

# Safety, Operations & Maint. Manual

## **Micro-Scrub®**



This unit is intended for commercial use

This manual is furnished with each new **Micro-Scrub**. It provides necessary operation and maintenance instructions.

**READ AND FOLLOW ALL INSTRUCTIONS, WARNINGS AND CAUTIONS BEFORE AND WHEN USING THIS SCRUBBER. THE MACHINE MAY ONLY BE USED BY PERSONS WHO HAVE BEEN INSTRUCTED IN ITS HANDLING AND EXPRESSLY ENTRUSTED WITH THE OPERATION THEREOF.**

All information and specifications printed in this manual are current at the time of printing. However, because of Fas-Trak's policy of continual product improvement, we reserve the right to make changes at any time without notice.

### **WHEN THE MACHINE IS DELIVERED**

Congratulations on your excellent choice. The **Fas-Trak Industries Micro-Scrub** is a light and easy to handle battery-powered machine for many different kinds of routine daily cleaning activities. The machine is useful for cleaning staircases, walls and other difficult to reach places.

This scrubber will afford you many years of trouble-free operating satisfaction, provided it is given proper care. All parts are passed rigid quality control standards prior to their being assembled to the finished product. Prior to packaging, your scrubber was again inspected for assurance of flawless assembly.

This scrubber is protectively packed to prevent damage in shipment. When the machine is delivered carefully check the carton for signs of damage.

Unpack the machine from the carton and inspect it for any possible damage.

Only a visual examination will reveal damage that may have occurred in transit. If damaged is discovered, immediately notify the transportation company that delivered your scrubber and request an inspection. As a shipper we are unable to report any claim for damage. You must origin any claim within 5 days of delivery. Be sure to keep the carton, packing inserts, packing list and carrier's receipt until the inspector has verified your claim. **FAS-TRAK'S LIABILITY CEASES WHEN THE SHIPMENT IS PICKED UP BY THE CARRIER.** Fas-Trak will furnish any information needed to expedite the claim process.

**REV 6/09**

## GENERAL PRECAUTIONS

FAILURE TO FOLLOW PRECAUTIONS AND WARNINGS MAY CAUSE SERIOUS INJURY TO THE OPERATOR AND CAUSE DAMAGE TO MACHINE, WHICH CAN VOID WARRANTY. TO REDUCE RISK OF FIRE, ELECTRIC SHOCK OR INJURY: READ ALL INSTRUCTIONS BEFORE AND WHEN USING THIS SCRUBBER.

### WARNING

**To Avoid Electric Shock, Do Not Expose to Rain. Store Indoors.**

#### **DO NOT EXPOSE THE MICRO-SCRUB TO OR SUBMERGE IN WATER**

- This is **NOT** a toy. Close attention is necessary when used around or near children.
- Use only as described in this safety/operations manual. Use only manufacturer's recommended attachments and accessories.
- **Do not** use this scrubber with damaged cable. If the scrubber is not working as it should, because it has been dropped, damaged, left outdoors or dropped into water, contact authorized service center or factory.
- **Do not** handle the plug of the scrubber with wet hands.
- Store scrubber indoors in a dry area. **Do not** expose to freezing temperatures.
- **Do not** put any objects into openings. **Do not** use with any opening blocked; keep free of dust, lint, hair and anything that may reduce air flow.
- Keep hair, loose clothing, fingers and all parts of body away from openings and moving parts.
- Any manner of working that represents a safety hazard must be refrained from.
- **Do not** use where anesthetics or oxygen is used.
- Replace damaged or worn parts immediately with genuine original equipment parts to maintain safety and to protect your limited warranty.
- **Do not** pressure-wash the scrubber, as it may cause a short circuit, damage to components and/or operator injury.

#### **CLEANING CHEMICALS AND HAZARDOUS DUST/LIQUID**

- Attention must be paid to the manufacturer's safety instructions when using cleaning and care chemicals. Wear safety glasses and clothing if necessary.
- The danger of using easily flammable, toxic, health-damaging, caustic or irritating substances is expressly pointed out.
- Do not use the scrubber for surfaces that can release dust and liquids that are hazardous to health.

#### **GENERAL SAFETY INSTRUCTIONS FOR BATTERY-OPERATED MACHINES**

- **Observe** the safety and accident prevention regulations pertaining to the handling and installation of batteries.
- **Observe** the operating and handling instructions of the battery manufacturer.
- Before charging, check the battery cable and the charger cable and replace them if necessary.
- Smoking is **strictly prohibited** when charging batteries.
- Avoid open flames, flying sparks and glowing objects.
- Fire prevention equipment must be easy to access.
- Drinking and eating is **prohibited** in rooms where charging takes place.
- Wash hands thoroughly immediately after working on the batteries.

