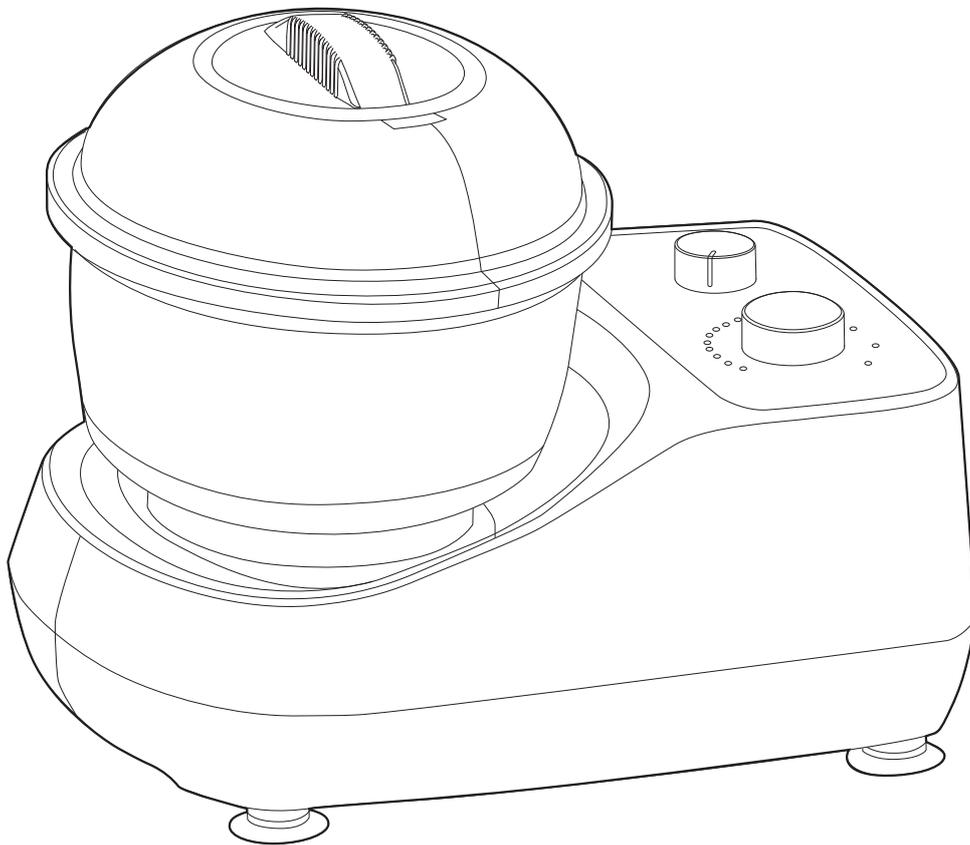


# ● KNEADER Kneader for Bread

Model Number: PK660DW

User's Manual



## Consumer Use

Thank you for purchasing this product. Please carefully store this User's Manual so that it is possible to retrieve it immediately when necessary. Please use this Kneader for Bread after thoroughly reading and understanding this User's Manual.

This was designed only for AC220V and should not be used in other countries where the voltage and frequency vary. After sales-service for this appliance is not available.



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# Safety Precautions: Please Always Follow

The precautions given here contain important safety information to prevent harm or damage to you and other people, so please make sure to always follow these.

- We have divided the information relating to what will occur in the event of the incorrect usage of this product as below.

 <b>Warning</b>	Warnings indicate there is a possibility of a serious injury or death in the event of the incorrect usage of this product
 <b>Caution</b>	Cautions indicate there is a possibility of an injury or physical damage in the event of the incorrect usage of this product

## Marks Used in this User's Manual

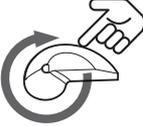
- The meaning of the marks (pictures) used in this User's Manual is as below.

	Please never do.		Please avoid using this product near fires.		Please always unplug the plug from the outlet.
	Please do not touch with your hands.		Please avoid using this product in places with spraying water.		Please do not insert plugs with wet hands.
	Repairs should not be carried out by anyone other than repair technicians. Furthermore, please never remodel this product.		Please always operate this product in accordance with the instructions.		

Please aim to avoid the occurrence of accidents by following what is written on the warnings and cautions when using this product. Moreover, users/managers of this product should please not let anyone who does not understand this product use it.

 <b>Warnings</b>	
 <b>Remove dust from the plug</b> Using the plug with dust stuck to it may cause electric shocks or fires.	 <b>Do not damage or process the power cord</b> If you use a power cord that has been damaged or processed, it may cause electric shocks or fires.
 <b>Do not forcibly bend or pull out the power cord</b> If the power cord becomes damaged, it may cause electric shocks or fires.	 <b>Do not insert the plug with wet hands</b> Do not insert the plug with wet hands
 <b>Do not place things on the power cord or step on it</b> Please do not route the power cord in locations where people frequently come and go. If the power cord becomes damaged, it may cause electric shocks or fires.	

