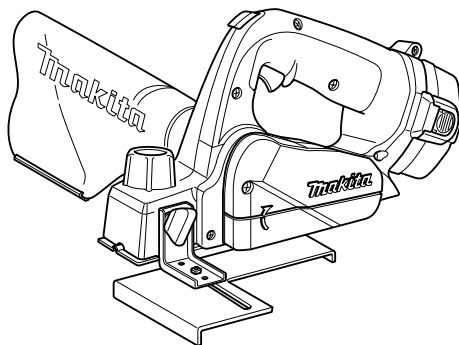


INSTRUCTION MANUAL



# Cordless Power Planer

1051D



002541

**⚠WARNING:**

For your personal safety, READ and UNDERSTAND before using.  
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

## ENGLISH (Original instructions)

# SPECIFICATIONS

Model	1051D
Planing width	50 mm
Planing depth	0.5 mm
Shiplapping depth	15 mm
No load speed (min <sup>-1</sup> )	9,000
Overall length	297 mm
Net weight	2.3 kg
Rated voltage	D.C. 14.4V

- Due to our continuing programme of research and development, the specifications herein are subject to change without notice.
- Specifications and battery cartridge may differ from country to country.
- Weight, with battery cartridge, according to EPTA-Procedure 01/2003

END004-4

ENG901-1

## Symbols

The following show the symbols used for the equipment. Be sure that you understand their meaning before use.



- Read instruction manual.

- Only for EU countries

Do not dispose of electric equipment or battery pack together with household waste material!

In observance of European Directive 2002/96/EC on waste electric and electronic equipment, 2006/66/EC on batteries and accumulators and waste batteries and accumulators and their implementation in accordance with national laws, electric equipment and battery pack that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

ENE001-1

## Intended use

The tool is intended for planing wood.

ENG104-2

## Noise

The typical A-weighted noise level determined according to EN60745:

Sound pressure level ( $L_{pA}$ ) : 73 dB(A)

Uncertainty (K) : 3 dB(A)

The noise level under working may exceed 80 dB (A).

**Wear ear protection.**

ENG242-1

## Vibration

The vibration total value (tri-axial vector sum) determined according to EN60745:

Work mode : planing softwood

Vibration emission ( $a_{h1}$ ) : 2.5 m/s<sup>2</sup> or less

Uncertainty (K) : 1.5 m/s<sup>2</sup>

- The declared vibration emission value has been measured in accordance with the standard test method and may be used for comparing one tool with another.
- The declared vibration emission value may also be used in a preliminary assessment of exposure.

## ⚠WARNING:

- The vibration emission during actual use of the power tool can differ from the declared emission value depending on the ways in which the tool is used.
- Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

ENH101-13

## For European countries only

### EC Declaration of Conformity

**We Makita Corporation as the responsible manufacturer declare that the following Makita machine(s):**

Designation of Machine:  
Cordless Power Planer

Model No./ Type: 1051D  
are of series production and

### Conforms to the following European Directives:

98/37/EC until 28th December 2009 and then with  
2006/42/EC from 29th December 2009

And are manufactured in accordance with the following standards or standardised documents:

EN60745

The technical documentation is kept by our authorised representative in Europe who is:

Makita International Europe Ltd,

Michigan, Drive, Tongwell,  
Milton Keynes, MK15 8JD, England

30th January 2009



000230

Tomoyasu Kato  
Director  
Makita Corporation  
3-11-8, Sumiyoshi-cho,  
Anjo, Aichi, JAPAN

GEA006-2

## General Power Tool Safety

### Warnings

**⚠ WARNING** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

### Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

#### Work area safety

1. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

#### Electrical safety

4. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
5. **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
6. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
7. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords

increase the risk of electric shock.

8. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
9. **If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply.** Use of an GFCI reduces the risk of electric shock.