- **Risk of short circuit or fire! Do not place** metal objects on the batteries.

## CARE OF MICRO-SCRUB

This scrubber is designed to be safe when used to perform cleaning functions as specified. Should damage occur to electrical parts, the unit should **NOT** be used until the damage is repaired by the manufacturer of an authorized service center. This will avoid further damage to the scrubber or injury to the user.

These instructions are for your protection and information.

**PLEASE READ CAREFULLY!** Failure to follow instructions or precautions could result in injury or damage to the user and/or the scrubber.

## SAVE THESE INSTRUCTIONS!

## PARTS & ACCESSORIES

- The disk connected to the motor and the on/off switch on the handle of the plastic molding are standard
- Reversible telescope handle, including the adjustable grip.
- Battery, NiCd 9,6 V 3000 mAh.
- Quick battery charger 120 V
- Nylon brush (several models, different degrees of coarseness, suitable for several purposes, available)
- Nylon pads (different degrees of coarseness available)
- Microfiber pad
- Solution dispenser.

## BEFORE USING THE MICRO-SCRUB

1. Check that voltage of power source is the same as battery charger. (120 V)
2. Charging of the battery is only permitted in dry areas.
3. Put the plug of the charger in the wall socket and place battery in the charger.
4. Use only battery chargers which are approved by your dealer.
5. When the green light shows, battery is charged and is ready for use.
6. Remove battery from charger and insert into the special opening of the machine head.
7. Press battery firmly down till bottom. The catches on the battery take care of bringing the battery into the right position inside the machine.
8. Place the brush with nipples up in the holes of the drive disk on the bottom of the motor.
9. If the nylon brush loses its shape it can be straightened by immersing the brush in hot water for 30 seconds. The brush will regain its original shape.
10. Working with pads, they should be placed as central as possible on the driving disk and directly attached to the Velcro.
11. The right working position, depending on the job, will be obtained by fixing the telescope handle on the correct length, using the plastic turn lock.
12. Use the screw buttons, to fix the adjustable handle in the preferred position.
13. Check that the machine is in proper condition.
14. Remove obstacles, such as furniture etc. from the area to be cleaned. Large pieces can be removed to opposite end of the room from where you start cleaning.
15. All covers, hoods and lids must be correctly attached and closed. Make sure all switches are in the OFF position.

### Reversible telescopic handle

16. Place the telescopic handle in the opening of the handle at the motor part and press firmly until the fixing button on the connector comes up. Tighten the fixing bolt on the iron support slightly.
17. Before removing the handle, first loosen the fixing bolt on the iron support slightly. Push the button on the connector of the handle and pull to remove while holding the button.

## DURING OPERATION

### With telescopic handle, when right handed:

- Take the adjustable grip into the left hand.
- Take the top handle with on/off switch in the right hand.
- Pull the trigger switch and keep this pulled during use. After the switch is released, motor stops instantly.

### As hand held unit without the telescopic handle.

- Take the motor part by the plastic grip on top in the right hand.
- The motor part of the Fas-Trak Industries Micro-**Scrub** has a standard safety lock on top of the grip, which blocks the use of trigger switch.
- Push the safety lock with your thumb forward, before using the trigger switch. When motor is running the safety lock can be released.
- The motor starts running as soon as the trigger switch has been pulled. If the trigger switch is continuously pulled it keeps the motor running. After the switch is released, the motor stops instantly.

## AFTER USING THE MICRO-SCRUB

- Remove brush or pad from the machine and clean thoroughly.
- Brush to be stored with bristle up to avoid damage to brush shape.

## INSTRUCTIONS FOR BATTERIES

### When battery is low

- Remove the battery from your Fas-Trak Industries Micro-**Scrub** by pressing on the tabs on both sides of the battery and pulling the battery out of the motor part.
- Plug the quick battery charger into the wall socket. The indicator light is green.
- Place battery into charger. The red light indicates charging.
- If you have trouble getting a red light for charging, insert battery to the charger and remove again within 15 seconds.
- This resets the safety zone on the battery.