## ⚠ Warnings

<p> Never wash the body of the kneader with water</p> <p>If water gets into the body of the kneader, it may cause electric shocks or malfunctions.</p>	<p> Unplug the plug except when in use (including during mounting, detaching and maintenance)</p> <p>Failure to do so may cause an injury. If you need to perform maintenance on the body of the kneader, please do so after unplugging the plug from the outlet.</p>
<p> Do not touch the blade during rotation</p> <p>This may cause an injury. Please refrain from using this kneader in places in the reach of infants and young children especially. If you need to put your hands into the pot, please only do so after stopping the rotation of the blade.</p> 	<p> Do not disassemble or modify</p> <p>Disassembling or modifying this kneader may cause abnormalities or fires. Moreover, there are parts with a high voltage for which there is a danger of electric shocks and other dangerous parts in this product, so there is a risk this may cause injury or death. Please inquire at shop where purchased for internal inspections, adjustments and repairs other than those described in this User's Manual.</p>
<p> Use an AC 220V-only outlet for the power supply</p> <p>Failure to do so may cause electric shocks or malfunctions.</p>	<p> Do not overload electrical outlets</p> <p>Going over the allowable electric current may cause electric shocks or malfunctions.</p>

## ⚠ Cautions

<p> Do not use this product in unstable locations or on tables dirty with flour/oil</p> <p>If this product falls over or down, it may cause an injury. Please always use this kneader in a horizontal and stable state. In addition, we recommend you wipe the bottom of the legs of this product prior to use.</p>	<p> Please use pot cover when putting ingredients over 60°C</p> <p>It may cause a burn from boiling over.</p>
<p> Do not use this product near walls and furniture</p> <p>If you use this product in close contact with walls or furniture, the motor will not be cooled sufficiently and this may cause overheating or malfunctions. There is also a possibility of deformation or discoloration to walls or furniture, so please use this product at least 5cm away from the surface of walls.</p>	<p>  Do not use this product near fires or spraying water</p> <p>If this product gets caught on fire or water gets into its body, it may lead to electric shocks.</p>
<p> Do not let children use this product by themselves; do not use this product within the reach of infants</p>	<p> Do not use amounts of ingredients greater than those specified</p> <p>This will be a great burden on the motor and so may cause malfunctions.</p>
<p> Do not place anything on top of the pot cover</p> <p>Things placed on the top of the pot cover may fall down due to the vibrations during operation and this may cause damage or an injury.</p>	<p> Do not get water on the operation panel</p> <p>This may cause a malfunction in the electrical circuits. Please immediately wipe with a dry cloth if the operation panel gets wet.</p>

## Usage Requests

<p>◆ Please immediately turn off the power switch, unplug the plug and then inquire at shop where purchased in the situations below.</p> <ul style="list-style-type: none"> <li>- If the breaker frequently turns "OFF"</li> <li>- If the kneader does not operate even when you press the button</li> <li>- If the power cord or plug becomes damaged or frayed</li> <li>- If the kneader becomes deformed due to falling over</li> <li>- If a liquid gets into the body (frame) of the kneader</li> <li>- If it was exposed to wind and rain for an amount of time</li> <li>- If there is smoke, an abnormal smell or the kneader does not operate properly even though you are operating it in accordance with this User's Manual</li> <li>- If a danger arises, such as a hand or foreign substance getting caught up in the blade</li> </ul>	<p>◆ Important information for safety is described on the warning labels attached to this product, so please use while following the points below.</p> <ul style="list-style-type: none"> <li>- Please use this product in a state in which it is possible to read the labels affixed to it at all times. Moreover, please do not cover these labels with other equipment.</li> <li>- Do not remove or alter these labels.</li> <li>- If these labels become dirty or damaged, we recommend replacing them with new ones. Please inquire at shop where purchased if you need new labels.</li> </ul>
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# Names and Functions of Parts

## Names of the Main Parts

- **Domed pot cover**

(Plastic PMP)

The small lid in the center can also be opened and closed.

- **Plug**

(Please use an outlet with a current of 220V / 7A or greater)

- **Power Cord**

- **Operation unit**

- **Kneading Blade**

(Plastic PP)

- **Pot**

(Plastic PMP)

- **Body of the kneader**

(Plastic ABS)

