

HILD™
BY MYTEE
INDUSTRIAL

SM-100™

Instruction
Manual
&
Safety Guide



SPINMASTER™



CONGRATULATIONS!

Thank you for choosing Mytee Products for your supply needs. By doing so, you have joined thousands of your fellow cleaning professionals in choosing quality, service, and value in your equipment.

This manual is designed to help you with the setup, maintenance, and operation of your new unit. Please read and review it carefully before using the equipment for the first time. It also contains information on optional accessories, cleaning tips, and a troubleshooting guide.


We here at Mytee Products would like to welcome you to the team, and wish you the best for the future.

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SAFETY PRECAUTIONS

This machine is intended for commercial use. It is designed to clean carpet and upholstery in an indoor environment and is not constructed for any other use. Use only recommended cleaning solutions and accessory tools. All operators must read, understand and practice the following safety precautions:

 **WARNING:** Flammable materials can cause an explosion or fire. Do not use flammable materials in tank(s).

FOR SAFETY:

1. Do not operate machine:

- ◆ **Unless trained and authorized.**
- ◆ **Unless operator manual has been read and understood.**
- ◆ **In flammable or explosive areas.**
- ◆ **Unless cord is properly grounded.**
- ◆ **With damaged cord or plug.**
- ◆ **If not in proper operating condition.**
- ◆ **In outdoor areas.**
- ◆ **In standing water.**

2. Before operating machine:

- ◆ **Make sure all safety devices are in place and operate properly.**

3. When using machine:


- ◆ **Do not run machine over cord.**
- ◆ **Do not pull machine by plug or cord.**
- ◆ **Do not pull cord around sharp edges or corners**
- ◆ **Do not unplug by pulling on cord.**
- ◆ **Do not stretch cord.**
- ◆ **Do not handle plug with wet hands.**
- ◆ **Keep cord away from heated surfaces.**
- ◆ **Report machine damage or faulty operation immediately to your distributor.**
- ◆ **Follow mixing and handling instructions on chemical containers.**

4. Before leaving or servicing machine:


- ◆ **Turn off machine.**
- ◆ **Unplug cord from wall outlet.**

5. When servicing machine:

- ◆ **Unplug cord from wall outlet.**
- ◆ **Avoid moving parts.**
- ◆ **Do not wear loose jackets, shirts, or sleeves.**
- ◆ **Use manufacturer supplied or approved replacement parts.**

 **WARNING:** Hazardous Voltage. Shock or electrocution can result. Always unplug machine before servicing.

Machine must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electrical shock. This machine is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be plugged into an appropriate outlet that is properly installed in accordance with all local code and ordinances. Do not remove ground pin; if missing, replace plug before use.

 **WARNING:** Flammable materials or reactive metals can cause an explosion or fire.

WARRANTY

Mytee Products, Inc. endeavors to provide high quality products and product support to its customers and therefore backs up all of its new products purchased from Mytee Products Inc. ("Mytee") or any authorized Mytee distributor/service center with this limited warranty. This limited warranty begins on the date of the customer's purchase and is valid and available to the original purchaser only. Mytee's products are for commercial use only and are not intended for personal, family or household uses.

HOWEVER, OTHER THAN SET FORTH HEREIN, MYTEE GIVES NO WARRANTY, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS, INFRINGEMENT, OR OTHER MATTER, OF ANY GOODS WHICH MYTEE SHALL SUPPLY. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. MYTEE SHALL IN NO WAY BE RESPONSIBLE FOR THE PROPER USE AND APPLICATION OF THE GOODS. MYTEE NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR MYTEE ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF MYTEE'S GOODS. THIS LIMITED WARRANTY POLICY MAY BE CHANGED OR WITHDRAWN BY MYTEE AT ANY TIME WITHOUT NOTICE.

WEAR PARTS 90-DAY LIMITED WARRANTY: Mytee will replace all wear parts for 90 days from the date of original purchase. "Wear parts" are items which wear out as a result of usage or the passage of time and are consumed despite attempts to maintain them, such as gaskets, wheels, brass, cords, wires, electrical terminals, hoses, switches, thermostats, plastisol parts, filters, bearings, brushes, solenoids, o-rings, bulbs, heating elements, castors, or other parts deemed wear items in Mytee's sole discretion. This warranty covers the cost of replacement only and does not cover shipping or labor costs.

PUMP, VACUUM MOTOR AND HEATER 1-YEAR LIMITED WARRANTY: Mytee warrants that pumps, vacuum and floor machine motors, and heaters will be free from manufacturing defects, defects in workmanship, and defects in material for one (1) year from the date of original purchase. This warranty does not apply and is void if the pump, vacuum motor, or heater has worn brush motors, water damage, chemical build-up, chemical damage, or evidence of abuse, neglect or tampering. This warranty covers the cost of replacement or repair only and does not cover shipping or labor costs.

