

AUTOOL OD720

Pneumatic Oil Drainer And Extractor


User Manual


用户手册






深圳市偶然科技有限公司
AUTOTOL TECHNOLOGY CO.,LTD

 www.autotoltech.com

 aftersale@autotoltech.com

 +86-755-2330 4822 / +86-400 032 0988

 Hangcheng Jinchi Industrial Park, Bao'an, Shenzhen,
China / 广东省深圳市宝安区航城锦驰产业园



TABLE OF CONTENTS

Copyright Information	2
Copyright	2
Trademark	2
Cautions	3
Warning	3
Product Introduction	5
Product description	5
Technical data	5
Product Structure	7
Structure diagram	7
Operations Instruction	8
Installation	8
Measuring cup oil extraction	8
Measuring cup oil draining	8
Waste oil recycling	9
Waste oil discharge of oil storage tank	9
Maintenance Service	10
Maintenance	10
Warranty	11
Warranty access	11
Disclaimer	11
Return & Exchange Service	12
Return & Exchange	12

COPYRIGHT INFORMATION

Copyright

- All rights reserved by AUTOOL TECH. CO., LTD. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of AUTOOL. The information contained herein is designed only for the use of this unit. AUTOOL is not responsible for any use of this information as applied to other units.
 - Neither AUTOOL nor its affiliates shall be liable to the purchaser of this unit or third parties for damages, losses, costs, or expenses incurred by the purchaser or third parties as a result of: accident, misuse, or abuse of this unit, or unauthorized modifications, repairs, or alterations to this unit, or failure to strictly comply with AUTOOL operating and maintenance instructions.
 - AUTOOL shall not be liable for any damages or problems arising from the use of any options or any consumable products other than those designated as original AUTOOL products or AUTOOL approved products by AUTOOL.
 - Other product names used herein are for identification purposes only and may be trademarks of their respective owners. AUTOOL disclaims any and all rights in those marks.
-

Trademark

Manual are either trademarks, registered trademarks, service marks, domain names, logos, company names or are otherwise the property of AUTOOL or its affiliates. In countries where any of the AUTOOL trademarks, service marks, domain names, logos and company names are not registered, AUTOOL claims other rights associated with unregistered trademarks, service marks, domain names, logos, and company names. Other products or company names referred to in this manual may be trademarks of their respective owners. You may not use any trademark, service mark, domain name, logo, or company name of AUTOOL or any third party without permission from the owner of the applicable trademark, service mark, domain name, logo, or company name. You may contact AUTOOL by visiting AUTOOL at <https://www.autooltech.com>, or writing to aftersale@autooltech.com, to request written permission to use materials on this manual for purposes or for all other questions relating to this manual.

CAUTIONS

Warning



Before using the product, please pay attention to the following instructions.

- ▶ This equipment has been tested and qualified before leaving the factory. Do not make any unauthorized changes or disassemble the equipment; otherwise, serious consequences may occur, and our company will not be held responsible.
- ▶ No smoking or open flames during operation. Keep away from high-temperature, high-pressure, flammable, and explosive areas.
- ▶ Do not use the lifting rod as a handle for moving. If there is any looseness in the adjustment screws, please tighten them back to their original position.
- ▶ If any hose or other components leak during operation, immediately shut off the air supply and conduct a detailed inspection to eliminate the problem.
- ▶ The air source pressure must not be lower or higher than the specified pressure to ensure the proper functioning of the equipment.
- ▶ Be cautious of scalding when handling waste oil with a temperature between 40~60°C.
- ▶ During operation, protect your eyes and hands (wearing gloves and safety goggles is recommended).
- ▶ The engine must remain turned off throughout the operation.
- ▶ Prohibited usage for extracting brake oil, gasoline, diesel, methanol, ketone, or other flammable liquids.
- ▶ After extracting waste oil, promptly empty the waste oil from the measuring cup into the storage tank to protect the measuring cup better and extend its service life.
- ▶ After emptying the waste oil from the measuring cup, there is no need to close the measuring cup's drain valve.
- ▶ After completing the equipment operation, release the internal pressure, clean the equipment, and avoid equipment damage and personnel injury due to improper operation.

