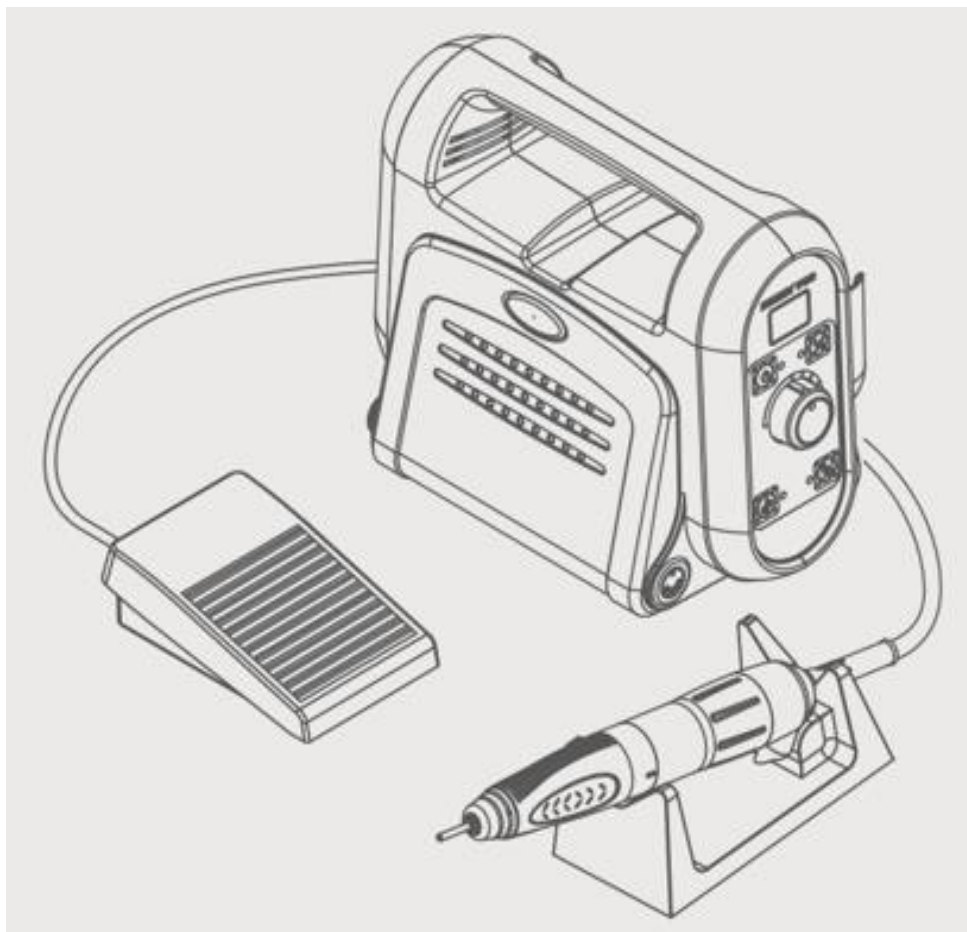


# ACTIVESHOP<sup>®</sup>

## Instructions for use

Marathon Handy 700/702 milling machine



Importer:  
ACTIVESHOP SP. Z O.O.  
8b Graniczna St., building  
DC2A 54-610 Wrocław,  
Poland  
[www.activeshop.com.pl](http://www.activeshop.com.pl)  
Rev. A/09/2023



The prosthetic milling machine offers high power (100W) and quiet operation. It provides high speed. The milling machine is equipped with a noise reduction system to reduce noise by 20%, compared to other models. The design of the base is ergonomic, with a practical carrying handle.

