

PT-5721



Mini Grinder Set User's Manual

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Important!

Please carefully read the instruction in this manual as well as the general safety instruction before using this appliance, keep these manuals handy. THE VARIOUS ACCESSORIES SHOULD NOT BE LEFT WITHIN THE REACH OF CHILDREN, AVOID CAUSING DANGER.

Technical characteristics

Voltage	7.2VDC
Max. diameter	1/8
No load speed	5000~18000rpm
Battery pack	7.2V 1000mAh Type: Lithium Battery
Charging time	3-5 hours

Adaptor

Input	230V~50Hz or 120V ~60Hz
Output	DC9V 300mA

To Replace Accessories



Depress

To use the different accessories, press the shaft locking button located to the rear of chuck, unscrew it by hand, fit the chosen accessories and hand tighten the chuck again.



Brass collet	2	Ø2.4 (in the machine) Ø3.2
High speed Drills	2	3/32 Ø2.4
High speed Drill	1	1/8 Ø3.2
Engraving bits	2	Ø2.4
Diamond bits	2	Ø3.2
nylon brush	1	Ø2.4
nylon brush	1	Ø3.2
Grinding stone	2	Ø2.4
Grinding stone	2	Ø3.2
Sanding band	1	Ø2.4

Safety Instructions

IMPORTANT! When using electrical tools, the following safety Instructions should be observed to prevent the risk of electric shock, personal injury and fire. Read and observe these instructions carefully before using the tool.

- 1. Keep work area clean**
Cluttered benches invite injuries.
- 2. Consider work area environment**
Do not expose power tools to rain. Do not use power tools in damp or wet locations.
Keep work area well lit. Do not use power tools near flammable liquids or gases.
- 3. Guard against electric shock**
Prevent body contact with grounded surfaces (e.g. pipes, radiators, ranges, refrigerators, etc.).
- 4. Keep children away**
Do not let visitors contact tool or extension cord. All visitors should be kept away from work area. Please keep children away the tool and

work area.

- 5. Store tools**
When not in use, tools should be stored in a dry, high, or locked-up place, out of the reach of children.
- 6. Do not force tool**
It will do a better job and operate more safely at the rate for which it was intended.
- 7. Use right tool**
Do not force small tools or attachments to do the job of a heavy duty tool. Do not use tools for other than their intended purpose; for example, do not use a circular saw for cutting tree limbs or logs.
- 8. Dress properly**
Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear is recommended when working outdoors. Wear protective hair covering to contain hair.
- 9. Use safety glasses**
Also, use a dust mask during pulverizing operations and wear ear protection. If the noise level. Exceeds 70dB(A), ear protection is obligatory. Indicated noise levels may be exceeded depending on the working environment and the material to be treated.
- 10. Use dust extraction**
If dust extraction and collection devices are present on the tool, make sure that they will be used properly.
- 11. Do not abuse cord**
Never carry tool by cord or yank it to disconnect it from wall outlet. Keep cord from heat, oil and sharp edges.
- 12. Secure work**
Use clamps or a vise to hold the workpiece. It is safe and it frees both hands to operate tool.
- 13. Do not overreach**
Keep proper footing and balance at all times.
- 14. Maintain tools with care**
Keep tools sharp and clean for better and safe performance. Follow instructions for lubricating and changing accessories. Inspect tool periodically and, if damaged, have them repaired by an authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free from oil and grease.
- 15. Disconnect tools**
Disconnect tools when not in use, before servicing, and when changing accessories such as blades, bits and cutters.
- 16. Stay alert**
Watch what you are doing. Use common sense. Do not operate tool when you are tired.
- 17. Check damaged parts**

Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. Do not use tool if the power switch is on but the machine does not work.

18. Warning

The use of any other accessories or attachment other than recommended in the instruction manual may present a risk of personal injury.

19. Have your tool repaired by an expert

This electric appliance is built accordance with the relevant safety rules. Repair of electric appliances must only be carried out by experts otherwise it may cause considerable danger for the user.

20. Store these instructions for future reference.**Assembly and operation****Mounting an accessory**

Keep the spindle lock button depressed. Loosen the collet nut. Insert the shaft of the accessory into the collet and tighten the collet nut. Release the spindle lock button in order to remove the accessory, proceed in reverse order.

Replacing the collet

Keep the spindle lock button depressed. Loosen the collet nut. Remove the collet nut and the old collet. Place the new collet in. Replace the collet nut and tighten the collet nut. Release the spindle lock button.

