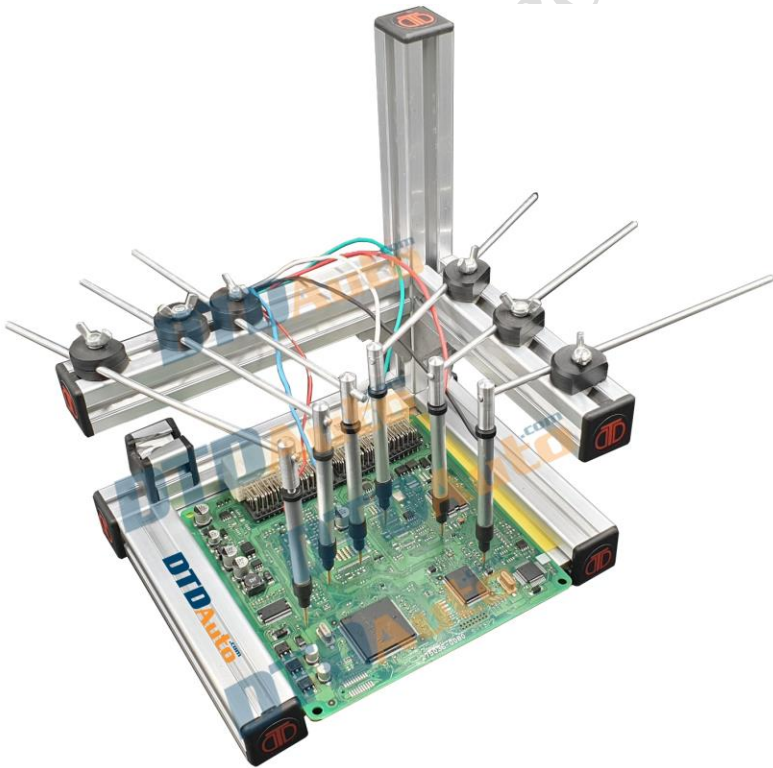


QUICK GUIDEBOOK

PCB UNSOLDER

ELECTRONIC CIRCUIT HOLDER WITHOUT WELDING

(Model 1.0)



1. INTRODUCTION

- **PCB UNSOLDER** is the name of the toolkit used to connect multiple electrical points on the types of electronic printed circuit boards in the interim period to operate: measuring, diagnosing, testing, loading software, reading and writing data... without the need to solder on the circuit, without leaving traces of interference, repair, convenient for the repairer.

- Product researched, manufactured and registered Copyright by DTDAuto Vietnam Company 2020.

- This toolkit is a versatile solution, perfect for pinning the check points on any PCB. You can use with data reading or measuring devices or smart key programmers, ODO corrected programmers, EEPROM data loaders, FLASH, MICRO CHIP programmers for cars, motorcycles and more..

- The product is essential for locksmiths, Radio Repairers, TVs, Computers, Telephones and civil electronics

* **Why do DTDAuto's experts recommend using this product?**

In fact, mechanic repairing cars, motorcycles, locksmiths that welding electronic circuits is often not a strong point, not a forte and not confident, so it is often the fault of causes. The following:

- The skill of solder, the quality of solder toolkit, your soldering tin is not up to the standard, so the solderpoint is dry, not puree solder and poor electrical contact, the total resistance of the wire circuit and solderpoints but greater than 10R will not be able to transfer high speed data.

- You hold the soldering tool for too long, too hot to burn IC damage on the circuit board or the weld is not in contact, shaky hands make faulty electrical circuits and ECU faults

- Some guy still keep their hands during data transmission or use homemade needles, no fixed pressure force, loose, poor electrical contact or actively extending the cable of the reading cable out meters, or using the power supply from the 220V AC adapter is not good, not stable those are common causes.

From those issues, DTDAuto's experts recommend that you choose good solution is this **PCB UNSOLDER** product.

2. WHAT ARE THE ADVANTAGES OF THE PRODUCT?


Unlike conventional low-cost products and home-made products of workers, PCB UNSOLDER is studied, meticulously designed, precise, sophisticated, durable, versatile and reliable and address most of the disadvantages of other products on the market. In particular, the product is designed to be capable of flexible multi-directional adjustment (3D) independently of each pressured point and has the ability to adjust the needle pressure independently according to the user's wishes and can also give an needle additional option as desired. You can pin custom electrical contacts according to your actual circuit such as:





- Common type: points to be pinned on the horizontal plane
- Wide PCB type: check points need to be pin far apart on a large area
- Thick PCB type: check points need to be monolithic on a thick whole
- Non-plane PCB type: the points to pin are not the same plane
- Complex type: very close electric points, not on the same plane, with inclined sides and electric points to be pinned on the top of undulating components ...