HOUSING 5-YEAR LIMITED WARRANTY: For five (5) years from the date of purchase, Mytee warrants a percentage of the cost of replacement of rotationally-molded housings pro-rated as follows: Mytee will pay 100% of replacement cost in the first year from the date of purchase, 75% of replacement cost in the second year from the date of purchase, 50% in the third year, 25% in the fourth year, and 12% in the fifth year. Replacement cost does not include the cost of shipping or labor.

LIMITATION OF DAMAGES: THE REMEDY OF REPLACEMENT OR REPAIR OF ANY DEFECTIVE GOODS SHALL BE THE EXCLUSIVE REMEDY UNDER ANY WARRANTY MADE BY MYTEE, WHETHER EXPRESS OR IMPLIED. IN NO EVENT SHALL MYTEE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, PROPERTY DAMAGES, OR PERSONAL INJURIES.

All limited warranties are void for, and Mytee does not warrant in any way, any product that evidences misapplication, improper installation, abuse, lack of maintenance, negligence in use or care, abnormal use, alteration of design, use of incompatible or corrosive chemicals, use in a rental service, and/or servicing, installation of parts, or repairs by anyone other than Mytee or a Mytee authorized distributor or service center.

Mytee may make changes in products it manufactures and markets at any time; these changes are made without obligation to change, retrofit, or upgrade any product previously sold or manufactured. Mytee has no obligation to honor the limited warranties set forth herein unless the original purchaser, promptly upon discovering the warranty claim and prior to continuing to use the product, contacts Mytee or a Mytee authorized distributor or service center to describe the claim and to receive and follow instructions for documenting and resolving the claim. In addition, the purchaser must provide the product to which the claim applies to Mytee or a Mytee authorized distributor or service center for a thorough inspection.

If any provision or portion of this limited warranty policy is found to be unenforceable, then the remaining provisions and portions shall remain valid and enforceable. If any provision or portion of this limited warranty policy is found to be limited by law, then that provision or portion shall be construed to make it effective within the bounds of law. For example, if there are legal limitations on the duration of warranties, the warranties made herein shall be construed to have the minimum duration required by law, or, if there are legal limitations of exclusion of remedies, the exclusions made herein shall be construed to apply to the fullest extent possible without violating the law.

The validity, construction and performance of this warranty policy shall be governed by the laws of the State of California, without respect to conflicts of laws principles. The exclusive jurisdiction of any legal action arising from or related to this warranty policy shall be in the State of California and no legal action shall be commenced elsewhere.

UNPACKING THE MACHINE

Before unpacking the machine, inspect all boxes and pallets for signs of shipping damage. Please be aware that all packages leave Mytee Products in perfect condition. Any equipment or carton damage caused during shipping is the responsibility of the freight company, and should be handled by filing a claim with the carrier.

After opening the box, unpack and identify the following included pieces:

 <p style="text-align: center;">SM100 Unit</p>	 <p style="text-align: center;">Star Attachment</p>
 <p style="text-align: center;">Glides (Set of 5)</p>	 <p style="text-align: center;">50' Extension Cord – 14/3</p>

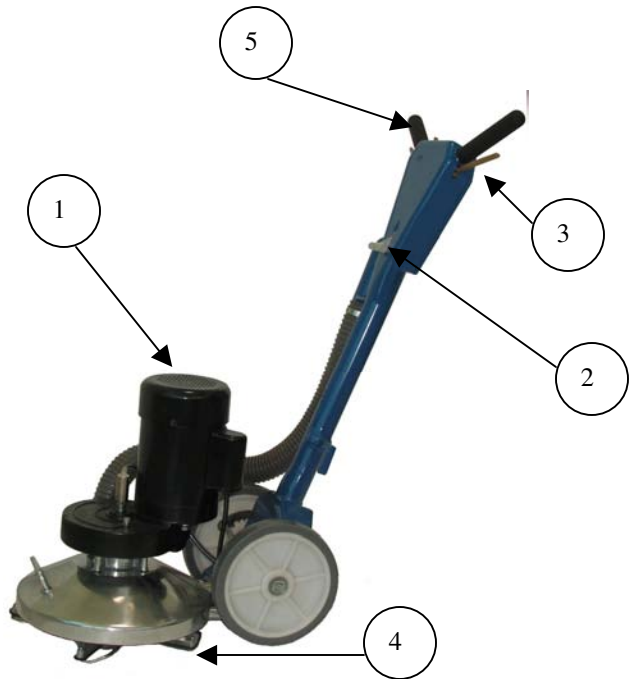
OPTIONAL ACCESSORIES

The following accessories and tools are available for this unit, and can be purchased separately at your local Mytee dealer. You can find more information on any of them at www.mytee.com.

