

MIGHTY BLENDER

**Mighty Blender
motor unit only**

MT-1

User's manual



OSAKA CHEMICAL CO.,LTD.

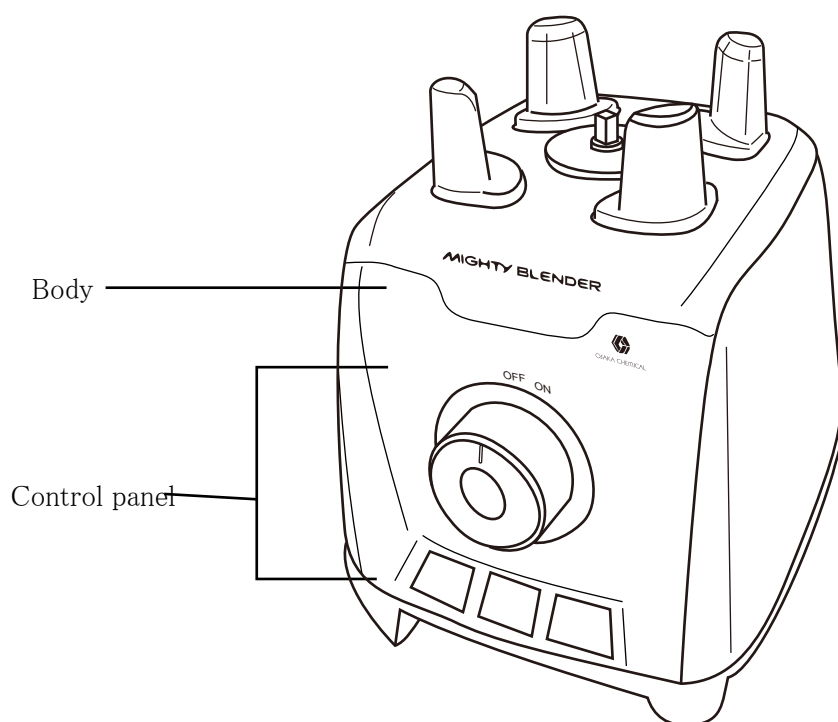
MIGHTY BLENDER

Thank you very much for purchasing Mighty Blender.

Please read this manual carefully to ensure correct and safe use of this product.

Figure-A

Part Names & Specifications



Specifications

P/N	MT-1
Power	AC100V, 50/60Hz, 280W
Rated time	3 minutes (automatically stops after 3 minutes of continuous operation)
Rotation speed	19,000rpm
Dimensions	175 mm x 190 mm x 215 mm(H)
Weight	2.1 kg

Figure-B
Control panel Drawings

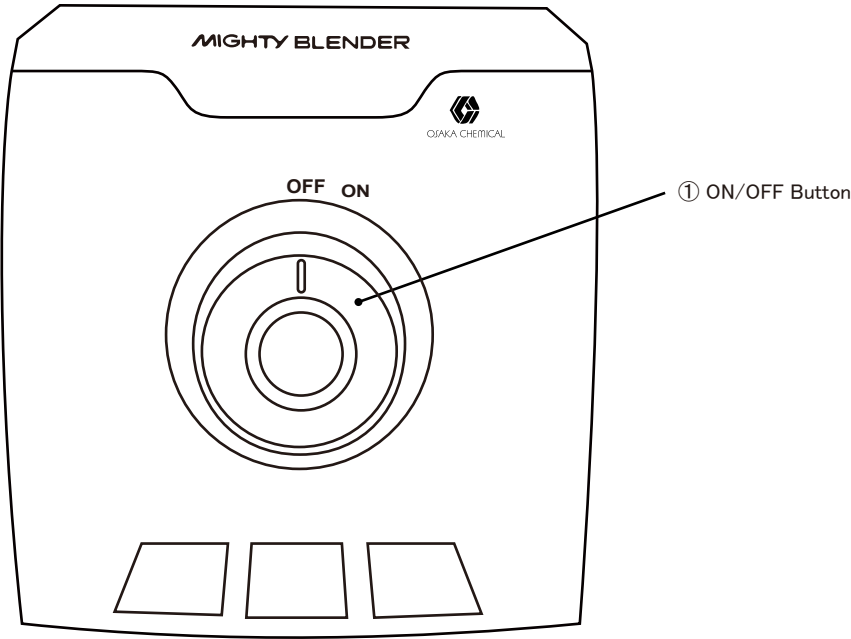
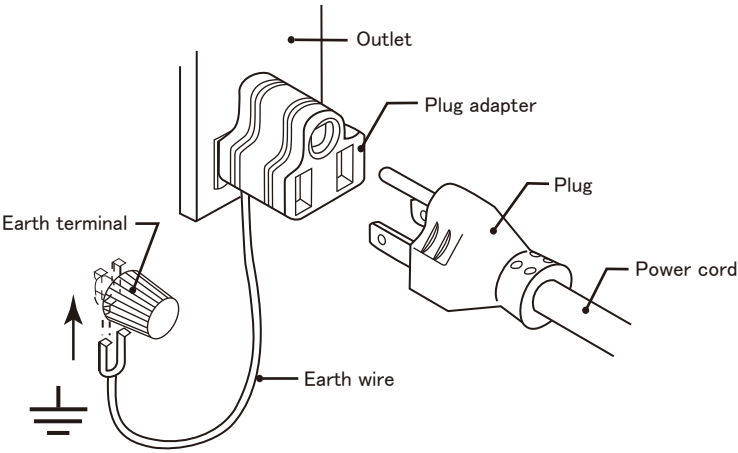