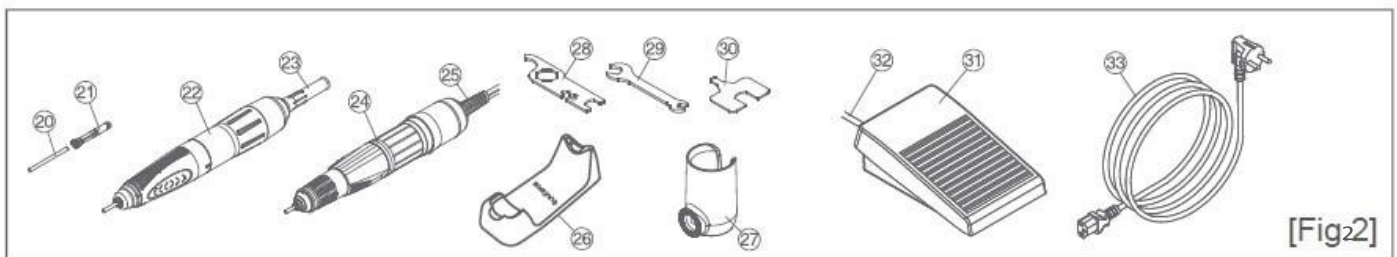
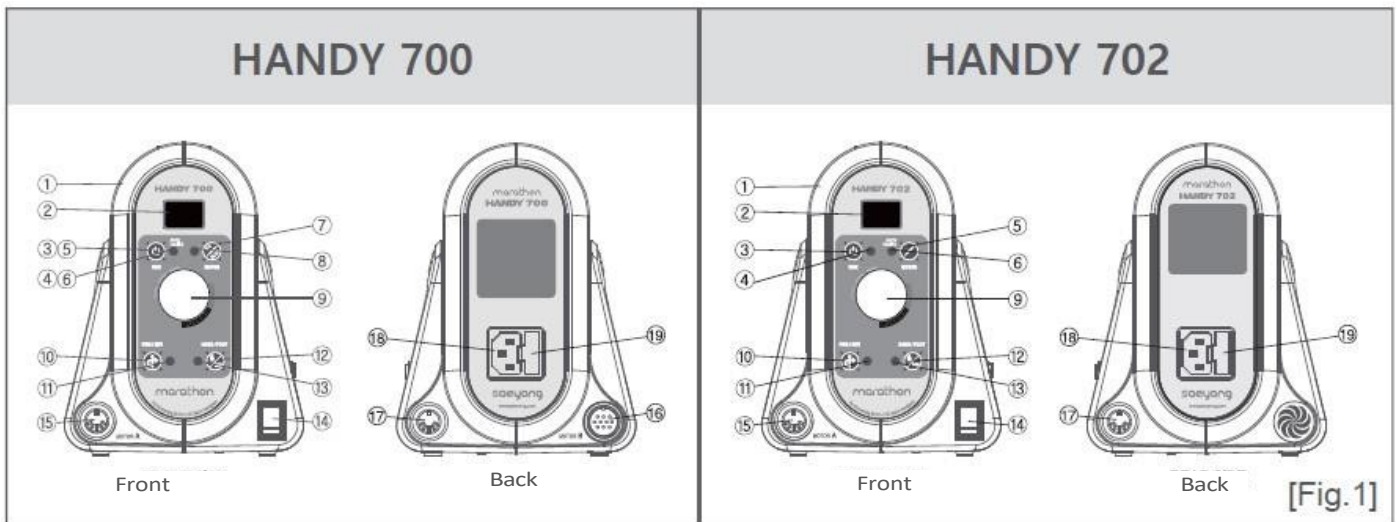
**Technical data:**

- power supply: 200-240 V/50-60Hz
- ergonomic housing
- clockwise and counterclockwise rotation
- on/off switch and speed control at the base
- Infinitely variable speed control from 1,000 to 50,000 for the Handy 700 (1,000 to 45,000 for the Handy 702)
- twist-lock handle (replace cutter with one motion)
- magnetic strip for cutters
- AUTO CRUISE function (setting a constant desired speed)
- self-diagnosis function (supervises proper operation)
- the set is sold only with a brushless head (Handy 700)

**Construction scheme**

Head with brushless motor

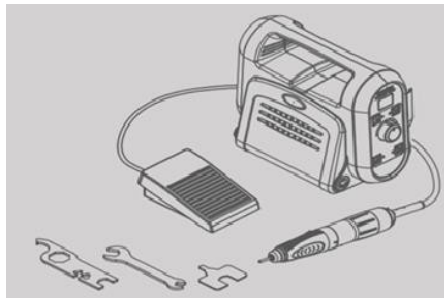
Head with brush motor



- |   |                             |   |
|---|-----------------------------|---|
| 1. Control unit                             | 12. Hand/leg switch         | 25. Kit head holder Kit head            |
| 2. Speed display                            | 13. Hand/leg selection LED  | cable                                   |
| 3. Switch                                   | 14. Power switch            | 26. Head stand                          |
| 4. Engine running light                     | (power light)               | 27. Head stand                          |
| 5. Cruise control switch                    | 15. DC motor connector      | 28. Head wrench                         |
| 6. Cruise control light                     | 16. Kit head connector      | 29. Nut wrench                          |
| 7. Motor selector switch                    | 17. Foot switch connector   | 30. Head wrench                         |
| 8. Motor selection LED                      | 18. Power connector         | 31. Foot switch                         |
| 9. Speed control knob                       | 19. Fuse holder             | 32. Cable                   foot switch |
| 10. Left/right direction selector<br>switch | 20. Test milling cutter     | 33. Power cable                         |
| 11. Left/right direction selection<br>LED   | 21. Grip holding the cutter |   |
|   | 22. Optional head holder    |   |
|   | 23. Optional head cable     |   |