CAUTION! Always Unplug the tool and switch off before replacing the collet; Choose a low speed at first for working; never press the lock button while the machine is running

Polishing. A polishing wheel is set for polishing metal and plastic workpieces. A mandrel is used for mounting a polishing wheel. Place the mandrel in the collet nut. Place a polishing wheel on the screw.

Rouging. A router bit is used for grooving and for routing figures in plastic, wooden and metal workpieces. Place a router bit in the collet nut.

Grinding and sanding. A grinding stone is used for grinding metal, plastic, wooden and the stone workpieces, A sanding band is used for sanding wooden and plastic workpieces. Place a grinding stone or sanding band with mandrel in the collet nut. A sanding band must be replaced when

showing signs of wear. Remove the old sanding band from the mandrel. Place the new sanding band on the mandrel

Clamp all tools as short as possible, Shafts, which stick out too far will easily bend causing the machine to vibrate.

Maintenance**Caution:**

- Pull out the plug before maintenance
- Keep the machine clean
- Keep the air vent unimpeded
- Do not use the sharp material to clean the machine
- Do not let liquid enter into the machine to prevent it from rust

Have your power tool serviced by a qualified repair person using only identical re-placement parts. This will ensure that the safety of the power tool is maintained.

Rechargeable battery and charger safety recommendations

Do not expose the battery and charger to moisture. Do not operate in the open stand. When the machine is not in use or cleaning, maintenance, please unplug the charger from the power source. To protect the battery, avoid high impact to casing, and do not squeeze too hard. Protect the battery from excessive heat and cold. If any part is damaged, do not open and try to repair, it should be sent to specialized service center by professional repair technicians.

When charging the battery ambient temperature should be kept between 10 °C to 40 °C. If fully charged battery is used, the ambient temperature is best kept between 10 °C to 50 °C. When the battery is no longer in use, put it in a relatively dry environment between 10 °C to 30 °C, the most appropriate.

Do not put machine with other liquid materials together, as the battery will be easy to get wet and could burn or explode causing damage.

Do not put batteries into water or fire, it may cause an explosion. When ready to discard spent battery, please bring to a qualified battery recycling /disposal point. Batteries should never be disposed of with normal household or industrial trash.



PT-5721 7.2V 充電式鋰電池電磨組

操作手冊

注意!

使用設備前，請仔細閱讀本手冊中的說明以及一般的安全指示。熟練掌握操作規範，各種配件應該放置在兒童觸及不到的地方，避免造成危險。

技術參數

額定電壓	DC 7.2V
空載轉速	5000-18000rpm
鑽頭尺寸	1/8
電池包	7.2V 1000mAh 類型: 鋰電池
充電時間	3-5 小時

變壓器

輸入	230V~50Hz 或者 120V ~60Hz
輸出	DC9V 300mA

更換配件



壓下鎖定按鈕

更換配件時，按下紅色主軸鎖定按鈕，鬆開夾頭螺母的主軸旋鈕，插入選擇的配件，按下紅色主軸鎖定按鈕旋緊夾頭螺母。

配件圖



夾頭	2	Ø2.4(裝入本體)	Ø3.2
鑽頭	2	3/32	Ø2.4
鑽頭	1	1/8	Ø3.2
金剛石磨頭	2	Ø2.4	
金剛石磨頭	2	Ø3.2	
杯狀尼龍刷	1	Ø2.4	
盤狀尼龍刷	1	Ø3.2	
氧化鋁大磨頭	2	Ø2.4	
氧化鋁小磨頭	2	Ø3.2	
小砂圈	1	Ø2.4	

