



MANUAL

AF125

Microspeed

- Carefully read these instructions before use to avoid improper use and accidents
- Keep this manual for future reference

This product is primarily designed for the cosmetic care of the skin and nails of hands and feet. The device is intended for use in commercial areas.

To ensure optimal operation for many years, read the entire manual before use and keep it for future reference. This manual is also available on the website www.tecniwork.it within the product sheet for the Microspeed micromotor.

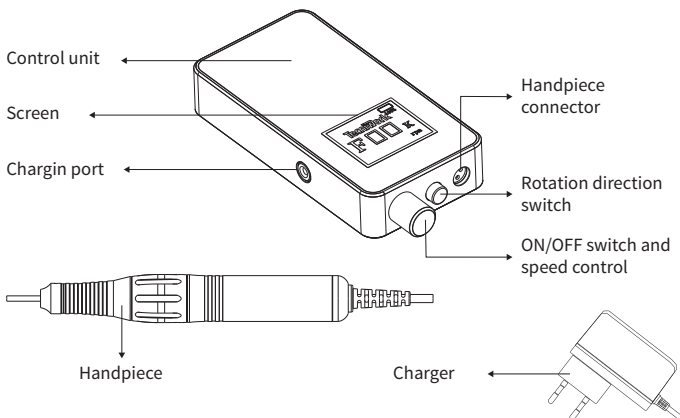
The manufacturer is not responsible for accidents caused by failure to follow these instructions. The product design and specifications may be subject to modifications to improve quality.

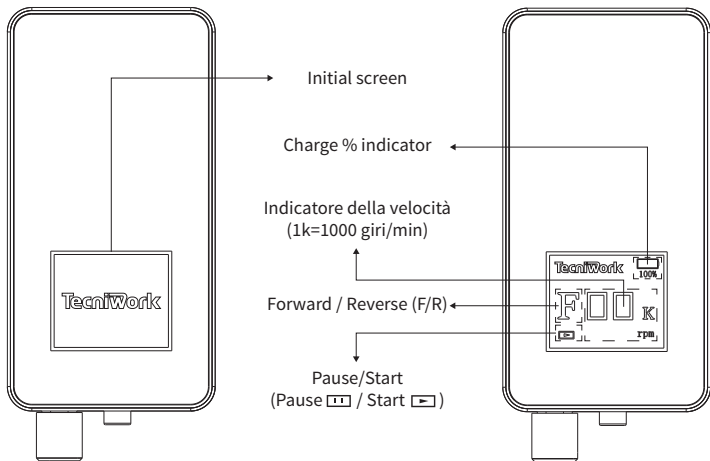
In case of malfunctions, provide the model, the type of issue, and a contact; a quick service will be guaranteed.

Warranty

1. Control unit and charger – 1 year
2. Handpiece – 1 year (the warranty does not cover improper use or normal wear of bearings, brushes, the clamp, the chuck, and the casing).
3. Failures not covered by the warranty:
 - Malfunctions caused by users who do not follow the instructions
 - Use with incorrect voltage (AC voltage)
 - Drops or falls
 - Improper or incorrect use
 - Use of consumable parts or accessories not specified by the manufacturer
 - Force majeure (fires, floods, etc.)

Configuration and Operation





Instructions

Disconnect the device from the power outlet after charging;

THE DEVICE ONLY WORKS WHEN DISCONNECTED FROM THE POWER OUTLET.

1. Charging indicator: It is active whether the device is on or off and charging. The battery charge gradually increases during charging, whether the device is off or on.
2. Speed adjustment button: Turn clockwise to increase speed and counterclockwise to decrease it.
3. F/R button: "F" means forward, "R" means reverse; press the F/R button to change the rotation direction.
4. Speed indicator: "1k" means 1000 RPM, "00k" means pause, "35k" is the maximum speed.
5. Turning on/off: Press the speed adjustment button for 3 seconds to turn it on or off.
6. Pause/Start: After turning on, the device is in pause mode. Press the speed adjustment button for 1 second to start it, and repeat the same action to stop it.
7. **Battery care: Charge the device when the screen shows 30% battery to avoid being unable to use it when needed.**
8. These instructions apply to the Microspeed model.