- **Power Switch**

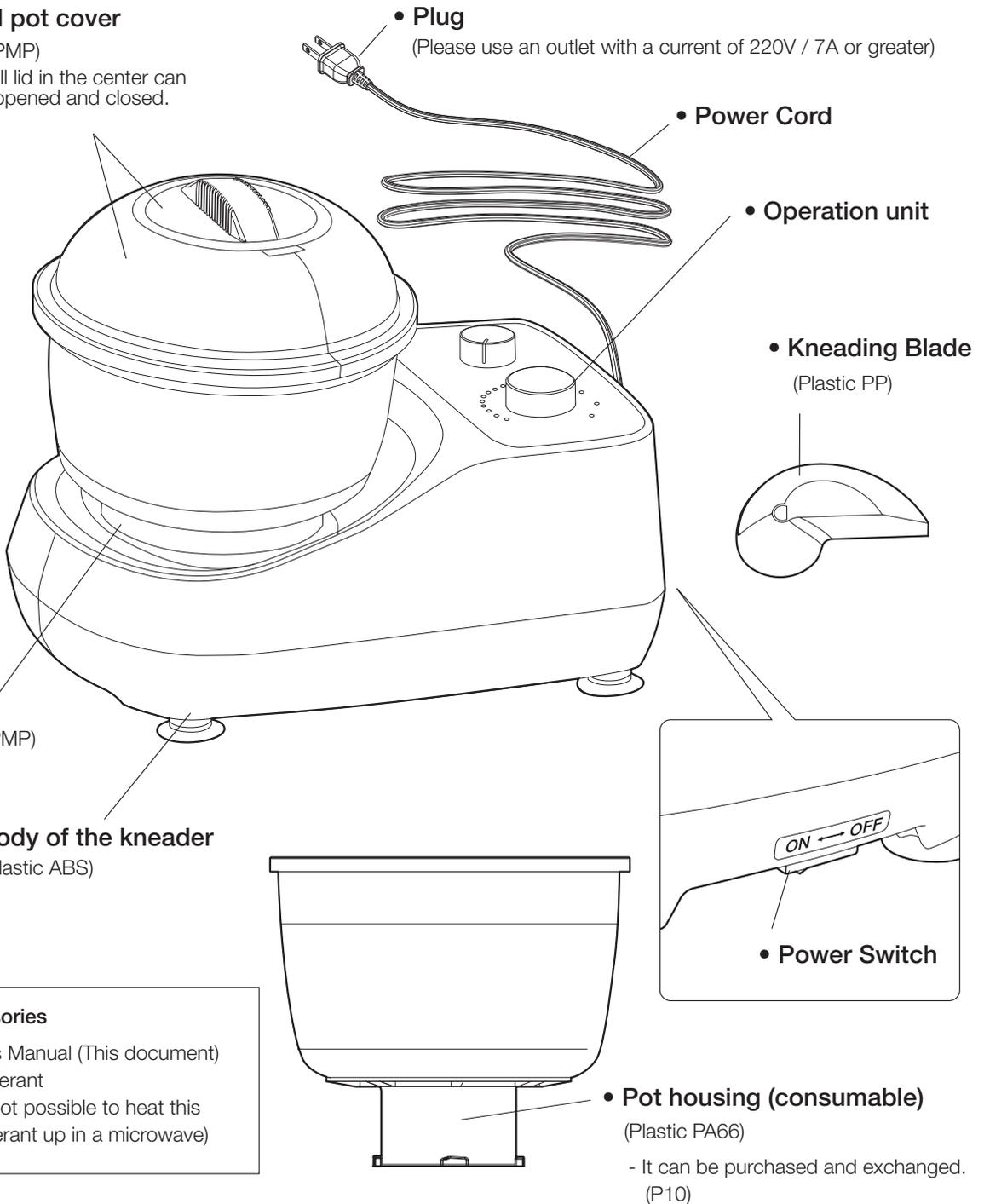
### Accessories

- User's Manual (This document)
- Refrigerant  
(It is not possible to heat this refrigerant up in a microwave)

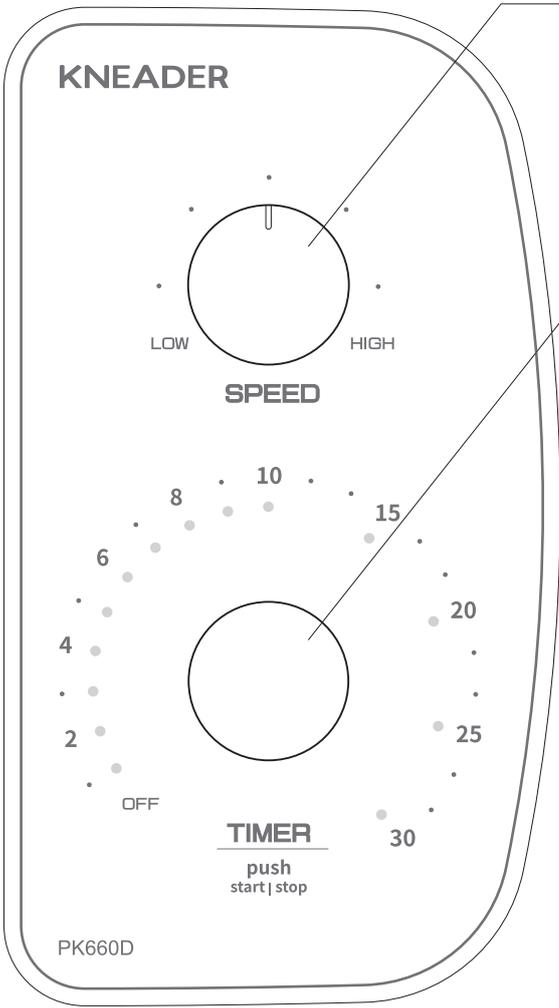
- **Pot housing (consumable)**

(Plastic PA66)