- ▶ Do not use the equipment for functions not listed in this manual.
- ▶ Dispose/recycle waste oil according to relevant regulations by the relevant authorities.
- ▶ For maintenance services, please contact an authorized AUTOOL dealer or customer service center; do not attempt to repair it yourself.
- ▶ If machine damage or personnel accidents occur due to non-compliance with the instructions, our company will not be held responsible and will not provide warranty support.

PRODUCT INTRODUCTION

Product description

- Using compressed air, this product operates with a vacuum generation unit designed with patented technology to create a vacuum inside a transparent measuring cup or oil storage tank. This vacuum generation allows for the extraction of oil from the engine into the measuring cup or oil storage tank through an oil extraction needle tube.
- It boasts a rapid vacuum generation speed and strong negative pressure capability, making it a versatile model suitable for various applications, including scenarios without lifting equipment or ground-level conditions.
- The product features a high-quality, hardened transparent measuring cup that offers excellent attributes such as strength, transparency, temperature resistance, weather resistance, and corrosion resistance. The measuring cup is designed with scale marks, providing a clear view for easily observing the initial oil quality and measuring the oil quantity.
- All functions are powered by compressed air, ensuring safe, environmentally friendly, and low-consumption usage of this device.
- Multiple specifications of oil extraction needle tubes are available, meeting the maintenance requirements of different types of vehicles.

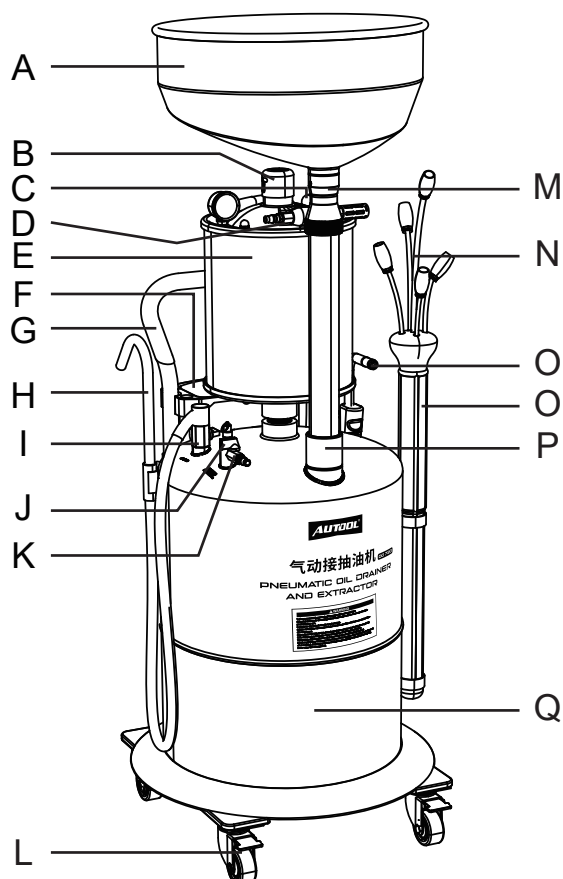
Technical data

Air Supply Pressure	6~8bar
Oil Discharge Pressure	0.6~0.8bar
Air Consumption	150L/Min
Vacuum Level	0~65cmHg
Tank Capacity	70L
Measuring Cup Capacity	10L
Oil Catch Pan Capacity	20L
Working Oil Temperature	40~60°C
Oil Extraction Needle	5 PCS

Φ5*L700mm (Cu, 1 PCS)	Oil extraction speed: 1.9L/Min
Φ6*L700mm (Cu, 1 PCS)	Oil extraction speed: 3.7L/Min
Φ5*L700mm (Pvc, 1PCS)	Oil extraction speed: 1.0L/Min
Φ6*L700mm (Pvc, 1PCS)	Oil extraction speed: 2.0L/Min
Φ8*L700mm (Pvc, 1PCS)	Oil extraction speed: 6.5L/Min