Figure-C
Power plug and cord



Operating Instruction

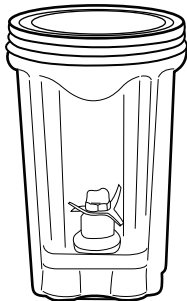
Since MT-1 is a motor unit only, the operation of the main unit operation panel is described here.
For handling of containers, please refer to the instruction manual of the container set model.

- ◎ First, check that the dial ① on the main unit operation panel shown in Figure-B is set to the "OFF" position. (Refer to Figure B on page 2).
- ◎ Next, load the sample into the container to be used and set the container into the main unit correctly.
- ◎ When all preparations have been made, plug the power cord into an outlet.
The plug of the power cord is three-pronged; if you have a two-pole outlet, please use the accessory plug adapter. Please be sure to keep the unit earthed. (Refer to Figure C on page 2)
- ◎ Turn the ON/OFF switch (①) to "ON" to start operation.
Especially at the start of crushing, the container may vibrate suddenly, so keep your hand on the top of the container to keep the machine stable.
- ◎ When the operation is finished, switch the dial back to the "OFF" position to stop the operation.
Then remove the plug from the outlet.
- ◎ Check that the motor has completely stopped rotating before removing the container sets from the main unit. Please do not remove the container sets before the motor has completely stopped rotating, as it might cause wear on the shaft.
- ◎ After use, wash the container, cutter, packing, base, and other parts (do not use detergents other than neutral detergent) and dry them well before putting them away for storage.
Do not use a dishwasher or dryer.

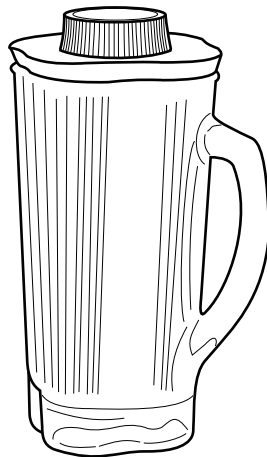
Cautions

- ◎ Do not alter the machine. It may cause accidental fire, electric shock, or injury.
- ◎ Do not use the product if the power cord or plug is damaged or if the plug is loose.
It may cause electric shock, short circuiting, or ignition.
- ◎ Never immerse the main unit in water or splash water on it.
It may cause electric shock or short circuit.
- ◎ Do not crush very hard samples such as stone, or highly fibrous samples such as mushroom.
It may cause damage.
- ◎ When using glass containers, do not make rapid cooling or heating with a temperature difference of 40° C or more between descending and ascending temperatures.
It may cause breakage.
- ◎ Please operate on a flat, stable place.
- ◎ Be sure to disconnect the power plug from the outlet before setting or removing the container.
- ◎ Never operate the machine without a sample in it.
- ◎ Do not use outdoors.
- ◎ The cutter inside the container is sharp and can be dangerous, so please handle it with caution.
- ◎ Never put hands, fingers, chopsticks, spoons, etc. into the container during operation.
- ◎ When performing a test operation, please fill the container about a half-full of water.
- ◎ Each operation should last no longer than 3 minutes. For continuous use, stop the machine for a while (10 to 15 minutes) after 3 minutes of operation, and then run it again.
If continuous operation is repeated, the motor temperature rises, which may cause a breakdown due to circuit meltdown.
The machine will automatically stop after 3 minutes of continuous operation.
- ◎ When pulverizing, please do not use the equipment in an environment where the pulverized powder or other materials are scattered around the equipment.
If the machine is used in such an environment, the powder may get inside the chassis and cause malfunctions. Please clean the area around the machine frequently.