- It can be purchased and exchanged.  
(P10)



# Operation Unit



### SPEED knob

You can adjust the speed.  
(The speed could also be adjusted while operating)  
\* 0 to 390 rotations per minute (No-load)

### TIMER knob

- ① You can adjust the timer.  
(It can also be adjusted while operating.)
- ② You can start or stop by pushing the knob

# Before You Begin Making Bread Dough

## Features of the Kneader for Bread

### (1) The blade was made for bread dough

This product makes delicious bread dough by kneading it perfectly by the "special blade(patented)" that is attached to the Pot.

### (2) Pot placement which considered temperature control

The pot is placed outside the main part to be able to control the temperature. Which is most important in baking bread.

It is possible to adjust the dough temperature with a special refrigerant.

Please wrap the refrigerant around the pot when you want to adjust the dough temperature by cooling in a refrigerator beforehand.

(This cannot be heated up in a microwave, so please warm up in hot water and then use.)

### (3) Timer control of the dough baking process

You can arrange the baking process.

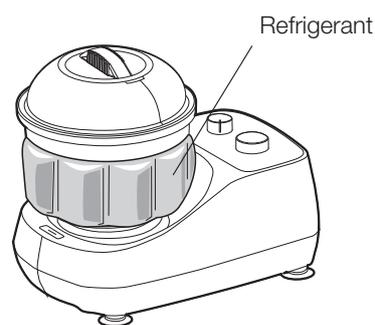
### (4) Simple maintenance

The pot and blade can be completely washed because they can be removed.

### (5) Amounts that can be made at a time

**Wheat flour 250~600g**

Please be sure to keep the amount written above. It may cause some difficulties to knead and cause it to break.



#### How to Attach the Refrigerant

Please firmly hold in place with the hook and loop fastener

## The basic knowledge of bread baking

### (1) Bread dough is sensitive to the temperature

The room temperature and water temperature has an impact on the fermentation and affects the finish to the bread.

**[Guide to the ideal water temperature] Summer: 15-20°C / Winter: 30-35°C**

### (2) Restore ingredients to room temperature

In particular, if you use butter, milk and eggs while they are still cold, the dough temperature will lower and this will have an impact later on the fermentation and maturation.

### (3) Accurately weight ingredients

If you make a mistake with the weighing, this will have an effect on the finish – the dough will be too hard or too soft.

## Bread Making Tools

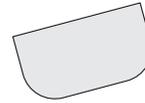
- **The tools you need to have at the minimum**

(1) Dough making: Scales, rubber spatula and thermometer

(2) Separating and molding: Rolling Pin and dough scraper

- **Other desirable tools**

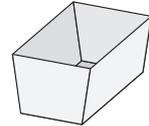
Spray, brush, lame and baking pan (loaf pan, etc)



Dough scraper



Lame

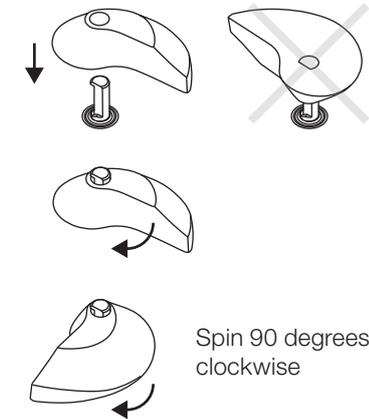
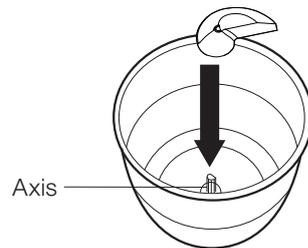


Baking pan

## Kneader for Bread Preparation

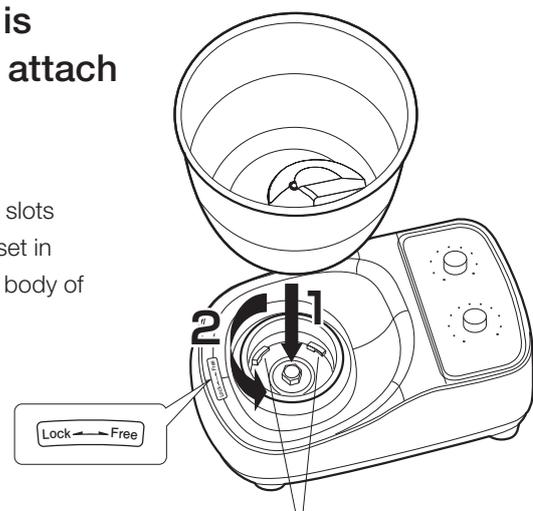
### 1 Attach the blade to the pot

Place the blades hole to the peg in the center of the Pot.