#### Personal safety

10. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
11. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
12. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
13. **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
14. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
15. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
16. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

#### Power tool use and care

17. **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
18. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

19. **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
20. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
21. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
22. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
23. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

#### **Battery tool use and care**

24. **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
25. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
26. **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
27. **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

#### **Service**

28. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
29. **Follow instruction for lubricating and changing accessories.**
30. **Keep handles dry, clean and free from oil and grease.**

## **CORDLESS PLANER SAFETY WARNINGS**

1. **Wait for the cutter to stop before setting the tool down.** An exposed cutter may engage the surface leading to possible loss of control and serious injury.
2. **Use clamps or another practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body leaves it unstable and may lead to loss of control.
3. **Rags, cloth, cord, string and the like should never be left around the work area.**
4. **Avoid cutting nails. Inspect for and remove all nails from the workpiece before operation.**
5. **Use only sharp blades. Handle the blades very carefully.**
6. **Be sure the blade installation bolts are securely tightened before operation.**
7. **Hold the tool firmly with both hands.**
8. **Keep hands away from rotating parts.**
9. **Before using the tool on an actual workpiece, let it run for a while. Watch for vibration or wobbling that could indicate poor installation or a poorly balanced blade.**
10. **Make sure the blade is not contacting the workpiece before the switch is turned on.**
11. **Wait until the blade attains full speed before cutting.**
12. **Always switch off and wait for the blades to come to a complete stop before any adjusting.**
13. **Never stick your finger into the chip chute. Chute may jam when cutting damp wood. Clean out chips with a stick.**
14. **Do not leave the tool running. Operate the tool only when hand-held.**
15. **Always change both blades or covers on the drum, otherwise the resulting imbalance will cause vibration and shorten tool life.**
16. **Use only Makita blades specified in this manual.**
17. **Always use the correct dust mask/respirator for the material and application you are working with.**

## **SAVE THESE INSTRUCTIONS.**

### **⚠WARNING:**

**DO NOT** let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product.

**MISUSE** or failure to follow the safety rules stated in this instruction manual may cause serious personal

injury.

ENC004-2

## IMPORTANT SAFETY INSTRUCTIONS

### FOR BATTERY CARTRIDGE

1. Before using battery cartridge, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.
2. Do not disassemble battery cartridge.
3. If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.
4. If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away. It may result in loss of your eyesight.
5. Always cover the battery terminals with the battery cover when the battery cartridge is not used.
6. Do not short the battery cartridge:
  - (1) Do not touch the terminals with any conductive material.
  - (2) Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.
  - (3) Do not expose battery cartridge to water or rain.  
A battery short can cause a large current flow, overheating, possible burns and even a breakdown.
7. Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50 ° C (122 ° F).
8. Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.
9. Be careful not to drop or strike battery.
10. Do not use dropped or struck battery.

## SAVE THESE INSTRUCTIONS.

### Tips for maintaining maximum battery life

1. Charge the battery cartridge before completely discharged.  
Always stop tool operation and charge the battery cartridge when you notice less tool power.
2. Never recharge a fully charged battery cartridge.  
Overcharging shortens the battery service life.

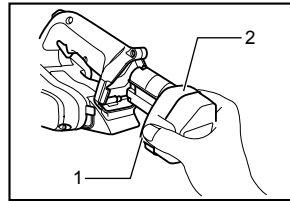
3. Charge the battery cartridge with room temperature at 10 ° C - 40 ° C (50 ° F - 104 ° F). Let a hot battery cartridge cool down before charging it.
4. Charge the Nickel Metal Hydride battery cartridge when you do not use it for more than six months.

## FUNCTIONAL DESCRIPTION

### ⚠CAUTION:

- Always be sure that the tool is switched off and the battery cartridge is removed before adjusting or checking function on the tool.

### Installing or removing battery cartridge

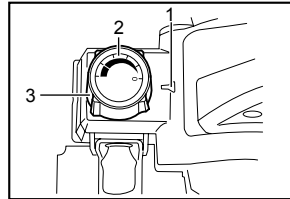


1. Button
2. Battery cartridge

002545

- Always switch off the tool before insertion or removal of the battery cartridge.
- To remove the battery cartridge, withdraw it from the tool while pressing the buttons on both sides of the cartridge.
- To insert the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Always insert it all the way until it locks in place with a little click. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.
- Do not use force when inserting the battery cartridge. If the cartridge does not slide in easily, it is not being inserted correctly.