PRODUCT STRUCTURE

Structure diagram



A	Oil catch pan	B	Measuring cup press valve
C	Safety valve	D	Vacuum generator / Inlet
E	Tempered glass measuring cup	F	Tool tray
G	Handle	H	Drain hose
I	Drain device	J	Oil tank safety valve
K	Oil tank inlet valve	L	Swivel casters with brakes
M	Height-adjustable lifting rod mechanism	N	Oil Extraction Needle
O	Oil extraction hose	P	Oil Extraction Needle Holder
Q	Check valve assembly	R	Oil storage tank

OPERATIONS INSTRUCTION

Installation

- Rotate the measuring cup assembly “clockwise” to secure it onto the positioning seat of the oil storage tank.
 - Fix the lifting rod and oil catch pan in place by rotating in the “clockwise” direction.
 - After confirming the correct orientation of the measuring cup assembly, lock it in place.
 - After installation, ensure that the lifting rod is in a vertical position relative to the equipment.
 - Adjust the lifting rod device by turning it counterclockwise to adjust the height of the lifting rod oil catch pan. Turn it clockwise to tighten.
-

Measuring cup oil extraction

- Set the measuring cup valve to the middle slot position (valve closed).
 - Close the valve on the oil extraction hose and connect the corresponding vehicle-specific oil extraction needle.
 - Connect the air supply to the vacuum generator’s air intake port, and open the air supply valve.
 - Adjust the vacuum pressure gauge needle to the rated negative pressure of 50~65cmHg.
 - Insert the oil extraction needle into the engine compartment, open the valve on the oil extraction hose, and begin extracting waste oil.
-

Measuring cup oil draining

- Empty the waste oil from the measuring cup into the oil storage tank below.
- When the oil level in the measuring cup reaches the warning line, empty the waste oil from the measuring cup.
 - Press and rotate the measuring cup valve to the top left or right slot position (valve open). Waste oil inside the measuring cup will automatically flow into the oil storage tank.

 **NOTE**

- ▶ To prolong the service life of the measuring cup assembly, do not close the measuring cup drain valve when not emptying oil into the oil storage tank.
- ▶ When the waste oil temperature exceeds 60°C, it may cause damage to equipment components!

Waste oil recycling

- Use a lifting device to raise the vehicle to a suitable height.
- Ensure a safe working environment and position the equipment under the vehicle engine with the oil catch pan aligned with the engine's drain hole.
- Unscrew the vehicle's engine oil drain plug.
- The waste oil will be discharged into the storage tank through the oil catch pan.

Waste oil discharge of oil storage tank

- Close the measuring cup push-button valve.
- Close the oil discharge pipe valve.
- Close the oil tank inlet valve.
- Connect the air supply to the oil tank inlet valve.
- Open the oil tank inlet valve and pressurize it. Once it reaches a certain pressure, the check valve will automatically close. When the pressure inside the oil tank exceeds 1.0 bar, the safety valve will automatically release the pressure.
- After 5 seconds, slowly open the oil drain valve.
- After discharging the oil, cut off the air supply.

MAINTENANCE SERVICE

Our products are made of long-lasting and durable materials, and we insist on perfect production process. Each product leaves the factory after 35 procedures and 12 times of testing and inspection work, which ensures that each product has excellent quality and performance.

Maintenance To maintain the performance and appearance of the product, it is recommended that the following product care guidelines be read carefully:

- Be careful not to rub the product against rough surfaces or wear the product, especially the sheet metal housing.
- Please regularly check the product parts that need to be tightened and connected. If found loose, please tighten it in time to ensure the safe operation of the equipment. The external and internal parts of the equipment in contact with various chemical media should be frequently treated with anti-corrosion treatment such as rust removal and painting to improve the corrosion resistance of the equipment and extend its service life.
- Comply with the safe operating procedures and do not overload the equipment. The safety guards of the products are complete and reliable.
- Unsafe factors are to be eliminated in time. The circuit part should be checked thoroughly and the aging wires should be replaced in time.
- Adjust the clearance of various parts and replace worn (broken) parts. Avoid contact with corrosive liquids.
- When not in use, please store the product in a dry place. Do not store the product in hot, humid, or non-ventilated places.