### 2 Be sure to check if the power plug is disconnected from the outlet, then attach the pot to the body of the kneader

Please insert the bottom of the pot into the pot mounting slots on the body of the kneader and then firmly turn until it is set in place in the "LOCK" direction (see the label affixed to the body of the kneader).



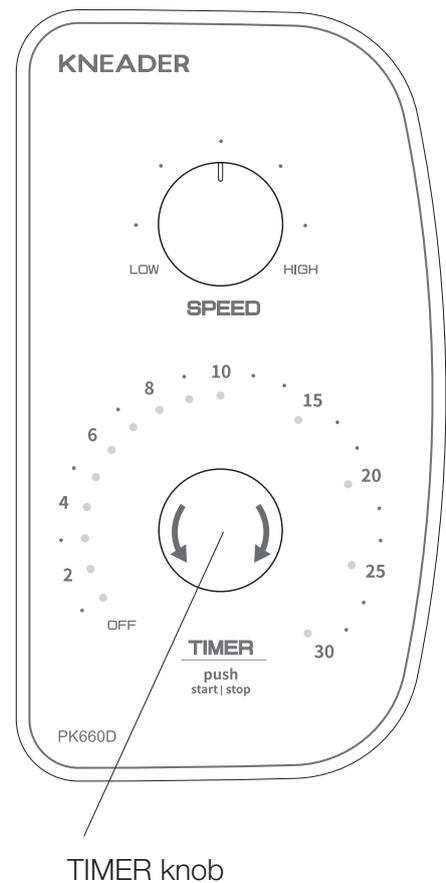
Slots on the body of the kneader

### 3 Insert the plug into the outlet, turn on the power switch.

# How to Use

## A simple way to use it

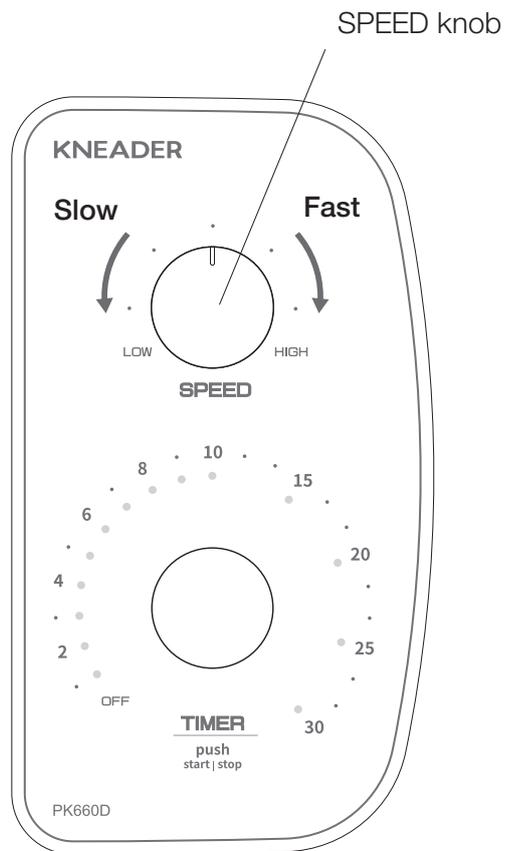
- 1 Place it on a stabled surface.**
- 2 Turn on the power switch.**
- 3 Set the timer.**  
(Can also be set while progressing)
  - \* Turn the TIMER knob and set the time.
  - \* The LED light at the setting time will light up.
- 4 Start by pushing the TIMER knob.**  
(LED flickers)  
Push it again and the rotation will stop.
- 5 The alarm will beep when the progress is finished.**



## How to adjust the speed

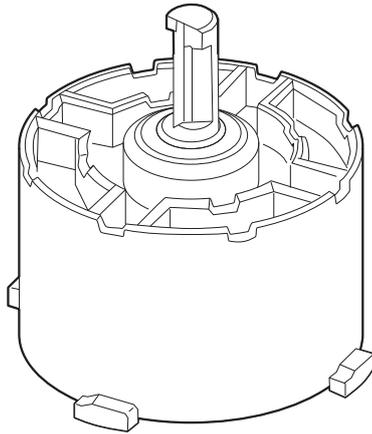
You can adjust the speed with the SPEED knob.  
(Can also be adjusted while operating.)

Becomes fast when you turn the knob to the right, becomes slow when turned left.  
It will stop when you turn the knob to the left end.  
(It can still be used as a timer.)



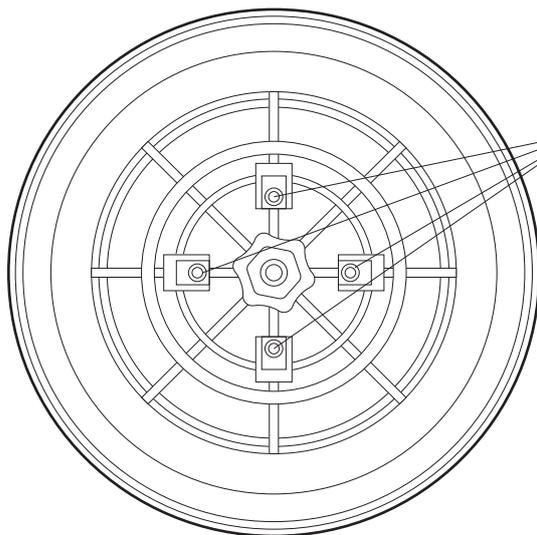
## The order to exchange the Pot housing

Exchange Pot-housing when water or dough leaks from the pot.  
You can purchase the Pot-housing separately with an optional purchase.