### Adjusting depth of cut



1. Pointer
2. Scale
3. Knob

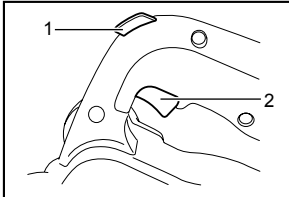
002547

The depth of cut can be adjusted in 0.1 mm increments within a range of 0 - 0.5 mm. Turn the knob on the front of the tool until the pointer is aligned with the desired cutting depth on the scale.

**⚠CAUTION:**

- The knob can be turned beyond the 0.5 mm graduation. However, do not operate the tool with a depth of cut more than 0.5 mm. The motor may be burned out or the battery cartridge may be damaged.

**Switch action**



002551

1. Lock-off button
2. Switch trigger

**⚠CAUTION:**

- Before inserting the battery cartridge into the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

To prevent the switch trigger from being accidentally pulled, a lock-off button is provided.

To start the tool, depress the lock-off button and pull the switch trigger. Release the switch trigger to stop.

**ASSEMBLY**

**⚠CAUTION:**

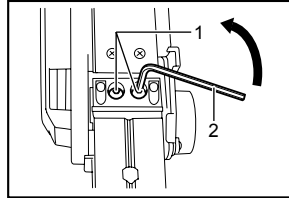
- Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.

**Removing or installing planer blades**

**⚠CAUTION:**

- Tighten the blade installation bolts carefully when attaching the blades to the tool. A loose installation bolt can be dangerous. Always check to see they are tightened securely.
- Handle the blades very carefully. Use gloves or rags to protect your fingers or hands when removing or installing the blades.
- Use only the Makita wrench provided to remove or install the blades. Failure to do so may result in overtightening or insufficient tightening of the installation bolts. This could cause an injury.

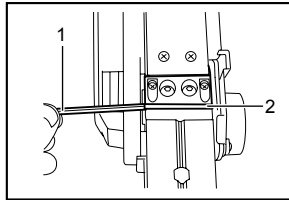
To remove the blades, first loosen the two installation bolts one turn counterclockwise with the hex wrench.



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1. Installation bolts
2. Hex wrench

Push the blade from the belt side with the hex wrench. Remove the other blade in the same manner.

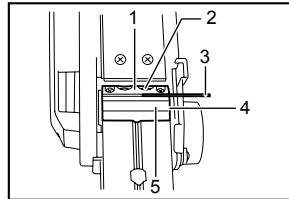


002558

1. Hex wrench
2. Planer blade

To install the blades, first clean out all chips or foreign matter adhering to the drum or blades. Insert the blade between the drum and the drum cover from the side opposite the belt so that the blade end will protrude slightly from the side of the drum.

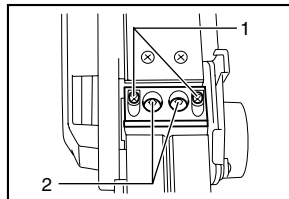
Tighten the two installation bolts securely with the hex wrench.



002559

1. Drum cover
2. Installation bolts
3. Planer blade
4. Side of drum
5. Drum

**Blade height adjustment**



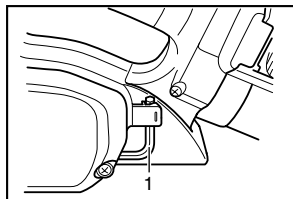
002567

1. Pan head screws
2. Installation bolts

Blade height adjustment is usually not necessary. However, if you notice that the blade edge is below the level of the rear base or protrudes too far from the rear base, proceed as follows.

Loosen the two installation bolts. Turn the pan head screws clockwise to retract the blade or counterclockwise to protrude it. After adjusting the blade height, tighten the two installation bolts securely.

### Hex wrench storage

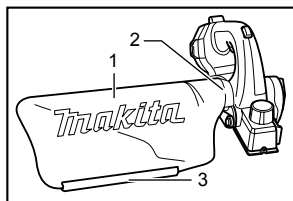


1. Hex wrench

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When not in use, store the hex wrench as shown in the figure to keep it from being lost.

### Dust bag



1. Dust bag
2. Nozzle
3. Fastener

002572

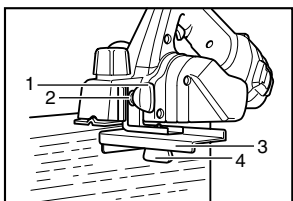
Install the dust bag on the nozzle of the tool. When installing it, push the bag's entry port toward the nozzle as far as it will go to prevent it from coming off during operation.