WARRANTY

From the date of receipt, we provide a three-year warranty for the main unit and all the accessories included are covered by a one-year warranty.

Warranty access

- The repair or replacement of products is determined by the actual breakdown situation of product.
- It is guaranteed that AUTOOL will use brand new component, accessory or device in terms of repair or replacement.
- If the product fails within 90 days after the customer receives it, the buyer should provide both video and picture, and we will bear the shipping cost and provide the accessories for the customer to replace it free of charge. While the product is received for more than 90 days, the customer will bear the appropriate cost and we will provide the parts to the customer for replacement free of charge.

These conditions below shall not be in warranty range

- The product is not purchased through official or authorized channels.
- The product breakdown because the user does not follow product instructions to use or maintain the product.

We AUTOOL pride ourselves on superb design and excellent service. It would be our pleasure to provide you with any further support or services.

Disclaimer

All information, illustrations, and specifications contained in this manual, AUTOOL reserves the right of modify this manual and the machine itself with no prior notice. The physical appearance and color may differ from what is shown in the manual, please refer to the actual product. Every effort has been made to make all descriptions in the book accurate, but inevitably there are still inaccuracies, if in doubt, please contact your dealer or AUTOOL after-service centre, we are not responsible for any consequences arising from misunderstandings.

RETURN & EXCHANGE SERVICE

Return & Exchange

- If you are an AUTOOL user and are not satisfied with the AUTOOL products purchased from the online authorized shopping platform and offline authorized dealers, you can return the products within seven days from the date of receipt; or you may exchange it for another product of the same value within 30 days from the date of delivery.
- Returned and exchanged products must be in fully saleable condition with documentation of the relevant bill of sale, all relevant accessories and original packaging.
- AUTOOL will inspect the returned items to ensure that they are in good condition and eligible. Any item that does not pass inspection will be returned to you and you will not receive a refund for the item.
- You can exchange the product through the customer service center or AUTOOL authorized distributors; the policy of return and exchange is to return the product from where it was purchased. If there are difficulties or problems with your return or exchange, please contact AUTOOL Customer Service.

China	400-032-0988
Oversea Zone	+86 0755 23304822
E-mail	aftersale@autooltech.com
Facebook	https://www.facebook.com/autool.vip
YouTube	https://www.youtube.com/c/autooltech

目 录

版权信息.....	14
版权	14
注册商标	14
注意事项.....	15
警告.....	15
产品简介.....	16
产品描述	16
技术参数	16
产品结构.....	17
结构图	17
操作说明.....	18
安装	18
量杯抽油	18
量杯排油	18
回收废油	18
储油桶废油排空	19
维修保养服务	20
维修保养.....	20
保修服务	21
保修方式	21
声明	21
退换货服务	22
退换货	22

版权信息

版权

- 版权所有! 未征得深圳市偶然科技有限公司的书面同意, 任何公司或个人不得以任何形式 (电子、机械、影印、录制或其他形式) 对本说明书进行复制和备份。本手册专为偶然公司产品的使用而计, 对于将之用于指导其他设备操作而导致的各种后果, 本公司不承担任何责任。
 - 因使用者个人或第三方的意外事故, 滥用、误用该设备, 擅自更改, 或修理该设备, 或未按偶然公司的操作与保养要求而导致设备损坏、遗失所产生的费用及开支等, 偶然公司及其分支机构不承担任何责任。
 - **正式声明:** 本说明书所提及之其他产品名称, 目的在于说明该设备如何使用, 其注册商标所有权仍属原公司。
 - 本设备供专业技术人员或维修人员使用。
-

注册商标

偶然公司已在中国及海外若干国家进行了商标注册, 其标志为 **AUTOTOL®**。本手册所提及之偶然公司其它商标、服务标志、域名、图标、公司名称均属偶然及其下属公司之产权。在偶然公司之商标、服务标志、域名、图标、公司名称还未注册之国家, 偶然公司声明其对未注册商标、服务标志、域名、图标、公司名称之所有权。本手册所提及之其它产品及公司名称的商标仍属于原注册公司所有。在未得到拥有人的书面同意之前, 任何人不得使用偶然公司或所提及的其它公司之商标、服务标志、域名、图标、公司名称。