Pot-housing (consumable)

### Disassembly method

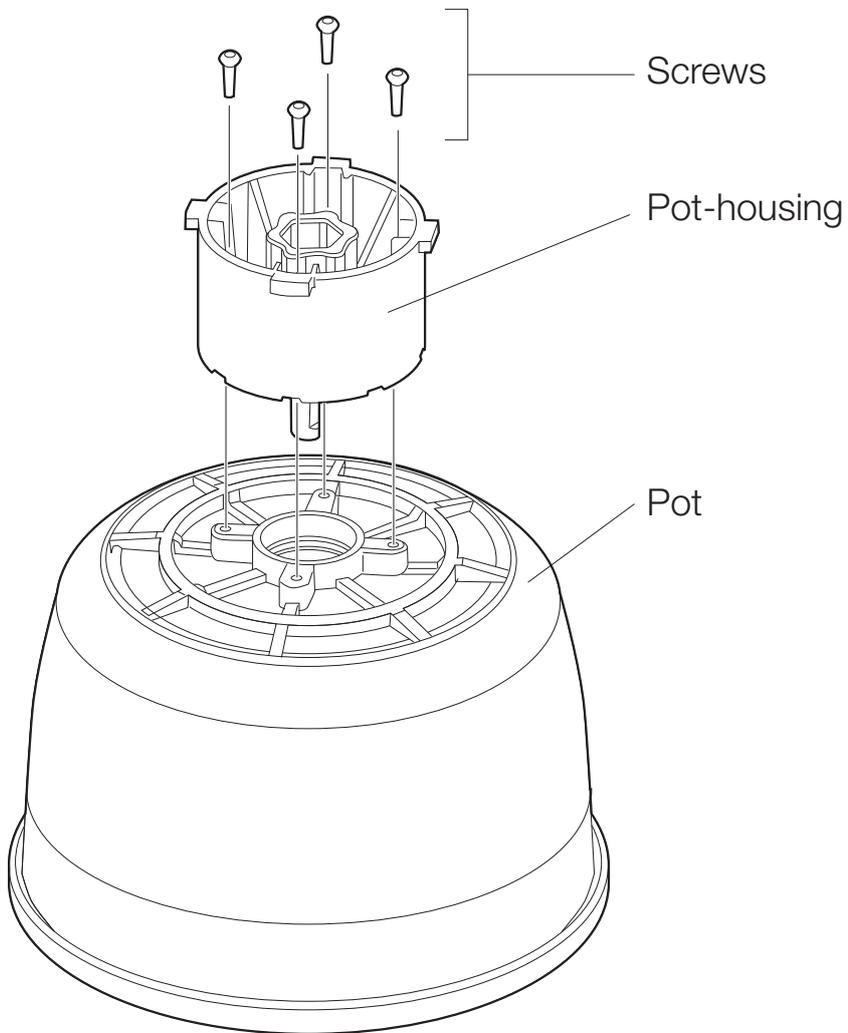


Unscrew 4 screws and remove the Pot-housing.

Pot-housing

## Assembly method

Fix the Pot-housing with 4 screws as shown below:



# Maintenance

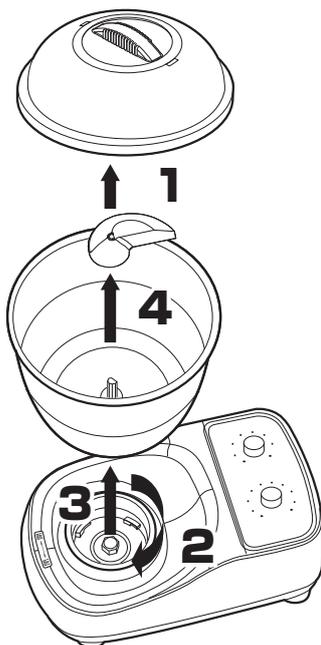
Please carry out maintenance frequently each time you use this product.