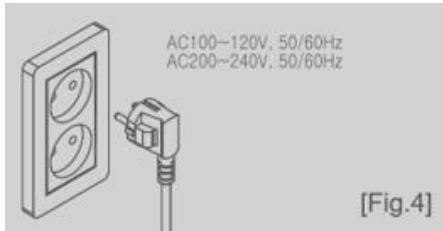
## Complete set

- Control unit, power cord
- Head, screw, washer
- Head stand (optional)
- Foot switch (optional)
- Tools (optional)



## Power input

Check the electrical system nameplate (AC100-120V, 50/60Hz or AC200-240V, 50/60Hz) located on the back of the control unit. [Fig.4]



## NOTE!

- Never connect or disconnect the power cord with wet hands to avoid electric shock.
- Use only a grounded AC outlet.

## Installation and electrical connection

### NOTE!

The control unit should rest on a flat, stable surface. Avoid blocking the holes Ventilation vents at the bottom of the housing.

Use the control unit in places with temperatures in the range of 0 to 40°C. Avoid excessively dusty, hot or humid places.

1. Attach the head bracket (27) to the right side of the control unit with a screw and washer. [Fig. 7] (optional)
2. For Handy 702: Connect the head cable (25) to connector (15), which is located on the front of the unit. controlling. [Fig.8]
3. For Handy 700: Connect the BLDC motor cable (23) to the BLDC motor connector (16) located at the rear of the control unit, and then tighten the connector nut. [Fig.9]
4. Connect the foot switch cable (32) to the foot switch connector (17) located at the rear of the control unit.
5. Connect the power cord to the power connector on the back of the control unit. (Fig. 9)



## WARNING

- Before connecting the power cord, make s u r e that all wires are properly and securely connected and that the power switch is turned off.

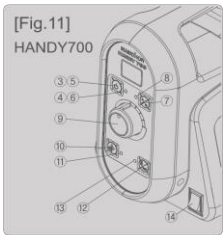
## User Manual

- 1) Turn off the power.
- 2) Plug the power cord into an electrical outlet. ⑬
- 3) Set the speed control knob to the lowest position. 4) Turn on the power. ⑭
- 5) Handy 700: Select head A (optional head) or B (set head) by pressing motor selector ⑦.  
**The head selection LED lights orange for the kit head.**
- 6) Select the direction of rotation by pressing the left/right direction selector ⑩.

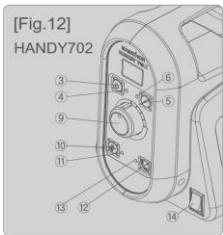
### Operation in manual mode

- 1) Press the hand/leg switch ⑫ to "HAND." The hand/leg selection LED ⑬ will light up green.
- 2) Press the engine operation switch ③ to start the engine. The engine operation LED ④ will light up in the green.
- 3) Set the speed control knob ⑨ to the desired speed.
- 4) The motor stops when the motor operation switch ③ is pressed again. Motor operation LED ④ is off.

### Foot mode operation



- 1) Press the hand/leg switch ⑫ to "NOGA." The hand/leg selection LED ⑬ lights up orange, the LED on the head ④ lights up green.
- 2) Set the speed control knob ⑨ to the desired maximum speed.
- 3) Press the foot switch ⑪ to start the engine.



### Cruise control mode

When the foot switch is used, the Auto Cruise function allows you to maintain speed when you remove pressure from the foot switch. Activate by pressing the switch Automatic cruise control ⑤ and holding down the foot switch with the Equal pressure for 2 seconds. Deactivate by pressing the foot switch.

### ⚠ NOTE

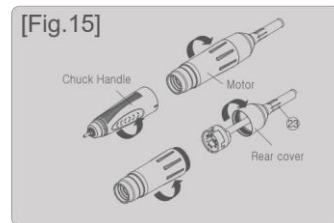
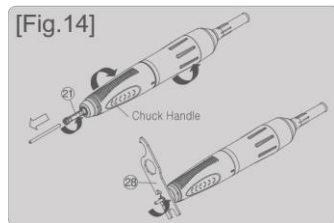
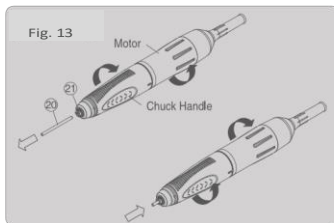
Do not exceed the maximum operating speed of the control unit, as operating it at too high a speed can cause damage to the head, as well as personal injury.

