fixture and change probe into cutter. and then select car model and input the depth of key teeth.



## FIXTURE AND AUXILIARY TOOL

**GENERAL FIXTURE:** General fixture can clamp most key blade of the different size, few special size in different clamping ways. Most clamping divided into 2 types:

### 立铣胚夹持方式和平铣胚夹持方式



**BLOCK:** Block is used to lean against the top or the end of key while clamping key. Select the top or the end depending on the operation of the screen. Block is put into the slot which screen indicates, and then adjust the key position.

**AUXILIARY TOOL:** Few special key size can't apply to general fixture. So auxiliary tool is a tool of general fixture, It's able to cut these few special key sizes.

## THE USAGE OF GENERAL FIXTURE

**Fixture at the top ( it applies to horizontal milling ):** Cutting key by horizontal key machine is called horizontal milling ( example:TOY43)



**Fixture at the bottom (It applies to vertical milling):** Cutting key by vertical key machine is called vertical milling ( example:TOY48)



**Slot ( The position in which block is put):** divided into 5 positions



**Block( located block):** It is used to lean against the top or the bottom of the key in order to fix the key onto fixture accurately.



### THE WAY TO FIXTURE

1.Horizontal milling has to be clamped at the top of fixture and put into the appointed slot according the indication on the screen, and then put the magnet at the bottom of the key(magnet supports key in order to keep level height.) and then the key leans against the block, turn right wheel and it is clamped firmly.

2.Vertical milling has to be clamped at the end of the fixture and put into the appointed slot according the indication on the screen, and then the key leans against the block, turn right wheel and it is clamped firmly.

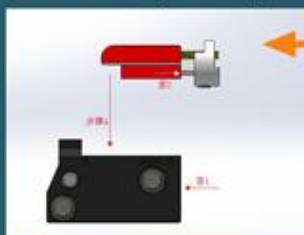
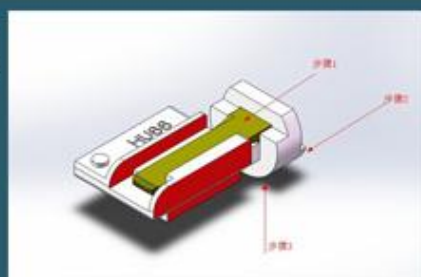
## THE USAGE OF AUXILIARY TOOL

### HU66 AUXILIARY TOOL(VW) ASSEMBLY:

Step 1: Key blade lies into the fixture and is positioned.

Step 2: Put buckle into the fixture and lock fixture together with key blade.

Step 3: Tighten the screws so that fasten fixture and key blade together.



Step 4: Fasten the fixture on the main fixture.  
Tighten after alignment.

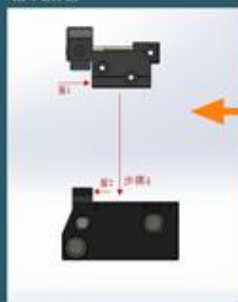


### MONDEO AUXILIARY TOOL ASSEMBLY:

Step 1: Insert key blade till the bottom.

Step 2: Fix the screws on the key blade

Step 3: Wave lock and wheel can be turned around, adjust '0' position on the sections.  
(tighten while cutting, loosen while turning around).



Step 4: Fix the fixture on the main fixture, Tighten the main fixture after alignment.



## PROBE AND CUTTER

### How to change probe and cutter?



### How to remove the probe?

Pull the sleeve up while grasping the probe, and then pull the probe down.

### How to install the probe?

Pull up the sleeve and rotate the positioning hole until visual angle can be seen. Pick up the probe and align between the flat part and the positioning hole. At last insert it till the bottom.