3. SPECIFICATIONS

- Designing style is assembly of separate components
- Materials: Cast aluminum
- Size: 23x19x26 cm
- Weight: 2.5 kg







4. ACCESSORIES

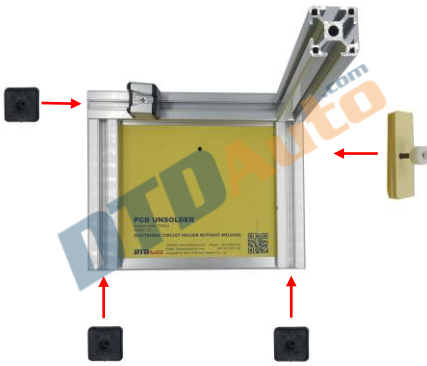


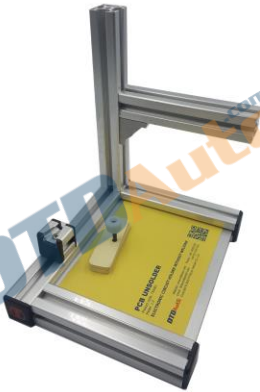
NO.	DESCRIPTION	QTY	IMAGE
1	Main set of toolkit	01	



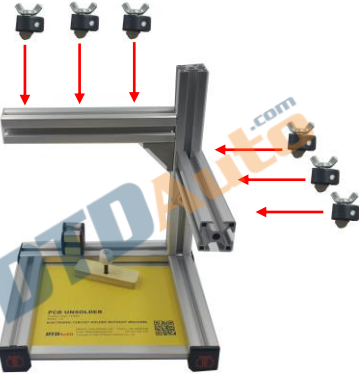

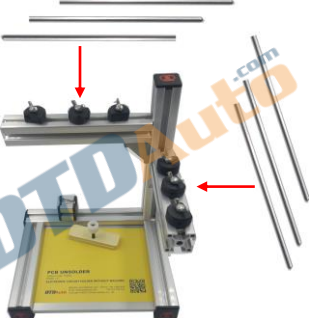

2	Electric check needles (standard kit, you can order more needles)	06	
3	Multi-function rack supports electric pins	06	
4	Electric light	01	
5	Screw tools	02	
6	Quick guidebook	01	
7	Carton box	01	

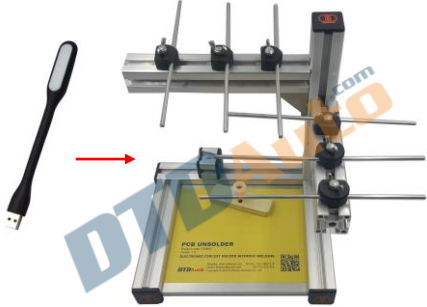

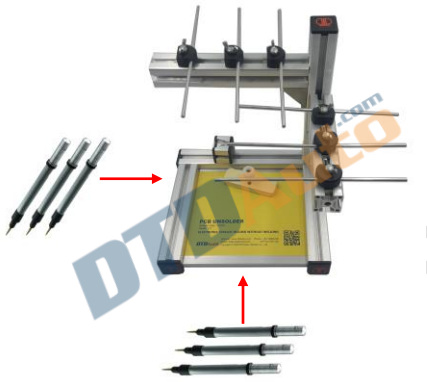
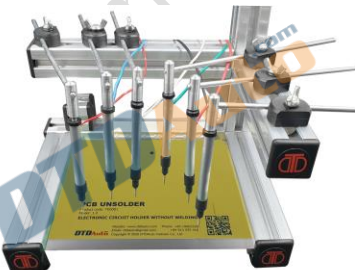
5. BASIC INSTALLATION FOR TOOLKIT

You install main toolkit as follow :