Before turning off the power switch, it is essential to make sure that the motor is stopped. When the device is not in use, disconnect the power cord for maximum safety.

### Handling the micromotor tip

#### Inserting or removing the cutter

The cutter can be replaced by turning the head handle clockwise. After replacing the cutter, the head holder must be turned counterclockwise to be held securely. [Fig. 13]



### ⚠ NOTE

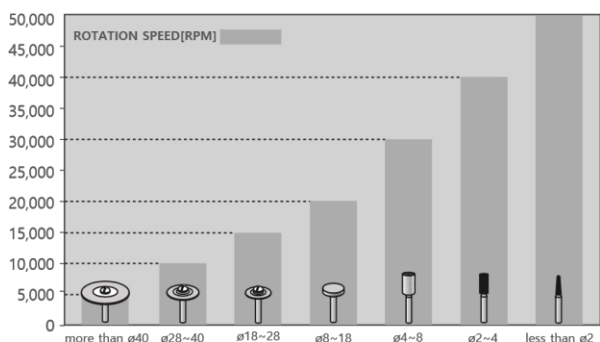
Use only recommended cutters.

Always remove dirt before replacing the cutter.

After replacing the cutter, make sure the collet is securely fastened before starting the engine.  
 DO NOT attempt to adjust the head holder while the motor is running to prevent damage to the machine.  
 When the micromotor tip is not in use, it is recommended to leave the cutter in the holder.  
 Always place the head on the head stand (26) or head stand (27) when not in use. Take special care not to drop it on the floor.  
 Thoroughly clean the collet and cutter holder before reassembling. Clean at least once a week to extend the life.  
 When disassembling, take special care to keep the handle and motor free of dirt. The spindle and motor should only be disassembled by a qualified repair facility.

### Permissible speed

The table shows the maximum rotational speed (RPM) of conventional cutters. The allowable rotational speed may vary slightly depending on the materials or types of cutters.



Make sure you do not exceed the maximum speed specified by the manufacturer or distributor of the cutter you are using. Large cutters, even when operating below their maximum rated speed, may begin to vibrate. Speed should be reduced immediately to prevent damage to the cutter, head or operator.

Always use good quality cutters.

Remember to insert the shank of the cutter all the way until it touches the back of the collet holder. Then tighten the collet. If the cutter is used when it is not fully inserted, it is very dangerous, because vibration can cause it to slip out and damage the head.

### Technical data Error code

Error code	Status	Cause
"1E"	Engine sensor error	Defective one or more Hall sensors. The motor cable is disconnected or damaged. The motor cable is damaged.
"2E"	Engine interlock error	The twist-lock handle is open. The head is mechanically damaged. The head is electrically damaged.
"4E"	Overvoltage detection error	1. the circuit of the control unit is defective.

"5E"	Overheating error	The control unit was excessively operated under heavy load for too long. The control unit has been exposed to an excessively hot environment. The air openings are blocked. The temperature sensor is defective.
"6E"	Overdrive error	1. the device was operating under high load or was suddenly stopped post-launch.

### Troubleshooting

Problem		Checkpoints	Activities
The power light does not illuminate.		Make sure the power cord is properly connected to the outlet and control unit.	Properly connect the power cord.
The engine does not work.	"1E" is displayed.	Check that the motor cable is properly connected.	Correctly connect the motor cable. If the same error is constantly displayed, Replace the motor cable.
	"2E" is displayed.	Check that the collet holder is open.	If it is open, close the collet.
	"4E" is displayed.	The circuit of the control unit is defective.	Return the device for repair.

The engine does not work.	"5E" is displayed.	Check whether the control unit has not been used for a long time Under heavy load.	Restart the control unit after stopping it for about 10 minutes.
		Check that the temperature of the workplace is not too high.	If it is too warm, move the control unit to a place where the The internal temperature is 0~40°C.
		Check that the air opening is not blocked.	Unblock the air hole.
		The temperature sensor is defective.	Send the device for service.
	"6E" is displayed.	Check that the control unit has not been used excessively under heavy load conditions.	Press the auto cruise control switch or turn it off, then turn it on, then press the head switch. If the same error is still displayed, Send the device for service.
		Check that the collet holder is open.	If it is open, tighten it by turning the head handle.
Check that the tip shaft The micromotor can rotate freely.		If it cannot be turned at closed handle, the base of the micromotor tip is damaged. Send device for service.	
The foot switch does not work.	Make sure the foot switch cable is properly connected.	Connect the foot switch cable correctly.	
	The hand/feet switch is set to "HAND."	Set the manual/leg switch to " FOOT"	
The head overheats during operation.	The ball bearings are damaged.	Send the device for service.	
The head vibrates excessively and is extremely loud.	Make sure the collet is free of dirt.	Thoroughly clean the collet.	
	The speed is too high.	Reduce the speed. Refer to the table "Permissible speed.	
	Check that the cutter shaft is in good condition.	Replace with a new one.	
	Make sure the ball bearings are in good condition.	Send the device for service.	