### Safety instructions for battery and machine

- **Never use charger in wet or moist environments!**
- Prevent damage to electric cables, caused by sharp edges or objects. In case the power cable is damaged, charger should be taken to an authorized repair shop by manufacturer. Changing cables require special tools and spare parts.
- Never destroy worn-out batteries by burning. They may explode!
- In case liquid from battery contacts skin, proceed as following:
  1. Wash the contacted skin with water and soap
  2. Neutralize the battery liquid with vinegar or juice of lemon (acid)
  3. If battery liquid contacts the eyes, at one rinse eyes with clean water for at least 10 minutes.
  4. Contact a doctor immediately.
- Only carry out work on batteries according to battery manufacturer's instructions.
- Wear safety glasses and clothing when working on batteries.
- Observe the accident prevention rules and regulations.
- Smoking is strictly prohibited.
- Keep battery away from open flames, glowing objects and sparks, otherwise there is a danger of explosion and fire.

## INSTRUCTIONS FOR BATTERIES (cont.)

- Immediately rinse any acid splashed into eyes or onto skin out or off with plenty of clean water. Then immediately consult a doctor.
- Wash out clothing contaminated with acid with water.
- Avoid short circuits! Explosion and fire hazard!
- **WARNING!** Metal parts in the battery cells are always live. Therefore, do not put/store objects or tools on the battery.
- Electrolyte is extremely caustic. Contact with the electrolyte is not possible during normal operation.
- In the event of destruction of the casing of batteries, the bound electrolyte released is just as caustic as the liquid electrolyte.
- Batteries filled with acid must not be handled by children.
- Use only approved lifting and transport equipment.
- Lifting hooks must not cause damage to cells, connectors or connection cords/cables

### Charging

#### **WARNING!**

**Only use chargers approved by Fas-Trak Industries for charging.**

**Attention!** Worn-out batteries can damage environment, should be taken to a centre for hazardous waste disposal and not mixed to normal refuse collections and disposal.

Under extreme circumstances, little liquid might extend from battery. This does not necessarily indicate failure or damage.

### Care

- The battery is to be kept clean and dry at all times in order to avoid leak currents and sparking.
- For cleaning, remove batteries, wear safety glasses and protective clothing. Select the place of installation so that dirty water produced during cleaning is channeled to a suitable waste water treatment plant.
- The cell plugs must not be unscrewed.
- The plastic parts of the batteries may only be cleaned with water or cleaning cloths soaked in water without additives. After cleaning, the surface of the batteries is to be dried (compressed air, cleaning cloth).

### Storage

- If batteries are taken out of service for any length of time, they are to be stored fully charged in a frost-free room.
- Due to the batteries' spontaneous discharging, recharging needs to be done at regular intervals.

### Faults

If faults are found, the customer service staff must be informed promptly.

### Disposal

Old batteries showing recycling symbols are re-usable commercial goods and must be channeled to the recycling process.

All other batteries are to be disposed of as hazardous waste in accordance with existing regulations.

### Warranty

Failure to comply with the operating & handling instructions, carrying out repairs using non-original spare parts and attempts to carry out the repairs by the user lead to a loss of the right to make claims under the warranty.

## MAINTENANCE AND REPAIR

- Only do maintenance work described in this manual.
- Always use original spare parts.
- **WARNING!** Do not make any technical alterations to scrubber. This can put your safety at risk and will cease the warranty.
- Always contact authorized service center or factory for other maintenance and repair work.

## OTHER WARNINGS

### WARNING

**Service and repairs should only be performed by an authorized service center.**

- Though the Fas-Trak Industries Micro-**Scrub** is protected against penetration of liquid, only driving disk and not motor nor battery are allowed to get into contact with water.
- The Fas-Trak Industries Micro-**Scrub** has a splashguard. Depending on the job however, wearing eye and face protection are recommended to protect against direct contact with cleaning agents during operation.
- Working on stairs or platforms, observe all appropriate safety regulations. Consider torque caused by machine.
- Ensure that loose clothing or other material does not become entangled in rotating parts of the Fas-Trak Industries Micro-**Scrub**.

## TECHNICAL INFORMATION

- Battery 9,6 V NiCd 3000 mAh
- Quick battery charger 120 V – charging time 60 minutes
- Operational time with single battery, aprox. 1,5 hr
- Drive disk / brush speed 350 rpm
- Brush body and bristle made of nylon
- Drive disk fits 6 to 6.5 inches pads.
- Fas-Trak Industries Micro-**Scrub**, including battery, weights 6 lbs. only
- Battery, quick battery charger and Fas-Trak Industries Micro-**Scrub** have CE approval.