**Assembly and removal milling cutter is as same as the probe's**





## SAMPLE COPY: CUTTING KEYS

Adjust the reference axis before cutting

1. Check if the probe installation is proper.
2. Fix the **special correcting key**  at the top of the fixture and the block is leaned against the fourth slot. Remove the block after finishing.
3. Enter the options by menu, select ' **Clamp Origin** ' and press ' enter ' , the probe can adjust the reference axis. Remove the **special correcting key** after adjusting. The next is clamp the customer ' s key firmly (Horizontal milling is clamped at the top, vertical milling is clamped at the end. HU66 and Mondeo have to use special auxiliary tool) starting to discern the code.

### READ THE CODE ( reading the code if sample copy)

Press car key and enter the options, select ' **ZHONGGUO** ' or ' **SILCA** ' , ' **ZHONGGUO** ' means Chinese key number . ' **SILCA** ' means foreign key number. Select the number according to your habits. Press ' enter ' into next option if finish selection. Press ' enter ' after selecting key number. Press ' enter ' 2 times after selecting ' **Decode** ' . The probe can start to read code.


### CUTTING KEY (Remember to change probe into cutter)

Change the customer ' s key into a new key after reading, check the cutter installation. continue the last options, press ' enter ' 5 times and cutter can start running. ( 立铣胚 need to cut for 2 times, flip the key over after the first cutting, Press ' enter ' and start to cut key for the second time.) remove the key after cutting.



## NO-SAMPLE COPY: CUTTING KEYS

Adjust the reference axis before cutting











1. Check if the probe installation is proper.
2. Fix the **special correcting key**  at the top of the fixture and the block is leaned against the fourth slot. Remove the block after finishing.
3. Enter the options by menu, select ' **Clamp Origin** ' and press ' enter ' , the probe can adjust the reference axis. Remove the **special correcting key** after adjusting. The next is clamp the customer ' s key firmly (**Horizontal milling is clamped at the top, Vertical milling is clamped at the end. HU66 and Mondeo have to use special auxiliary tool**) starting to cut the key.

### CUTTING KEY (Remember to change probe into cutter)

Press car key and enter the options, select ' **ZHONGGUO** ' or ' **SILCA** ' , ' **ZHONGGUO** ' means Chinese key number . ' **SILCA** ' means foreign key number. Select the number according to your habits. Press ' enter ' into next option if finish selection. Press ' enter ' after selecting key number. Input tooth number after selecting ' cut ' . (**reading key number via unlocking tool or VIN**), press 'Enter' 3 times after inputting the tooth depth ( **Vertical milling need to cut key 2 times. Cutting the key for the second time after turning it over when the first time cutting is finished**).

(checking lock number or VIN via InstaCode)

## COMPONENTS

<b>CUTTER</b>	<b>TUNGSTEN STEEL</b>	
<b>PROBE</b>	<b>SUPER STEEL</b>	
<b>BLOCK</b>	<b>MEDIUM CARBON STEEL</b>	
<b>REVERSE BLOCK</b>	<b>MEDIUM CARBON STEEL</b>	
<b>PAD</b>	<b>MAGNET</b>	
<b>CORRECTION KEY</b>	<b>CUPRONICKEL</b>	
<b>GENERAL FIXTURE</b>	<b>MEDIUM CARBON STEEL</b>	
<b>USB WIRE</b>	<b>DOUBLE INTERFACE</b>	
<b>CURRENT ADAPTER</b>	<b>INPUT 100~240V OUTPUT 13V 6A</b>	
<b>SD MEMORY</b>	<b>2G FAT FORM</b>	

## COMPONENTS

<b>VW HU66 FIXTURE</b>	<b>MEDIUM CARBON STEEL</b>	
<b>FORD MONDEO FO21 FIXTURE</b>	<b>MEDIUM CARBON STEEL</b>	
<b>JAGUA FIXTURE</b>	<b>MEDIUM CARBON STEEL</b>	
<b>PORTABLE POWER</b>	<b>8000 MA POLYMER</b>	
<b>CIGARET LIGHTER POWER</b>	<b>12-13.8v</b>	
<b>BLOWING BALL</b>		
<b>BRUSH</b>		