您可以访问偶然网址: www.autooltech.com, 或者发送邮件至: aftersale@autooltech.com, 与偶然公司进行联系, 征得其手册使用权之书面同意。

注意事项

警告

⚠ 在使用产品前, 请注意以下操作:

- ▶ 该设备出厂之前已经调试完毕合格出厂, 请勿私自更改、拆卸设备, 否则造成严重后果的, 我司不负任何责任。
- ▶ 操作过程中严禁烟火, 远离高温高压、易燃易爆场所。
- ▶ 请勿将升降杆当成移动拉手, 如调节螺丝有松动, 请按原位锁紧。
- ▶ 操作过程中如果发现软管或其它零部件泄漏, 需马上关闭气源, 然后进行详细检查, 排除故障。
- ▶ 气源压力不能低于或者超过规定压力, 以保障设备正常工作。
- ▶ 待抽取的废油温度在40~60°C之间, 小心烫伤。
- ▶ 操作过程中注意保护眼睛和手(建议戴手套及护目镜)。
- ▶ 操作过程中, 引擎必须一直处于熄火状态。
- ▶ 严禁用于抽取刹车油、汽油、柴油等含甲醇及酮类液体或易燃性液体。
- ▶ 设备抽完废油后, 及时地把量杯内的废油排到储油罐内, 以便更好的保护量杯, 延长量杯使用寿命。
- ▶ 量杯内的废油排空后, 不需要关闭量杯抽放油阀。
- ▶ 设备工作完成后, 请排空设备内压力, 做好清洁, 避免由于操作不当所造成的设备损坏及人员伤害。
- ▶ 请勿使用设备来操作此说明书未列明的功能。
- ▶ 废油要根据相关部门的有关规定妥善处理/循环利用。
- ▶ 如需维修服务请联系AUTOTOL授权经销商或客户服务中心, 请勿自行处理。
- ▶ 如果违规操作, 而造成机器损坏, 人员意外伤害的, 我司概不负责, 同时不予保修。

产品简介

产品描述

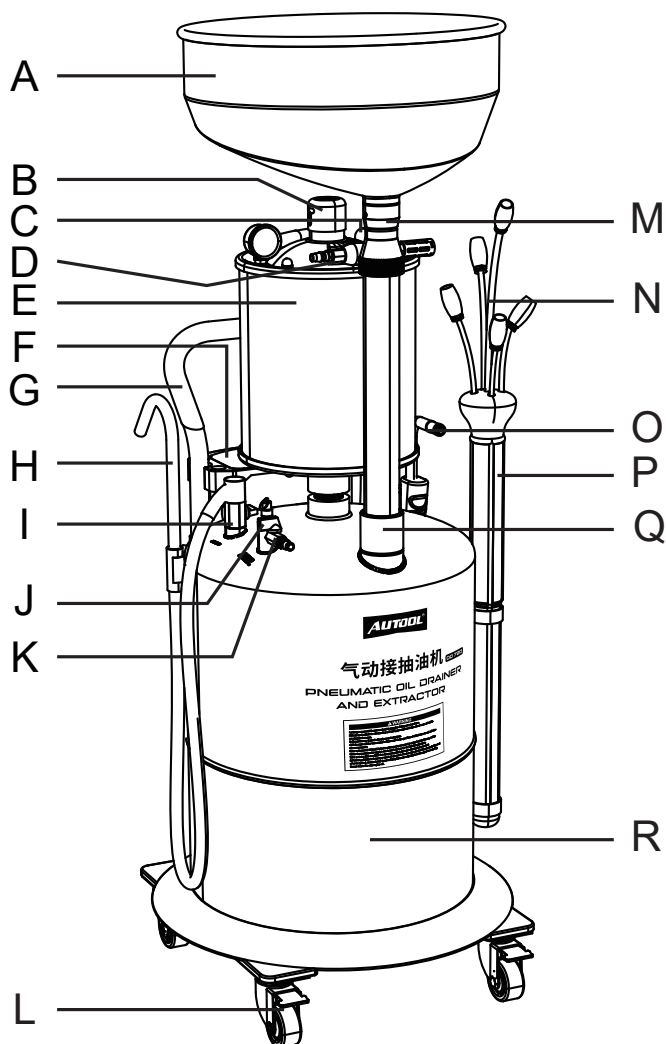
- 利用压缩空气，操作采用专利技术设计的真空发生装置对透明量杯或储油桶进行抽真空。因此，其内部会产生一定程度的真空度，在外界空气压力的作用下，通过抽油针管，可将机油抽进透明量杯或储油桶内。
- 获取真空速度快，负压能力强，属于多用途机型，在无举升设备或地沟工况下，均可使用。
- 采用高品质硬化透明量杯，具有高强度、高透明度、高耐温性、优异的耐候性和耐腐蚀等优点，量杯带刻度式设计，可一目了然地对油质进行初级观察和油量计量。
- 所有功能均以压缩空气为动力源，保证使用此设备安全、环保、低耗。
- 多种规格抽油针管，管径可满足不同种类汽车的保养需要。