 <p style="text-align: center;">Additional Glide Sets</p>	 <p style="text-align: center;">Replacement Star</p>
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SETUP

Step 1 – Familiarize yourself with the parts of the machine, which will assist you in the remainder of the setup.



1. Motor
2. Handle Adjustment
3. Operating Levers
4. Vacuum/Solution Star
5. Safety Lockout

Step 2 – Familiarize yourself with the safety labels on the machine. They appear on the machine. Replace labels if they become damaged or cannot be read.



WARNING LABELS - Located on back and top. Labels warn operator of safe practices for equipment



Step 3 – Unwrap the star attachment from its protective wrap, and thread onto fitting at bottom of unit. Please note, the star must be started onto the threads in a counter-clockwise motion, and after being started, must be tightened in a clockwise direction.



ATTENTION: The star must thread in straight. If you encounter resistance, do not force. Doing so may cross thread the star and damage the fitting.

⚠ WARNING: Check oil level in gearbox to make sure gears are properly lubricated. See “Maintenance” section for further details.

Step 4 – Install glides on the feet of the star. The Banana Gliders for the Rotary Extractor are designed to simply pop into the vacuum slots on the units. You may need to slightly tap each glide with a rubber mallet to completely insert.

Please note, that in some cases the star may have gasket material, which protrudes, into the vacuum slot. If this is the case, carefully use a razor to trim the gasket out of the slot, as they can block the glides from being inserted completely.



⚠ WARNING: Always use caution when using a razor or cutting instrument of any kind.

Step 5 - Connect solution hose from your extractor to fitting on Spinmaster handle.

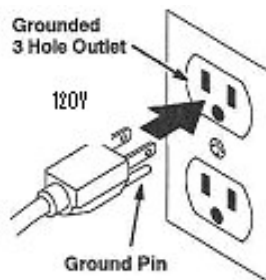


Step 6 - Connect vacuum hose to vacuum inlet on handle.



Step 7 - Connect 50' extension cord to cord on unit. Secure with cord lock.

Step 8 - Plug machine's cord into a grounded wall outlet.



FOR SAFETY: Do not operate machine unless cord is properly grounded. Never disable or remove the ground pin. Serious injury or death can result. Do not operate machine with the use of additional extension cords.

OPERATION

Step 1 – Adjust the handle. To do so, pull back on handle adjustment lever and move the handle up or down to desired operating position. Most users find that they have better control and less fatigue if the handle is in a low position, just around the hip line.

Step 2 – Controlling the motor and spray. There are triggers located on both sides of the handle. The trigger on the left controls the solution flow. Activating this trigger will lay down spray through the jets on the star. The pressure of the spray is determined by the type of pump you have hooked up, either on your portable extractor or truckmount.

The trigger on the right hand side controls the motor. To activate the motor, you must first push down the safety lockout, and then pull on the trigger. **PLEASE NOTE:** Be sure that you have good control of the unit when you activate the motor, as it will move quickly when started.

The airflow of the unit is controlled by the vacuum source you have hooked into the machine. The air flows constantly during operation.

Step 3 – Maneuvering the unit. The Spinmaster's movement is controlled by moving the handle up or down (similar to a floor machine.) To move the machine to the right, lift the handle slightly. To move to the left, lower the handle slightly. The more you lift or lower the handle, the faster the machine will move.



CAUTION – Do not tilt the machine on its side during use! Doing so may result in the ejection of your glides, damage to the star, damage to property, and/or injury.



To move the machine forward or backward, position the machine so the head is “hovering” over one spot, and then push or pull forward or back.

CAUTION – Do not operate the machine on dry carpets. The friction caused by the head movement may cause fiber damage to the carpet.

TIPS

⚠ WARNING: Flammable materials or reactive metals can cause an explosion or fire. Do not pick up.

Do not operate the machine over floor moldings. Damage to the molding and the head will occur.

Do not operate the machine on concrete or hardwood floors. The machine is designed for carpet use only. Use on other surfaces will cause damage to the unit.

Do not operate your machine over loose or unraveled carpet seams. The cleaning head may grab the loose piece and cause further damage.

Do not clean over the edge of loose carpet. Extraction heads will catch the carpet edge.

Work away from outlet and power cord to prevent cord damage.

During cleaning of plush carpet, you may notice some loose yarns being thrown from the sides of the extraction head. This is normal.

On carpets that have delaminated (the face has come loose from the backing), this machine may cause further delamination. When in doubt, do not use the unit.

The machine will leave carpet with “swirl marks” from the cleaning process. These should be brushed out at the end of cleaning with a carpet rake or brush.