## Cautions

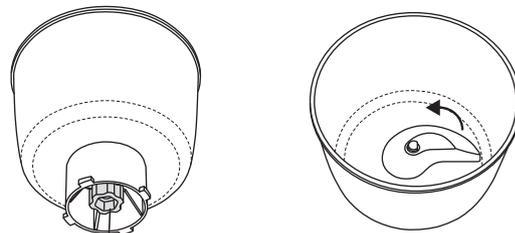
- Please only ever carry out maintenance after unplugging the plug from the outlet.
- Please do not use benzene, thinner or polish because they will damage the surface of the kneader. In particular, if the blade becomes damaged, it will not be possible to carry out kneading properly and this will interfere with the finish to the bread dough, so please pay attention to this.
- Please do not throw the washed dough leftovers directly into sinks. Flour that has solidified is not very soluble in water, so this may lead to clogging in the pipes.
- After using the kneader, please be sure to detach the blade from the axis of the pot. If you leave it as it is, the dough will harden and it may become difficult to detach the blade.
- Please remove flour that has accumulated in the body-pot installation unit with a brush, dish cloth or cleaner

## Detaching

Remove the pot cover, pot and blade in that order.



### How to Detach the Blade



the rotating part on the bottom of the pot

You can remove the blade by turning the blade anti-clockwise while holding the rotating part on the bottom of the pot.

\*If you leave the pot for a long time after use, the flour will harden and it may become difficult to detach the blade. **Please detach the blade from the pot as soon as possible** after use.

## Body of the Kneader

**Please lightly wipe away dirt on the surface of the body of the kneader with a soft and dry cloth.**

When very dirty, wet a soft cloth with water, wipe the surface after firmly wringing the cloth and then polish with a dry cloth.

## Pot, Pot Cover and Blade

**Please wash the pot, pot cover and blade with cool or lukewarm water.**

When very dirty, please soak a sponge or cloth in dishwashing detergent, lightly scrub and then rinse with cool or lukewarm water.

- Pot-housing is consumable (See p10).

### Cautions for the Pot

- Please do not leave the pot with water inside of it for a long time. This may cause corrosion or the blade mounting axis to stop rotating.
- When there is dirt which is difficult to clean away, please dilute dishwashing detergent with water, spray with a spray or similar, leave for 15-20 minutes and then thoroughly rinse with water.
- Please do not use rock salt. There is a danger this may damage the pot.

### Cautions for the Blade

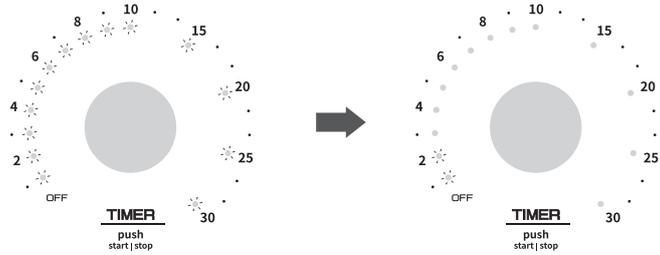
- When it is not possible to remove the blade, leave for a few minutes in lukewarm water and then detach after the dough stuck to the blade softens up.
- Please remove dough that has clogged up the holes of the blade with a soft brush.

### ●Storage

- Please wipe away dirt and moisture.
- Please thoroughly dry the pot, pot cover and blade.

# Troubleshooting

Please check the following before making a repair request.

Problem	Things to Check
The buttons do not work	Is the plug unplugged from the outlet? Is the power switch off? → Insert the plug into the outlet and turn on the power switch.
The body of the kneader is hot when touched	Is this directly after use? → The body of the kneader becomes warm during and directly after use. However, if there is smoke or an abnormal smell, stop operations immediately, unplug the plug and inquire at shop where purchased.
The kneader is not rotating	Is the SPEED knob at the left end? → Try turning the speed knob to the right.
The kneader makes an unusual sound while operating	Is the blade rotating? → Sometimes it makes a high pitch sound while the blade is rotating but there is no malfunction.
The light keeps flickering as shown on the right figures.	 <p>All the LED lights come on.      One or two lights come on.</p> <p>If it does not go back to normal by turning the power switch OFF and to ON, please contact our support desk for repairment.</p>

If the kneader does not improve despite following the above table, please inquire at shop where purchased for consultations.

When making an inquiry, we may ask for the model number, serial number and the details displayed on the operation unit, so please check these in advance.

**Model number:** This is listed on the operation unit and the cover of this User's Manual

**Serial number:** This is listed on the label on the bottom of the body of the kneader

**Operation unit display:** When there is a display on the operation unit

# After-sales Service

Please inquire at shop where purchased for consultations about repairs, handling and the purchase of parts, etc.

**Date of purchase**

month	day	year
/	/	

**Serial number**

SER#
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**MEMO**

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# Specifications

The main specifications of this product are as below.

**Model number: PK660DW**

## Body of the Kneader

Power supply	AC 220V 50/60Hz shared
Power consumption	80W
Drive	DC motor
Rotation range (No load)	0~390 rotations per minute
External dimensions (W X D X H)	230x365x175mm
Weight	4.8kg
Cord length	1.5m
Country of origin	Japan

## Pot (Including the Pot Cover and Blade)

External dimensions (W X H)	∅220x236mm
Weight	0.7kg
Country of origin	Japan

This appliance was designed only for use in where the local voltage supply is AC220V and should not be used in other countries where the voltage and frequency vary. After sales-service for this appliance is not available.

