**INTRODUCTION**

Proper maintenance and repair will bring long life to this product. Please follow the instruction for use handy for your reference.

Accidents that occur by not following the instruction for use manual is not Saeshin’s responsibility. Products’ appearance or specification is subject to change without notice.

The user is responsible for the operation and maintenance of this product.

When informing the model which similar back-up condition and contact detail will be necessary in order for Saeshin to provide consultation.

Fabricate, repair or process prosthetics, dental fillings, orthodontic devices, etc.

**WARRANTY**

Saeshin guarantees our product for 1 year from invoice date, and product warranty means that Saeshin has responsibility of defective material or operation failure. The product warranty does not cover user’s misuse, wrong operation, maintenance and repair, and normal wear of consumables such as bearings, spindle, gear, and motor. To check the warranty requires the operating condition, environment information, serial number of the product, and stamped invoice. The warranty will be performed or exchanged by manufacturer’s judgement and analysis of product.

**Exception of warranty**

- User’s misuse or improper use and treatment
- Use the product with incorrect input voltage (AC voltage)
- Drop the device during setting, using, moving
- Use the not recommended consumables
- Malfunction after repairing the product at the not recommended repair shop
- Normal wear of the consumables such as ball bearing, gear, chuck, spindle case assy, motor
- Faulty by Act of God

**PRODUCT SPECIFICATION**

**Handpiece**

**Model Name**

TORQUEPRO(AEU-16SS-120)

**Input**

AC 120V, 50/60Hz

**Rpm**

50,000 rpm

**Torque**

8.0 N·cm

**Fuse**

500~1,060 mAh

**Limit Button Function**

This button is used to limit the maximum speed.

- Maximum speed is set to 50,000 rpm minimum value is 40,000 rpm.
- Push the limit button and turn the speed control dial fully. Maximum value is increased to 50,000 rpm.

**Operation, controlling by Hand**

Push the Hand/Foot button to select the handpiece. Check, If it is turned on properly, while pushing the moter button properly.

- Press the motor button again to stop the motor.

**GROUPEMENT FOR MAINTENANCE**

1. Keep the handpiece surroundings clean.
2. Remove any dust on handpiece with a smooth cloth with alcohol and avoid getting wet inside.
3. Do not spill or water to the handpiece, otherwise vibration, noise, heat and bearing damage may occur.
4. Air cleaning is acceptable, but pressure may negotiately affect the handpiece.
5. Do not put the handpiece in a water tank to clean it.
6. Do not use the water to clean the handpiece, otherwise vibration, noise, heat and bearing damage may occur.
7. Keep the control box clean as debris around the workplace can cause an accident.
8. Memory Memory saves the conditions of direction and hand/foot selection when the power-off.
9. Do not work in a dangerous place. Do not use the control box in a humid place.
10. Do not contact the power cord with wet hand. Do not use with a loose power plug which can cause danger of electric shock and fire.
11. Do not use the power cord excessively and do not press-down with a heavy object as it may cause electric shock and fire.
12. Do not place near of heated equipment, candles or cigarettes which can cause a fire.
13. Do not use children unattended in any room where this product has been installed.
14. Type of protection against electric shock - Class I equipment.
15. This equipment is not suitable for use in the presence of flammable anesthetics or oxygen.
16. Use only a grounded appliance. A leakage of electric leak may cause danger of electric shock.
17. For grounding, inquire with an electrician or manufacturer.
18. Use the products in proper as the instruction manual and do not use products not recommended by the manufacturer as it may cause injury or electric shock.
19. Saeshin is not responsible for any accident caused by not following the instruction manual.
20. Use a power cord that has the appropriate rating for the product.
21. Do not use with a damaged or faulty power cord, plug, and outlet. It may cause danger of electric shock and/or electric shock. Contact the manufacturer.
22. When unplugging the power cord, do not touch with wet hand. Do not use with a loose power plug which can cause danger of electric shock and fire.
23. Do not use the power cord excessively and do not press-down with a heavy object as it may cause electric shock and fire.
24. Do not place near of heated equipment, candles or cigarettes which can cause a fire.
25. Do not use children unattended in any room where this product has been installed.
26. Type of protection against electric shock - Class I equipment.
27. This equipment is not suitable for use in the presence of flammable anesthetics or oxygen.
28. Use only a grounded appliance. A leakage of electric leak may cause danger of electric shock.
29. For grounding, inquire with an electrician or manufacturer.
30. Use the products in proper as the instruction manual and do not use products not recommended by the manufacturer as it may cause injury or electric shock.
31. Saeshin is not responsible for any accident caused by not following the instruction manual.
32. Use a power cord that has the appropriate rating for the product.

**CHANGE COLLET CHUCK**

1. Be sure to pull out the power cord from the control box.
2. Turn off the switch of the motor and foot pedal.
3. Take off the bur andillet screw assembly will be released.
4. Open the chuck turning handle in an open direction.
5. Set and fix the wrench 1 counter clockwise.
6. Turn each wrench 1 clockwise.
7. Close the chuck and turn the power on. If it doesn’t work please contact the dealer or manufacturer.
8. If the motor shows E1 error contact the dealer or manufacturer.

**ERROR CODE**

- E1: Over-current
- E2: Overload
- E3: Over-current
- E4: Overload
- E5: Over-current
- E6: Overload
- E7: Over-current
- E8: Overload
- E9: Over-current
- E10: Overload

For your safety, Keep to the following:

1. Be sure to pull out the power cord from the control box.
2. Turn off the switch of the motor and foot pedal.
3. Take off the bur andillet screw assembly will be released.
4. Open the chuck turning handle in an open direction.
5. Set and fix the wrench 1 counter clockwise.
6. Turn each wrench 1 clockwise.
7. Close the chuck and turn the power on. If it doesn’t work please contact the dealer or manufacturer.

-20~60

**CONDITION**

**Check point**

- Check if the control box is connected well with outlet.
- Ask the dealer or manufacturer.

**Solution (Remedy)**

- Check the power cord connected well from outlet to connector.
- Ask the dealer or manufacturer.

**CONDITION**

**Check point**

- Check if the control box is connected well with outlet.
- Ask the dealer or manufacturer.

**Solution (Remedy)**

- Ask the dealer or manufacturer.

**CONDITION**

**Check point**

- Check if the handpiece is open.
- Open the chuck and turn the power on. If it doesn’t work please contact the dealer or manufacturer.

**Solution (Remedy)**

- Check the handpiece again to the control box. If it still shows E0 contact the dealer or manufacturer.

**CONDITION**

**Check point**

- Check if the control box is connected well with outlet.

**Solution (Remedy)**

- Ask the dealer or manufacturer.