Settings and Operation

1. Check and make sure that the control unit switch is on
2. Connect the handpiece to the control unit
3. Rotate the handpiece and make sure that the bur is completely locked (Figure a)
4. One hand holds the handpiece and the other turns on the control unit with the switch
5. Rotate the speed adjustment button on the control unit to check whether the handpiece works normally
6. Press the F/R button lightly to check whether the control
7. Clamping the bur: follow the direction of the arrow and rotate the handpiece ring to completely lock the bur, then turn on the device. Rotate in the opposite direction to open the clamp and replace the bur (Figure a)

Precaution

1. Avoid using this product in hazardous environments. Choose a dry and ventilated place to use the handpiece
2. Conditions:

Temperature (C)	Relative humidity (%)	Atmospheric pressure (hPa)
10 - 30	30 - 75	700 - 1060

3. Bur Requirements:
 - Read the bur manufacturer's instructions and strictly follow the guidelines
 - Purchase burs that match the collet size
 - Minimum bur distance: 10mm (Figure B)
 - The maximum length between the collet tip and the bur is 35mm (Figure B)
 - Avoid using burs that are rusty or bent, as they may cause excessive bearing wear
4. Operate the handpiece at the speed recommended for the bur size; excessive speed can cause damage and hazards (Figure C: maximum speed for various burs)



The maximum recommended shank length for insertion into the clamp is 27/30 mm. The longer the shank is exposed to centrifugal force, the weaker it becomes, increasing the risk of bending. Applying excessive speed to large-diameter burs can lead to serious accidents, such as: shank bending (which may hit fingers), bearing damage, clamp deformation, etc.

5. Adjust the speed gently using the control unit.
6. Check for any issues, including bur vibration, at low speed, then increase the speed.
7. Replace the bur when the handpiece is stationary. Open the clamp, then remove the bur when the handpiece is not in operation.

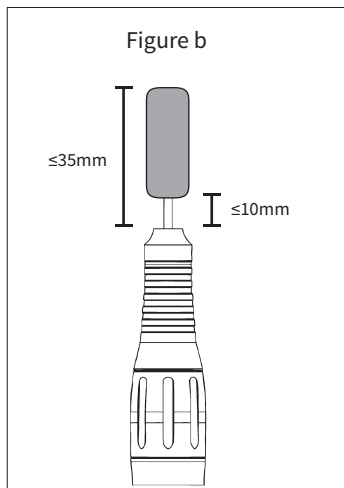
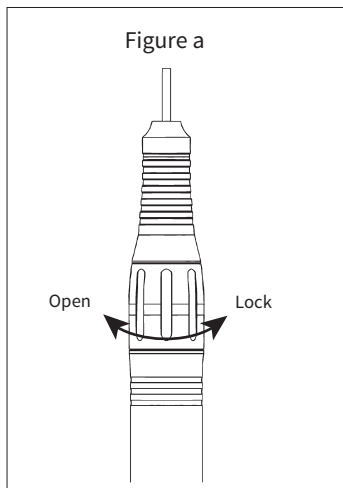
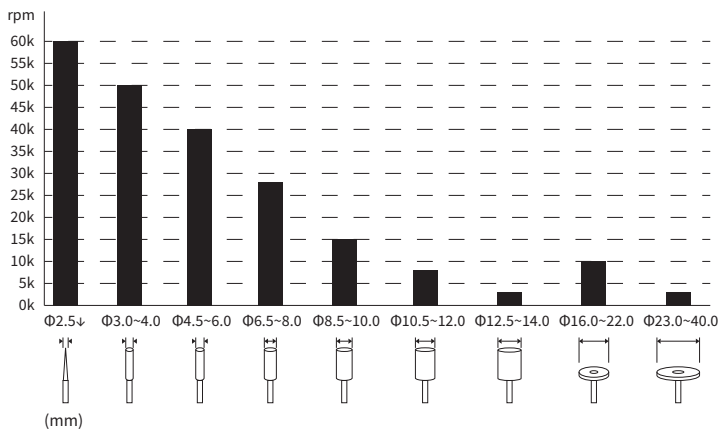


Figure c



8. Do not drop or damage the handpiece, as these are the main causes of bearing failure.
9. Do not open the clamp while the device is operating. Otherwise, the motor will stop, and the control unit will be damaged.
10. In case of overload, the motor stops immediately. Avoid excessive workload.
11. After use, keep the handpiece with the bur in the clamp.
12. Do not set down the handpiece until it has completely stopped.
13. Use only the accessories specified for this product.
14. For the recommended speeds in various applications, follow the bur manufacturer's instructions.
15. Wear the recommended protective clothing and equipment, including a dust mask and protective goggles. Use an appropriate vacuum and a fan.
16. Keep the work area clean. Debris can cause accidents.
17. Do not apply oil.
18. This device uses high-capacity rechargeable lithium batteries and requires regular maintenance and careful use. To ensure optimal battery life, keep the battery charged to 80% if not used for 2 months. Refer to the lithium battery maintenance guidelines. THIS DEVICE CONTAINS BATTERIES THAT CAN ONLY BE REPLACED BY QUALIFIED PERSONNEL.
19. When the display shows a full charge percentage, continue charging for 15 minutes to achieve a complete charge.



