

# OPERATION and MAINTENANCE INSTRUCTION MANUAL

AEU-10C/SS Power-Tip Systems

---



---

**© ASEPTICO®**

## TABLE OF CONTENTS:

Introduction .....	1
Package Contents .....	1
Setting Up the Unit .....	2
Operation .....	3
Handpiece .....	4
Troubleshooting .....	5
Warranty .....	.Back Cover

## SPECIFICATIONS:

Console Size:	4.5" x 3.5" x 2" (11 cm x 9 cm x 5 cm)
Console Weight:	1.25 lbs (0.56 kg)
Motor and Handpiece Size:	6" x 0.8" diameter (max) (15 cm x 2 cm dia.)
Motor, Cord and Handpiece Weight:	0.35 lb (0.16 kg)
Power Source:	110V AC or Optional 220V AC
Max Power Consumption:	15.3V, 6.0W



P.O. Box 1548 • Woodinville, WA 98072  
8333 216<sup>th</sup> Street S.E. Woodinville, WA 98072  
International (425) 487-3157 • Toll Free(800) 426-5913  
www.aseptico.com • info@aseptico.com



Aseptico Inc  
98072 USA

To prevent injury to people and damage to property, please heed relevant warnings and remarks. They are marked as follows:

- WARNING:** Serious injury or death may result if ignored.
- CAUTION:** Damage to property or the environment may result if ignored.
- NOTE:** Important additional information and hints.

**WARNING:** This device has been tested and found to comply with the emissions requirements of EN 55014:1997. These requirements provide reasonable protection against harmful electro-magnetic interference in a typical medical installation. However, high levels of radio-frequency (RF) emissions from electrical devices, such as cellular phones, may disrupt the performance of this device. To mitigate disruptive electromagnetic interference, position this device away from RF transmitters and other sources of electromagnetic energy.

Your new Aseptico AEU-10 Power-Tip System is one of the finest motor/handpiece combinations available to the professional.

# *Congratulations*

This system is engineered to provide many years of reliable service. Please read the instructions provided in this manual to receive the best and longest service from your Aseptico equipment.

Separate manuals may be provided to cover the operation and maintenance of handpieces or other accessories for your unit.