For the best results, empty the dust bag when it becomes about half full. Remove the dust bag from the tool and pull out the fastener.

### NOTE:

- If you connect a Makita vacuum cleaner to this tool, more efficient and cleaner operations can be performed.

### Edge fence (Guide rule)



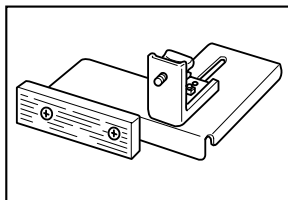
1. Thumb screw (A)
2. Washer
3. Edge fence
4. Thumb screw (B)

002573

Use the edge fence when shiplapping (rabbeting) or cutting workpieces nearly 50 mm wide. Install the edge fence on the tool and secure it with the washer and

thumb screw (A). Loosen the thumb screw (B) and adjust the edge fence until it comes in contact with the side of the workpiece. Then tighten the thumb screw (B) securely.

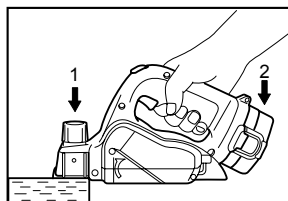
You may wish to add to the length of the fence by attaching an extra piece of wood. Convenient holes are provided in the fence for this purpose.



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## OPERATION

### Planing operation



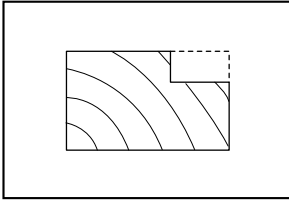
1. Start
2. End

002577

First, rest the tool front base flat upon the workpiece surface without the blades making any contact. Switch on and wait until the blades attain full speed. Then move the tool gently forward. Apply pressure on the front of tool at the start of planing, and at the back at the end of planing. Planing will be easier if you incline the workpiece in stationary fashion, so that you can plane somewhat downhill.

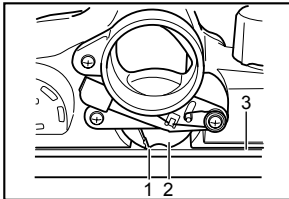
The speed and depth of cut determine the kind of finish. The power planer keeps cutting at a speed that will not result in jamming by chips. For rough cutting, the depth of cut can be increased, while for a good finish you should reduce the depth of cut and advance the tool more slowly.

## Shiplapping (Rabbeting)



002580

To make a stepped cut as shown in the figure, use the edge fence (guide rule). Draw a cutting line on the workpiece. Align the blade edge with the cutting line. Then adjust the edge fence as explained in the "Edge fence" section.



1. Blade edge
2. Side of drum
3. Cutting line

002581

When planing, move the tool with the edge fence flush with the side of the workpiece. Otherwise uneven planing may result.

Maximum shiplapping (rabbeting) depth is 15 mm.

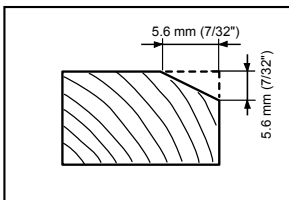
### ⚠CAUTION:

- Before shiplapping, adjust the blade so that the end protrudes slightly from the side of the drum.

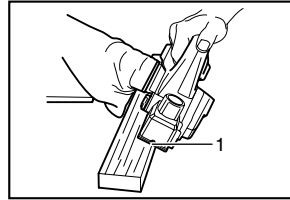
## Chamfering

To make a chamfering cut as shown in the figure, align the "V" groove in the front base with the edge of the workpiece and plane it.

It chamfers up to 5.6 mm in a single pass.



002585



1. V groove

002586

## MAINTENANCE

### ⚠CAUTION:

- Always be sure that the tool is switched off and the battery cartridge is removed before attempting to perform inspection or maintenance.
- Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized Service Centers, always using Makita replacement parts.

## ACCESSORIES

### ⚠CAUTION:

- These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita Service Center.

- Mini planer blade
- Dust bag
- Various type of Makita genuine batteries and chargers



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Makita Corporation Anjo, Aichi, Japan