WARNING: Use only an external power adapter with the following specifications:
Input: AC 100-240V / 50-60HZ - Output: Max DC 12V / 1A.



WARNING: Use only the power unit supplied with this device.

20. The normal temperature range for battery charging is between 10°C and 30°C.
21. The vibration value of the hand-arm system does not exceed 2.5 m/s².

The A-weighted sound pressure level is below 70 dB.

The hand-arm vibration level is below 2.5 m/s².

Safety Instructions

1. Do not use if the power cable, socket, or plug is damaged or not functioning properly. This could pose a risk of fire or electric shock. If the power adapter and/or its power cable is damaged, they must be replaced with the same adapter at the service center.
2. Do not use the plug if it is broken. It could cause a risk of electric shock or fire.
3. Unplug the power cable by holding the plug and do not touch it with wet hands.

- Do not excessively bend the power cable or place heavy objects on it. This may cause a risk of electric shock and fire.
- Do not place near hot equipment, candles, or cigarettes that may cause fires.
- Keep out of reach of children.
- Power interruptions may cause electric shocks.
- Do not connect multiple high-power devices to the same electrical outlet. This may cause a risk of electric shock and fire.
- Do not place or operate the device in humid or wet environments due to the risk of electric shock or fire.
- Do not let the device get wet; always keep it dry.
- Do not drop or damage the handpiece. In case of malfunction, drop, or water exposure, do not use and contact the distributor.
- Use the device only for its intended purpose as specified in the instructions.
- Do not modify the product's functions.
- The manufacturer is not responsible for accidents caused by failure to follow the instructions.
- Wear safety equipment before use: protective glasses and safety gloves.
- This device is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or those lacking experience and knowledge, unless they have been supervised or instructed on the use of the device by a person responsible for their safety.
- Children should be supervised to ensure they do not play with the device.
- The device must only be used with the provided charging unit.
- The device must be powered only by SELV.

Product Specifications

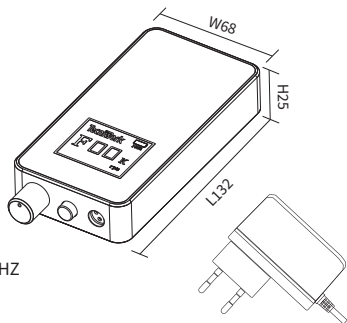
CONTROL UNIT

Max Input Current: DC 12V / 1A

Weight: 333 g

Dimensions (mm): L 132 W 68 H 25

Battery capacity: 2600 mAh



CHARGER

Max Input Current: AC 100-240V / 50-60HZ

Max Output Current: DC 12V / 1A

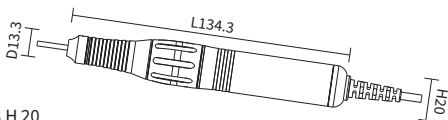
HANDPIECE

Speed: 35,000 RPM

Voltage: 12V

Weight: 145 g

Dimensions (mm): L 134.3 D 13.3 H 20



Handpiece Maintenance

1. Keep the area around the handpiece free of dust and debris.
2. Remove dust from the handpiece by cleaning it with isopropyl alcohol, avoiding any internal moisture.
3. Air cleaning is possible, but excessive air pressure can cause serious damage to the handpiece and motor.

Error codes

- E1 Alarm:** When the charger is connected to the unit, the handpiece does not work, and the LCD screen displays E1; disconnect the charger, and the handpiece starts spinning.
- E3 Low Voltage Alarm:** When the battery voltage is too low, the LCD screen displays a red E3 alarm, and the device shuts off within 15 minutes
- E4 Stall Protection Alarm:** If the handpiece is overloaded or forcibly stopped, the LCD screen displays E4; reset it to "00k," and all functions return to normal.
- E5 Overvoltage Alarm:** If the charger voltage exceeds 13V/1A, the screen will display E5, indicating possible damage or circuit protection. Ensure you use the original 12V/1A charger.

Explanation of Symbols



The crossed-out wheeled bin symbol on the equipment indicates that the product must be disposed of separately from other waste at the end of its useful life. The separate collection of this equipment at the end of its life is organized and managed by the manufacturer.

Users wishing to dispose of this equipment must contact the manufacturer and follow the system adopted for separate collection.

The device must be disposed of if any liquid leakage is detected.

THIS DEVICE CONTAINS BATTERIES THAT CAN ONLY BE REPLACED BY QUALIFIED PERSONNEL.



Compliance with relevant EU Directives



The device must be used exclusively indoors (IP20)



Indicates that the device is powered by a detachable charger for battery recharging



To be used only with the provided power unit:
KEERDA – DZ012ELL120100V



Protection Class III
Extra-low voltage equipment



Rechargeable batteries