Optional Replacement Containers



E8470
(Glass Container)

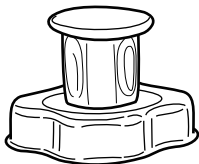


CAC32
(Glass Container)

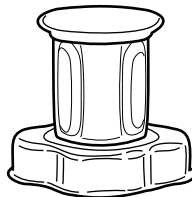


CAC33
(Stainless steel container)

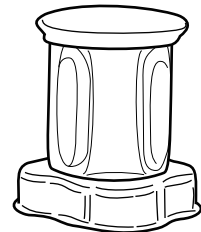
P/N	Capacity	Throughput	Price
E8470	500mL	30 ~ 250mL	¥79,000
CAC32	1.2L	75 ~ 500mL	¥25,000
CAC33	1.0L	75 ~ 500mL	¥39,000



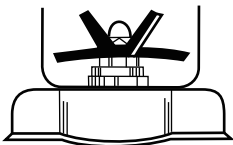
MC-1



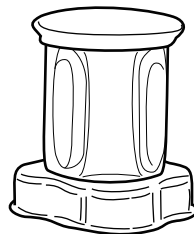
MC-2



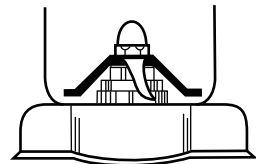
MC-3



MC-1 ~ 3
Cutter Shapes



SS110



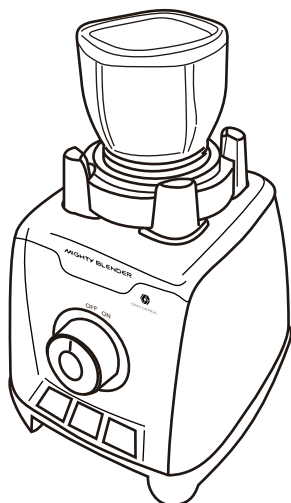
SS110
Cutter Shapes

P/N	Capacity	Throughput	Price
MC-1	50mL	12 ~ 20mL	¥72,000
MC-2	120mL	37 ~ 50mL	¥74,000
MC-3	260mL	50 ~ 80mL	¥82,000
SS110	260mL	75g	¥94,000

Model supplied with containers

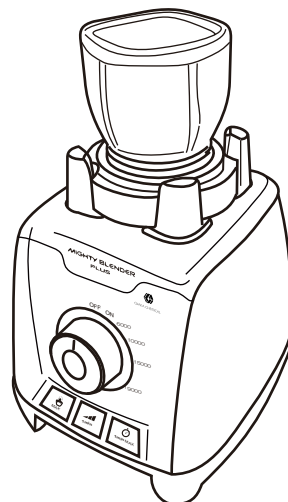
Bottle container model

MT-BC



ON/OFF switch only

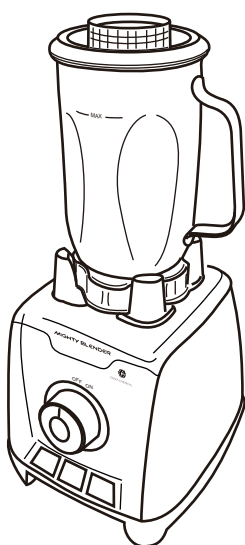
MT-BCPLUS



- Variable speed control by dial
- One-minute automatic control operation mode
- One-minute operation timer

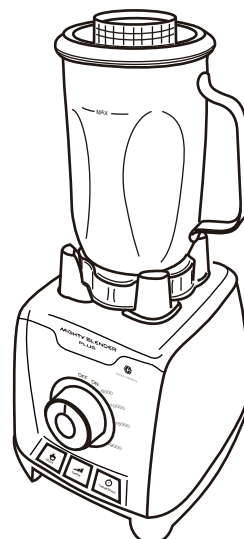
1L SUS Bottle Model

MT-SS



ON/OFF switch only

MT-SSPLUS



- Variable speed control by dial
- One-minute automatic control operation mode
- One-minute operation timer



〒530-0045

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