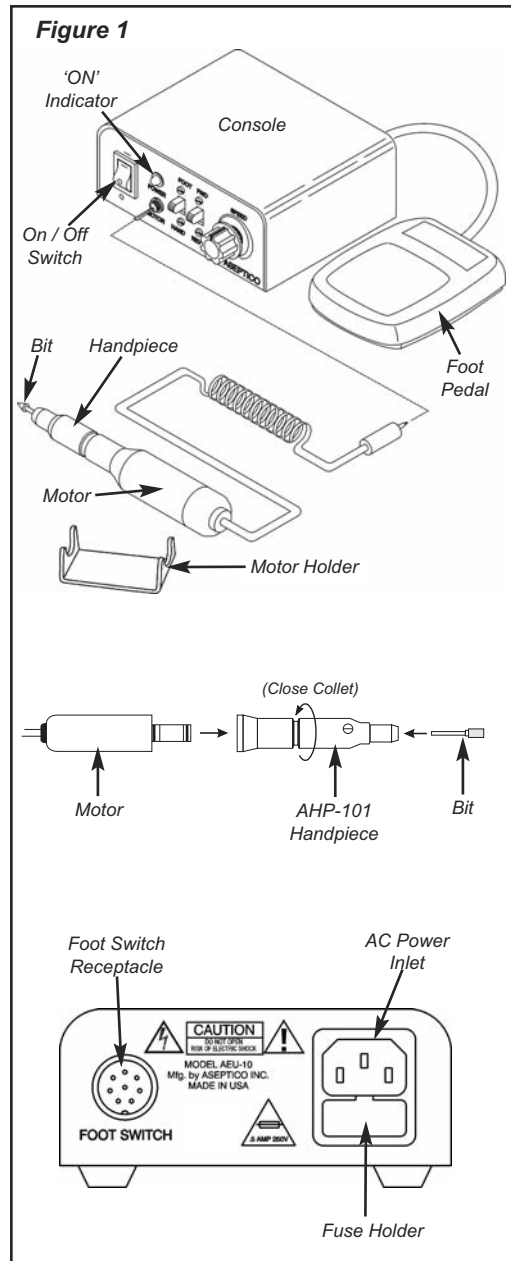
---

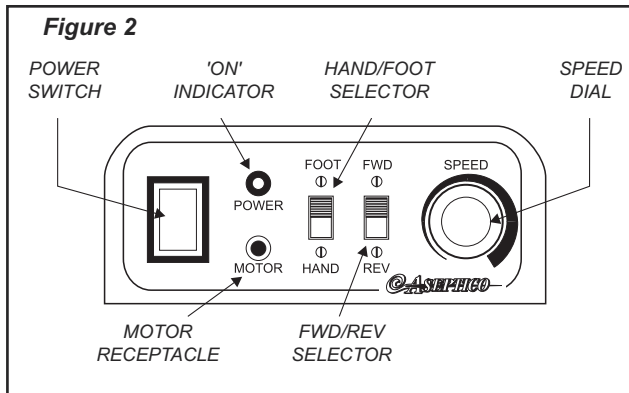
## **PACKAGE CONTENTS:**

- Electric Control Console
- Remote Power Cord
- AM-103A Micro Motor
- AHP-101 Straight Handpiece
- Autoclavable Motor Holder
- AE-7P Foot Pedal (Optional for AEU-10C)

## SETTING UP THE UNIT:

1. Plug the AEU-10 console into a standard 120 Volt AC grounded power outlet. (220 Volt AC unit is also available)
2. Plug the micro motor into the receptacle on the front of the console labeled 'motor'. Make sure the power switch on the console is turned off.
3. Attach the straight handpiece to the motor by sliding straight onto the motor shaft. Insert a bur or bit into the handpiece collet. Only operate the unit with a bit or blank installed and with the collet in the closed position.
4. Attach AE-7P on/off foot pedal to the receptacle on the back of the unit marked "Foot Switch". The AE-7P foot pedal is standard with the AEU-10SS and optional with the AEU-10C. The variable speed AE-14A foot control is also available.





## OPERATION:

1. Turn the power switch to the 'ON' position. When switched on, the L.E.D. 'ON' indicator should light.
2. Select the proper running speed by turning the 'SPEED' dial. Turn the dial clockwise to increase speed, and counterclockwise to decrease speed.
3. When running the handpiece, DO NOT force or stall the motor. If the motor stalls due to excessive pressure, release pressure immediately and use a light touch.
4. If equipped with a foot pedal, select "Foot" with hand/foot selector and press foot pedal to operate. Foot pedal must be unplugged and selector must be moved to "Hand" to return to hand mode.

### NOTE:

If motor stops due to an open collet or excessive pressure:

1. Turn Power Switch off
2. Let unit cool down for 2-4 min.
3. Turn Power Switch on
4. Resume use

### WARNING:

- Do not attempt to disassemble the motor or motor connector.
- Do not oil or lubricate the motor.
- Do not attach a handpiece to the motor while the motor is running.
- Do not bend motor cord sharply.

Failure to comply with any of the above instructions may void your warranty

## CLEANING THE CONSOLE:

The exterior of the console may be cleaned by wiping with a soft cloth moistened with mild detergent or disinfecting solution.

## HANDPIECE:

The Aseptico AEU-10 System includes the AHP-101 straight handpiece. This handpiece features a quick-twist chuck that will accept any standard HP (3/32") shank bit (or bur) or any Doriot style attachment.

### To Install Bit:

1. Open collet by turning grip 1/4 turn as shown in *Fig. 4* until you feel a "click". The gap between the grip and handpiece retainer will narrow when the collet is open.
2. Insert bit fully into collet.
3. Close collet by turning grip 1/4 turn as shown in *Fig. 3*.