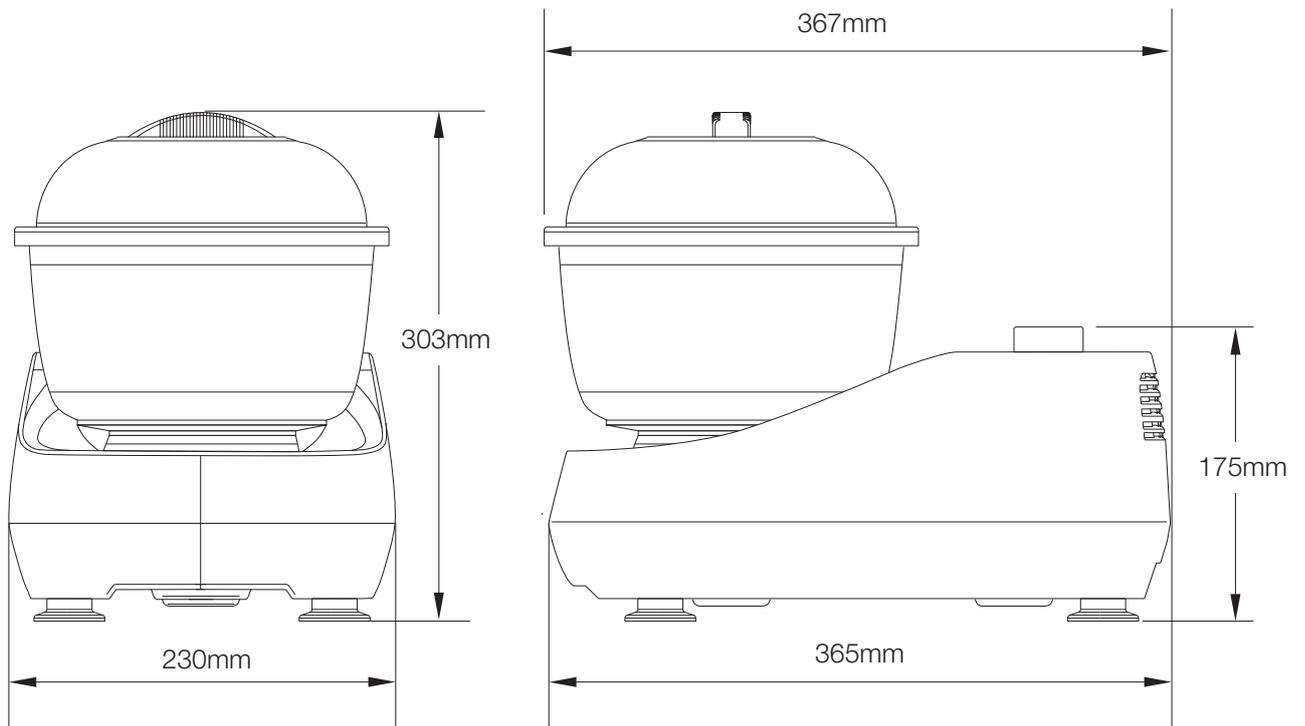
本产品专为220V交流电而设计。由于各国所使用电压或电源频率不同，请勿使用于其它地区。另亦无法对此提供售后维修服务。

此產品為交流電壓220V所設計。由於各國所使用電壓或電源頻率不同，請勿於其他地區使用。另亦無法對此提供售後維修服務。

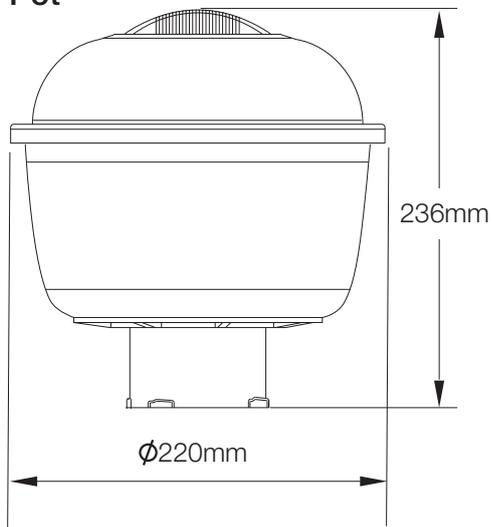
이 제품은 교류 220V 전용으로 설계되어 있습니다. 전압이나 전원 주파수가 상이한 외국에서는 사용할 수 없습니다. A/S 또한 불가능합니다.

この製品は交流220V専用に設計されています。電源電圧や電源周波数の異なる外国では使用できません。また、アフターサービスもできません。

## External Dimensions Figure



### Pot



\*Please note that the specifications and appearance of this product may change without notice due to improvements.

- The unauthorized reproduction of part or all of the content of this User's Manual is prohibited.
- The content of this User's Manual may change without notice in the future.
- If you notice any errors or omissions in regards to the content of this User's Manual, please contact us.



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<http://kneader.jp>

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