安全事項

注意！當使用電動工具時，應遵守以下安全指示，以防止觸電及造成人身傷害和火災事故。

仔細閱讀及遵守這些指示：

1. **保持工作環境整潔**
髒亂的環境容易導致人事傷害。
2. **考慮工作區環境**
不要在雨中使用電動工具；不要在潮濕的地方使用，保持工作區的乾燥；不要在接近易燃氣體或者液體的地方使用。
3. **警惕觸電**
防止身體接觸接地物表面（如水管、散熱器、冰箱等）
4. **遠離兒童**
不要讓無關者接觸工具及延長電源線，所有無關者應該遠離工作區。妥善儲存工具不使用時，工具應當被放在乾燥，高處或者帶鎖的地方，避免兒童觸及。
5. **不要違規操作**
根據機器本身的工作原理，以適當的速度操作時，機器使用更為安全和容易。
6. **適當使用工具**
不要使用小型工具去操作違背其使用範圍的工作，例如：不使用圓鋸切割樹枝或圓木。
7. **穿著得體**
不要穿著過於寬鬆或者佩戴首飾，在操作中可能被勾住。在戶外，推薦使用防滑類鞋、橡膠手套及戴上束發頭罩。
8. **使用安全眼鏡**
在操作中需佩戴除塵口罩和耳塞，如果噪音超出 70 分貝，須帶護耳套。測量噪音水準可以取決於工作環境及工作物件的質。
9. **使用除塵裝置**
如果在工具上裝有除塵或者收集裝置，必須確保這些裝置運用得當。
10. **不可用電源線來提工具**
不可直接拉電源線把插頭由插座上拔下，不可提拉電源線移動工具或充電座，不要讓電源線接觸熱源、油和尖銳物。
11. **安全作業**
將工件夾在臺鉗上，可以更安全，並騰出雙手工作。
12. **不要勉力而為：確保作業時站穩，保持身體平衡。**
13. **工具的維護及日常護理（見後頁說明）**
14. **斷開電源：**

停止使用或者更換配件，如刀片、批頭等時，要妥善切斷開關。

15. **保持警覺**
工作期間，時刻保持清醒意識，不要在過度勞累時操作。
16. **檢查部件**
每次使用工具前，應當仔細檢查各部件，必要時更換，確保其將正常運行和發揮預定功能。若開關啟動後不作動，請不要繼續嘗試使用工具。
17. **警告**
擅自使用說明書介紹以外的任何配件，都可能造成人身傷害。
18. **維修、維護**
此電器是按照有關安全規則製造的，修理電器僅限於授權的專業人員進行，否則會造成人身傷害。

裝配及操作**一、安裝配件：**

- ① 按下紅色主軸鎖定按鈕鬆開夾頭螺母
 - ② 把配件杆插入夾頭中
 - ③ 鎖緊夾頭
 - ④ 釋放紅色主軸鎖定按鈕
- 移除配件時，按照步驟倒序進行。

二、更換夾頭

- ① 按住紅色主軸鎖定按鈕
- ② 放鬆夾頭螺母
- ③ 移除舊夾頭螺母及夾頭
- ④ 放入新夾頭
- ⑤ 裝上夾頭螺母
- ⑥ 擰緊夾頭螺母
- ⑦ 放開紅色主軸鎖定按鈕

注意！

替換夾頭時，務必要關閉開關。

開始工作時，要先把轉速調低，在工具旋轉時，嚴禁按下鎖定按鈕。

三、功能說明：

拋光：拋光輪用於拋光金屬和塑膠件。

刻鏢：雕刻頭可用來在金屬、木材和塑膠，工作上進行刻銑和切割。

打磨和打砂：可用磨頭或砂圈在金屬、木材和塑膠上進行打磨或砂光。砂圈在磨損後可進行更換。

注意：裝卡時，儘量把磨頭靠近夾頭，軸外露越長，轉動時偏擺越大。

維護保養

1. 保持每次充電確實完成。
2. 保存工具通風良好，避免受潮。
3. 清潔時不用刺激性物品。
4. 防止液體和灰塵進入機身。
5. 選用合格的配件。

充電電池及充電器的安全建議

防止電池及充電座受潮，避免在戶外使用充電座。當機器未使用時或是清潔、維修前，請從電源上拔掉充電器並保護好電池，避免高空掉落後碰到堅硬的物體表面，同時不要受到外在力的擠壓，保護電池遠離過度的熱與冷。

如果發現有零件損壞，不要擅自打開及嘗試維修，而是應該送到專門的維修中心由專業的技術人員進行修理。

電池充電時周圍的環境溫度應該保持在 10°C 到 40°C 之間，充好電的電池被使用時周圍環境溫度最好保持在 10°C 到 50°C 之間，當電池不再使用時，最好把它放在一個比較乾燥溫度 10°C 到 30°C 之間最為適宜。

不要把機器和其他液狀材料放在一起，那樣會使電池受潮短路，電池會因為過熱開始燃燒或是爆炸。

不要把電池放入水和火中，會引起爆炸。不管電池是否還能使用，都不應該被丟棄，根據電池使用規則，應該妥善收存再交由專門收集廢電池的機構做廢棄物處理。

Pro'sKit®



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