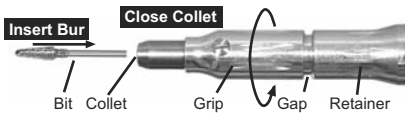


Figure 3

### NOTE:

Before use, check to insure that bit is fully inserted and grip is firmly secured in locked position.

### To Remove Bit:

1. Open collet by turning grip 1/4 turn as shown in *Fig. 4* until you feel a "click".
2. Push bit back into collet and turn to release.
3. Pull bit straight out of collet.

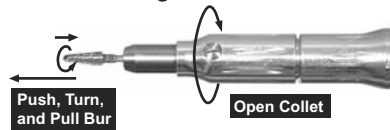


Figure 4

### Sterilization:

The AHP-101 steam autoclaving sterilization procedure provided below has been independently validated to achieve a sterility assurance level (SAL) of  $10^{-6}$ .

**This handpiece must be sterilized before initial use and between each patient use per the following procedure:**

- **Scrub dirt and other debris from handpiece** and wipe clean with a cotton swab or cloth.
- **Autoclave** at 132°C (270°F) for ten minutes.
- **Do not rinse or submerge** in any solution, or use ultrasonic cleaners.
- **Do not lubricate.** The sealed bearings in this handpiece eliminate the need for lubrication.

## TROUBLESHOOTING:

Problem:	Correction:
"On" Indicator does not light when turned on:	<ul style="list-style-type: none"><li>• Check console to power connection.</li><li>• Check that voltage is proper voltage.</li><li>• Check fuse. If blown, replace with 5x20mm 0.5A/250V fast-acting fuse.</li></ul>
"On" Indicator lights when turned on, but handpiece does not turn:	<ul style="list-style-type: none"><li>• Depress foot pedal (if used).</li><li>• Check foot pedal connection (if used).</li><li>• Check motor plug connection.</li><li>• Test for possible bad handpiece by removing handpiece from motor and then running motor by itself.</li><li>• Check that Hand/Foot Selector switch is placed fully in either the "Hand" or "Foot" positions and isn't set halfway between.</li><li>• Check that a bit is properly seated in the handpiece and the collet is closed.</li></ul>
"On" Indicator dims and goes out, and/or motor slows and stops working.	<ul style="list-style-type: none"><li>• Test for possible motor/cable short by removing motor cable from motor receptacle.</li><li>• Test for possible bad bearings in the motor by removing the handpiece from the motor then running motor by itself.</li></ul>

## WARRANTY

Aseptico warrants its products against defects in material or workmanship for a period of two (2) years, from date of original invoice. Some handpieces are warranted for one year under the same conditions. Other handpieces and expendable components, such as air turbines and light bulbs, are covered by shorter warranty periods, or have no warranty. Aseptico's sole obligation under product warranty is (at its sole option and discretion) to repair or replace any defective component or product in part or whole. Aseptico shall be the sole arbiter of such action.

In the event of alleged defect under warranty, the purchaser is to notify Aseptico's Customer Service Department promptly. Customer Service will provide instructions, usually directing that the product be returned for service. Shipment to Aseptico and the cost thereof is always the responsibility of the purchaser.

Accidental misuse, inappropriate installation, or failure to perform directed maintenance voids the warranty.

Aseptico does not assume, under this warranty, any risks or liabilities arising from the clinical use of its products, whether or not such use involves coincidental utilization of products manufactured by others.



P/N: 420270  
Rev. I  
ECO 12576  
03/2011

P.O. Box 1548 • Woodinville, WA 98072  
8333 216th Street SE • Woodinville, WA 98072  
(425) 487-3157 • (800) 426-5913  
[www.aseptico.com](http://www.aseptico.com) • [info@aseptico.com](mailto:info@aseptico.com)

PRINTED IN  
THE U.S.A.