To clean heavily soiled areas, repeat cleaning path from different direction.

After cleaning, relieve water pressure from tool before disconnecting hose. Squeeze trigger for five seconds after turning main power switch off.

Always hook up solution and vacuum hoses to the machine BEFORE turning on pumps or motors. Solution lines will be difficult, if not impossible to plug in while pump is pressurized.

MAINTENANCE

To keep machine in good working condition, simply follow machine's daily and weekly maintenance procedures.

FOR SAFETY: When servicing machine, unplug cord from wall outlet.

DAILY MAINTENANCE

1. Inspect cords and hoses for breaks or tears. Replace any damaged items.
2. Visually inspect machine for damage to cleaning heads, etc. Repair as necessary.
3. Clean machine with an all purpose cleaner and damp cloth.
4. Remove the in-line solution filter screen and rinse under water to remove debris.



5. Check the spray jets for even spray. If uneven, the jet may be clogged and need cleaning. If clogged, remove spray tips and soak them in a recommended liquid neutralizer for up to six hours. To remove spray tip, twist spray tip body counter-clockwise. Do not use pointed objects to unplug tips, damage will occur.

WEEKLY MAINTENANCE (EVERY 20 HOURS OF OPERATION)

1. Remove the cleaning head. It unscrews in a clockwise direction when looking at the underside of the machine. You may need to use a socket wrench on the center nut of the star. Once you have loosened it, the star should turn freely in your hands. Wash the cleaning head and shroud thoroughly, being sure not to wet the motor assembly. Clean any lint buildup from the star and vacuum heads.
2. Clean off any debris that is on the shaft of the motor or the hub of the star. If not cleaned regularly, debris here can damage the oil seal on the gearbox, and result in loss of oil.

WARNING: Operating the unit without the gearbox properly lubricated can result in damage.

3. Lubricate the felt vacuum seal with 30W SAE motor oil.
4. Coat the shaft with WD40 or a similar lubricant.

WARNING: When reinstalling the vacuum star, make sure that it spins freely. If it begins to require pressure, unscrew it and clean threads. Dirt or grit can block the threads, and if you continue to tighten, may lock the star on the motor shaft.

5. Check oil level in the gearbox. The oil should be filled to the port. If new oil is needed, use 80-90 weight gear oil to fill.

NOTE: Oil should be drained and changed every 100 hours.

STORING MACHINE

1. When machine is transported or stored, we suggest the complete removal of the star.
2. Blow all air out of unit prior to storing with compressed air. Storing the machine with fluid in the lines can result in serious damage if the unit freezes.
3. Store machine in a dry area in the upright position.

ATTENTION: Do not expose to rain. Store indoors.

ATTENTION: If storing machine in freezing temperatures, be sure that machine and solution system are completely drained and dry.

TROUBLESHOOTING

SYMPTOM: MOTOR WILL NOT START:

PROBLEM: Not plugged in.
SOLUTION: Plug machine in proper outlet.

PROBLEM: Circuit breaker has popped.
SOLUTION: Reset circuit breaker. Make sure no other items are running on the same circuit as machine. Outlet must be a 15-amp circuit.

PROBLEM: Switch is bad.
SOLUTION: Install replacement switch.

PROBLEM: Motor is bad.
SOLUTION: Install replacement motor.

SYMPTOM: STAR WILL NOT TURN:

PROBLEM: Motor is not operating.
SOLUTION: See above.

PROBLEM: Star is jammed.
SOLUTION: Remove star. Check for obstructions. Clean threads on shaft and hub.

SYMPTOM: NO SOLUTION SPRAY AT JETS:

PROBLEM: Jet is clogged.
SOLUTION: Clean jet and flush clean.

PROBLEM: Filters are clogged.
SOLUTION: Remove filter and rinse clean with water.

PROBLEM: Trigger valve has failed.
SOLUTION: Replace valve.

PROBLEM: Pump not operating in extractor.
SOLUTION: Check pump.

PROBLEM: No solution in extractor.
SOLUTION: Refill.

SYMPTOM: NO VACUUM SUCTION AT SLOTS:

PROBLEM: A hose is blocked.
SOLUTION: Check and clear all hoses.

PROBLEM: Hose between head and handle is kinked.
SOLUTION: Unkink hoses.

PROBLEM: A vacuum hose has developed a leak or hole.
SOLUTION: Replace hose.

PROBLEM: Vacuum hose is not hooked to extractor.
SOLUTION: Attach hose.

PROBLEM: No vacuum power from extractor.
SOLUTION: Check motor or blower.

SYMPTOM: MACHINE VIBRATES DURING USE:

PROBLEM: The star is bent.
SOLUTION: Examine star and realign or replace.



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