技术参数

气源压力	6~8bar
排油压力	0.6~0.8bar
耗气量	150L/Min
真空度	0~65cmHg
罐体容积	70L
量杯容积	10L
接油盘容积	20L
工作油温	40~60°C
抽油针管	5根
Φ5*L700mm (Cu, 1 PCS)	抽油速度: 1.9L/Min
Φ6*L700mm (Cu, 1 PCS)	抽油速度: 3.7L/Min
Φ5*L700mm (Pvc, 1PCS)	抽油速度: 1.0L/Min
Φ6*L700mm (Pvc, 1PCS)	抽油速度: 2.0L/Min
Φ8*L700mm (Pvc, 1PCS)	抽油速度: 6.5L/Min

产品结构

结构图



A	接油盘	B	量杯按压阀门
C	安全阀	D	真空发生器/进气口
E	硬化玻璃量杯	F	收纳盒
G	拉手	H	排油管
I	排油装置	J	储油桶安全阀
K	油桶进气阀	L	带刹车万向脚轮
M	升降杆调节装置	N	抽油针管
O	抽油管	P	针管放置筒
Q	单向阀总成	R	储油桶

操作说明

安装

- 以“顺时针”旋转方向将量杯总成安装到储油桶定位座上。
 - 以“顺时针”旋转方向将升降杆及接油盘固定好。
 - 在确保量杯总成方向无误的情况下，将量杯固定好。
 - 安装完毕后请确保升降杆是在垂直于设备的位置。
 - 将升降杆调节装置逆时针转动后即可调节升降杆接油盘的上下高度，顺时针旋转收紧。
-

量杯抽油

- 将量杯按压阀门调到中间卡槽位置（阀门关闭）。
 - 将抽油软管阀门关上并接上对应车型的抽油针管。
 - 将气源接上真空发生器进气口，打开气源阀门。
 - 负压表针转到额定负压50~65cmHg。
 - 将抽油针管插入发动机舱，打开抽油软管阀门，即可抽取废油。
-

量杯排油

将量杯中的废油排到下面的储油桶。

- 当量杯油位达到警戒线后，请将量杯内废油排空。
- 按压并旋转量杯按压阀门，旋到顶部左或右卡槽位置（开启），量杯内废油自动流入储油桶内。

注意

- ▶ 为延长量杯总成的使用寿命，非储油桶排空油时，切勿关闭量杯抽放油阀门。
 - ▶ 当废油温度超过60°C时，可能会导致设备零部件损坏!
-

回收废油

- 用举升设备将汽车举升至合适高度。
- 在确保安全工作场所，将设备移动于车辆引擎下方，接油盘对准引擎放油孔。

- 旋开车辆引擎的放油栓。
 - 废油经接油盘排入储油桶内。
-

储油桶废油 排空

- 关闭量杯按压阀门。
- 关闭排油管阀门。
- 关闭油桶进气阀门。
- 将气源和油桶进气阀相连。
- 打开油桶进气阀门，向体内加压，当达到一定压力后，自动关闭单向阀。油桶内的气压超过1.0bar时，安全阀会自动卸压。
- 5秒钟后缓慢打开排油管阀门排油。
- 排油完毕后，请切断气源。