STEP	IMAGE/POSITION	RESULT
1		
2		
3		

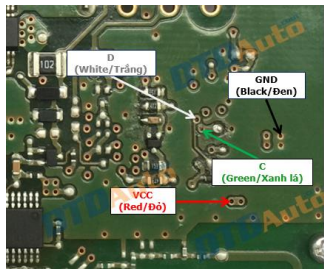
4		
5		

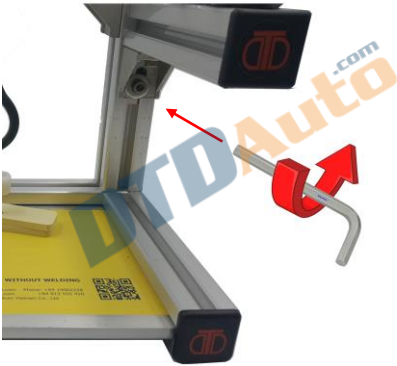

<p>6</p>	 <p>Diagram showing the assembly of the top horizontal rail. A red arrow points from the rail to the vertical rail, indicating the direction of assembly.</p>	 <p>Diagram showing the completed assembly of the top horizontal rail, now attached to the vertical rail.</p>
<p>7</p>	 <p>Diagram showing the assembly of rollers. Three rollers are shown above the top rail with red arrows pointing down to indicate they should be placed on the rail. Two more rollers are shown to the right with red arrows pointing left to indicate they should be placed on the vertical rail.</p>	 <p>Diagram showing the completed assembly of rollers on the top rail and vertical rail.</p>
<p>8</p>	 <p>Diagram showing the assembly of support rods. Two rods are shown above the rollers with a red arrow pointing down to indicate they should be placed on the rollers. Two more rods are shown to the right with a red arrow pointing left to indicate they should be placed on the vertical rail.</p>	 <p>Diagram showing the completed assembly of support rods on the rollers and vertical rail.</p>

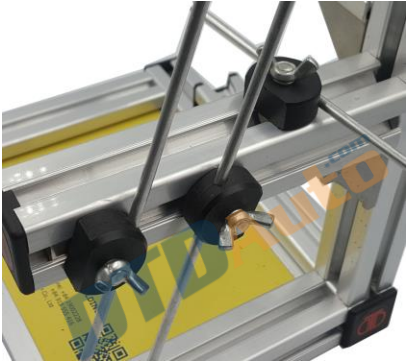
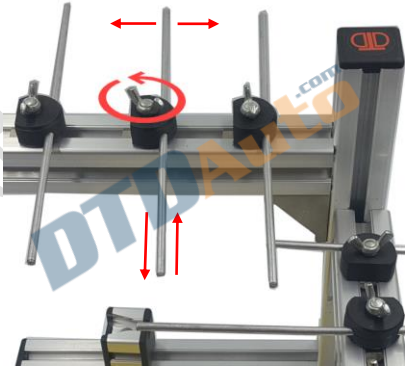

<p>9</p>		
<p>10</p>		

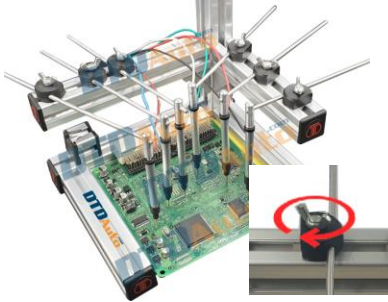
6. SET CHECK POSITION, NEEDLE RACK & CROSS-BAR ADJUSTMENT

Setup position of check points according to different board types

STEP	DESCRIPTION	IMAGE
<p>1</p>	<p>Measure and determine electric point position or lookup it on MOTODATA software</p>	 <p>(reference image)</p>

<p>2</p>	<p>You use screw tool to change position and height of 02 cross-bars. It must fit the thickness of circuit board.</p> <p>(Each board have different thickness. You need to adjust accordingly)</p>					
<p>3</p>	<p>Save position of 02 across-bars (on ruler scale) on your notebook for the next time</p>					
	<p>ECU</p>	<p>Model</p>	<p>Pos.</p>	<p>ECU</p>	<p>Model</p>	<p>Pos.</p>
	<p>SCU</p>	<p>AB/LEAD/VISION CLICK/VARIO</p>	<p>10.5</p>	<p>ODO</p>	<p>SH 2017-2019</p>	<p>8.5</p>
		<p>SH/PCX/ X-ADV...</p>	<p>9.8</p>		<p>Vario/Click (2013 -2017)</p>	<p>8.5</p>
		<p>YAMAHA/SUZUKI</p>	<p>10.5</p>		<p>Vario/Click (2018 -2020)</p>	<p>10.5</p>
	<p>ODO</p>	<p>SH/SH MODE (2013-2016)</p>	<p>10.5</p>		<p>Airblade/Lead (2013-2019)</p>	<p>10.5</p>
		<p>Piaggio/Vespa</p>	<p>10.5</p>			

<p>4</p>	<p>Change needle rack to fit the complex circuit boards</p>	
<p>5</p>	<p>Adjust needle rack to fit the needle position direction</p>	
<p>6</p>	<p>Adjust independent length of each needle to fit other electric contact positions on circuit board and adjust the needle pressure according to the user's wishes</p>	

<p>6</p>	<p>Locate needle positions with contact points on electronic circuit board by tightening the screw of the needle rack</p>	
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