## Specifications

### Control unit

Model name	Input	Weight	Size	Head type
HANDY 700	AC 100~120V 50/60Hz AC 200~240V 50/60Hz	2,7 kg	137(szer.)x232(dł.)x180(wys.)	Brushless motor
HANDY 702		1,9 kg		Brush motor



## **NOTE!**

Change the cutter after turning off the milling machine with the switch. Turning the speed control potentiometer to the minimum does not turn off the milling machine, but only reduces its speed to the minimum (invisible to the naked eye). Changing the cutter on the switched-on milling machine at the minimum RPM can cause overheating of the head, and consequently damage to it (not covered by the warranty).

## **NOTE!!!**

Do not soak the heads. Do not disinfect with excessive amounts of liquid. Water or disinfectant liquid (non-alcoholic) getting inside the head may damage it. Remove dust from the head before possible disinfection.

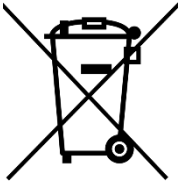
It is recommended to maintain the head with dedicated fluids.

## **SECURITY MEASURES**

1. The device is a professional equipment for use in beauty parlors. Operation of the device only by qualified cosmetic personnel allows you to avoid undesirable consequences during the treatment.
2. Do not disassemble the device or attempt to use it for purposes other than those indicated in this manual. All service and repair work must be performed only by an authorized service technician (ACTIVESHOP Company Ltd.).
3. Do not install or operate the device near liquids, wet places or with wet hands - so that no liquids get into the device.
4. Immediately remove the plug from the outlet and contact the authorized service provided by ACTIVESHOP Ltd. in the following cases: a) liquid has entered the device, b) the device emits a strange odor, smoke or makes strange sounds, c) the power cord has been damaged, d) the device has been knocked over or its housing has been damaged.
5. Do not put any objects on the cables. Do not install the unit where someone may step on the power cord.
6. For safety purposes, unplug the power cord from the outlet each time you finish working with the device.
7. Do not insert anything into the opening of the device. If a foreign object gets into the hole, remove the cord from the outlet and contact the distributor or manufacturer.
8. Do not place the device on an unstable cart, shelf or vehicle. If dropped, the device may be damaged.
9. In order to guarantee the established useful life of the device, it is recommended to keep an interval of one minute before pressing the power button again (between switching on and off and vice versa).
10. The power supply must comply with the specifications on the nameplate. Otherwise, there is a risk of incorrect operation of the device its damage or even burning.

## **NOTES:**

1. In case of damage to the power cord or other malfunctions, contact an authorized service center - this will avoid danger.
2. This equipment may be used by children at least 8 years of age and by persons with impaired physical and mental capabilities and persons with inexperience and lack of familiarity with the equipment, if supervision or instruction is provided regarding the use of the equipment in a safe manner so that the associated risks are understood.
3. The device is not intended for play by children. Do not allow children to play with the device.
4. Do not leave the device unattended when children or persons without sufficient knowledge of how to use the device are near it.
5. This electrical appliance is not a toy. Improper use or contact with the electrical appliance may pose a health risk or lead to death, so use and store the appliance out of the reach of children.



### **DISPOSAL OF THE DEVICE**

Dispose of used electrical appliances, fixtures and packaging to raw material reprocessing centers in accordance with environmental protection principles. Electrical appliances should not be disposed of in household waste containers. Follow the rules for discarding this type of equipment. In order to protect the environment in accordance with Directive 2012/19/EC

concerning used equipment

Waste electrical and electronic equipment should be collected separately, and taken to collection centers for waste electronic and electrical equipment.

At the end of their useful life, as well as old devices contain full-value recyclable components, so they should be handed over for recycling. Therefore, they should be handed over to appropriate collection points, as well as they can also be handed over to ACTIVESHOP Ltd.

### **STORAGE AND TRANSPORT**

The device should be transported at a temperature in the range of (-) 20°C to (+) 40°C only in its original packaging. Store the device in a well-ventilated room and a relative humidity of no more than 90%. Operating temperature from (+) 10°C to (+) 40°C. During storage and transportation processes, the device must not be thrown or dropped, exposed to mechanical shocks or atmospheric agents.