维修保养服务

您所拥有的AUTOOL产品选用持久耐用的材料，AUTOOL坚持精益求精的生产工艺，每一件产品出厂都经过35道工序及12次质检工作，从而确保每一件产品都拥有卓越的品质及性能。所以您的AUTOOL产品值得您定期维护保养，使其产品将能够长期稳定地工作。

维修保养

维护保养是为了保持产品性能和外观，我们建议您仔细阅读以下产品保养指南：

- 注意不要将产品与粗糙表面摩擦或揉搓产品，特别是钣金外壳。
- 对产品中需要紧固和连接的部位经常进行检查，如发现松动应及时紧固，以保证产品的安全运行。对与各种化学介质接触的产品外部和内部零件要经常进行除锈、喷漆等防腐处理，以提高产品的抗腐蚀能力，延长产品的使用寿命。
- 遵守安全操作规程，不超负荷使用产品。产品的安全防护装置齐全可靠，及时消除不安全因素。电路部分彻底检查，老化电线要及时更换。
- 定期清洗和更换易耗部件；调整各部位配合间隙和更换磨损（已坏）部件清洁时，避免产品接触带腐蚀性的液态物品。
- 不使用时，请将产品存放于干燥的位置。不要将产品存放在高温、潮湿或不通风的地方。

保修服务

AUTOOL主机自客户签收日起享有3年保修期。其所含附件自客户签收日起享有1年保修期。

保修方式

- 根据具体的故障情况对产品进行免费修理或更换；
- 我方保证所有更换的部件、附件或产品都是全新；
- 在客户收到产品90天内出现故障同时提供视频和图片，我方承担运费并免费提供相应配件给客户更换。收到产品超过90天，客户承担相应的费用，我方免费提供配件给客户更换；

以下情况不在免费保修范围：

- 非正规渠道购买AUTOOL的产品；
- 未按产品说明书要求使用和维护造成的损坏；

在AUTOOL，我们为精湛的设计和卓越的服务感到自豪。我们很乐意为您提供更多的支持或服务。

声明

偶然公司保留更改产品设计与规格的权利，届时恕不另行通知。实物外观与颜色可能与说明书中显示的有差别，请以实物为准。我们已尽最大努力力求使书中所有描述准确，但仍难免有不妥之处。如有疑问，请联系经销商或偶然售后服务中心。本公司对产品拥有最终解释权，不承担任何因误解而产生的后果。

退换货服务

退换货

- 如果您对从线上授权购物平台和线下授权经销商所购买的 AUTOOL 产品不满意, 根据《AUTOOL 全球销售条款》, 您可以自收到产品之日起七日内退货; 或者在产品交付之日起的 30 日内调换等值的其他产品。
- 退回及调换的产品必须处于完全可销售状态, 并附上相关销售单单据, 所有相关配件、纸质发票 (如有)。
- AUTOOL 将会对寄回退货的商品进行检查, 以确保其处于完好无损的状态并且符合条件, 相关条件详情请参阅《AUTOOL 全球销售条款》。任何未通过检查的商品将退还给您, 您将不会获得商品退款。
- 您可以通过客户服务中心或 AUTOOL 授权经销商调换产品; 退换货原则为从哪里购买, 就从哪里退换货。如果您退换货遇见困难或者阻碍, 请联系 AUTOOL 客户服务中心。通过客户服务中心退换货时, 我们建议您通过下面的方式进行:

中国区域致电	400-032-0988 / 18929303778
售后微信号	18929303778
海外区域致电	+86 0755 23304822
E-mail	aftersale@autooltech.com
Facebook	https://www.facebook.com/autool.vip
YouTube	https://www.youtube.com/c/autooltech

- 如您的退换货得到确认, 您将收到确认信息和邮件。