

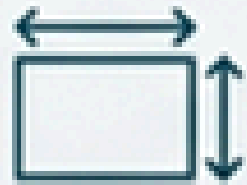


SME-6300 PCBA Inline Cleaning Machine: Installation Guide

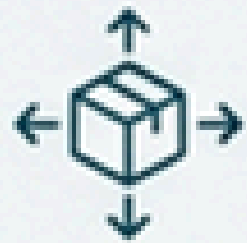
**Precision Setup for Peak
Performance**

Essential Preparations: Site & Utility Requirements

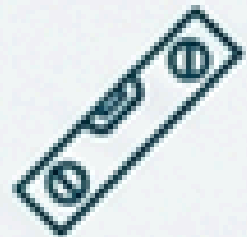
Space & Ground



Required Area: 8.2m (L) x 3.5m (W) x 2.5m (H)



Clearance: Ensure 1m - 1.5m on all sides for maintenance.



Floor: Must be a solid, flat, industrial-grade floor.



Machine Weight: Approx. 3000 kg.

Utilities



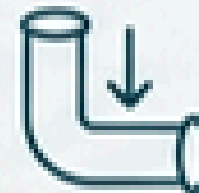
Power Supply: 380VAC, 50/60Hz, 110KW. Requires a 3-Phase, 5-Line (TN-S) connection with dedicated ground.



Compressed Air: 0.5 - 0.7 MPa. Must be dry, clean, and oil-free. Flow: 200-400 L/Min via a Ø12mm hose.



DI Water Supply: 1-inch supply pipe. Pressure: ≤0.5 MPa.



Drainage: 2-inch external drain pipe.



Ventilation: 3x Ø250mm vents require connection to factory exhaust.

Step 1: Safe Handling & Hoisting



Hoisting: Use a platform crane or a forklift with a capacity exceeding 3000 kg.



Positioning: Once on the floor, use the integrated casters to move the machine into its final position.

CRITICAL LIFTING ZONES



LIFT FROM FRONT OR REAR SIDES ONLY.



DO NOT LIFT from the PCBA input/output ends. This will damage the under-conveyor support poles.

Step 2: Final Positioning & Leveling

1

Position Machine

Carefully move the machine on its casters into the pre-prepared installation space.

2

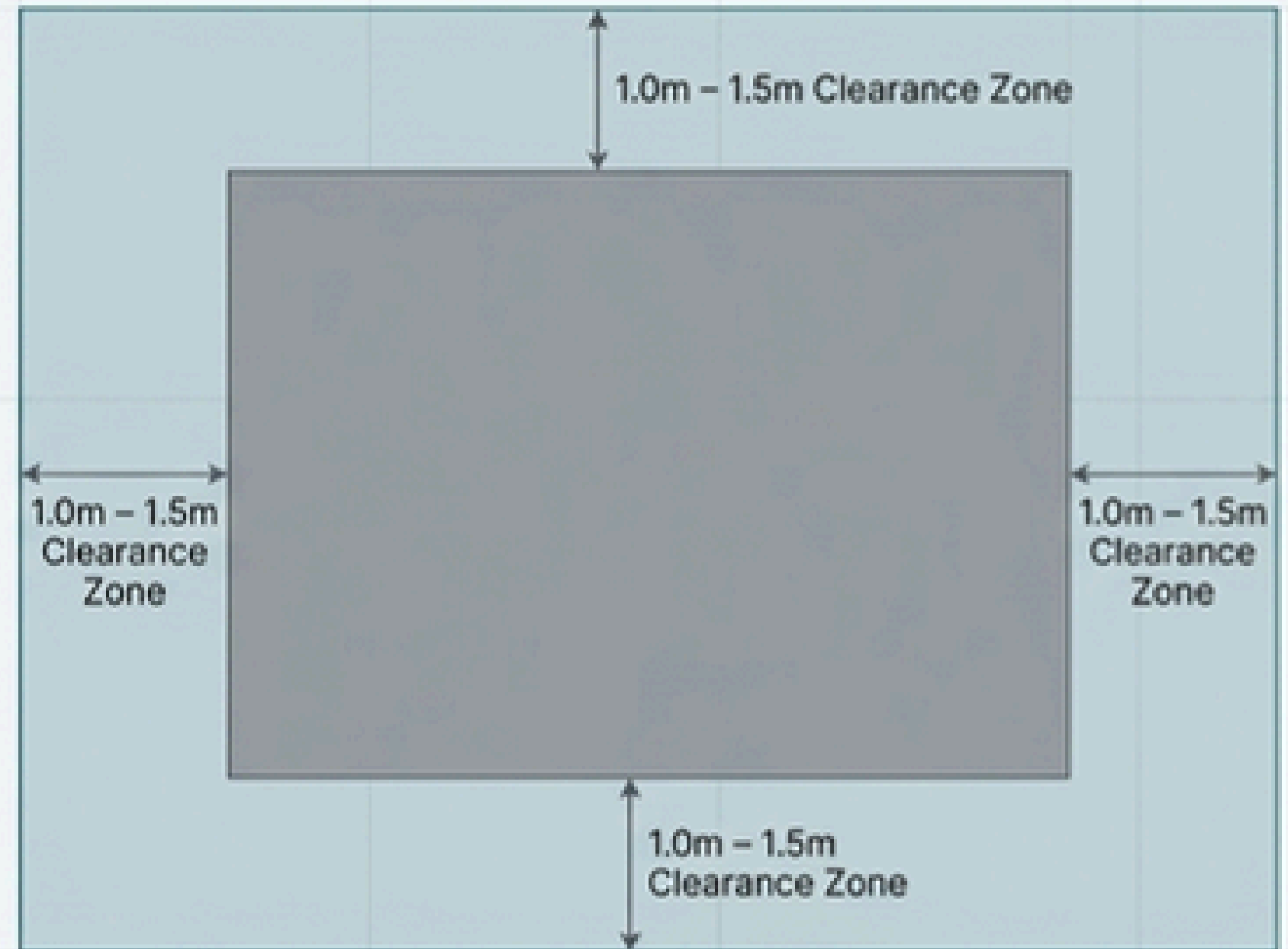
Confirm Clearances

Verify that there is 1m to 1.5m of clear space on all sides for operation and service access.

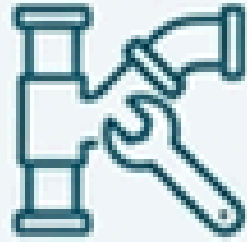
3

Adjust Foot Cups

Systematically adjust all foot cups to level the machine. Ensure each foot cup makes firm contact with the ground to provide stable support and eliminate any rocking.



Step 3: Utility Connections



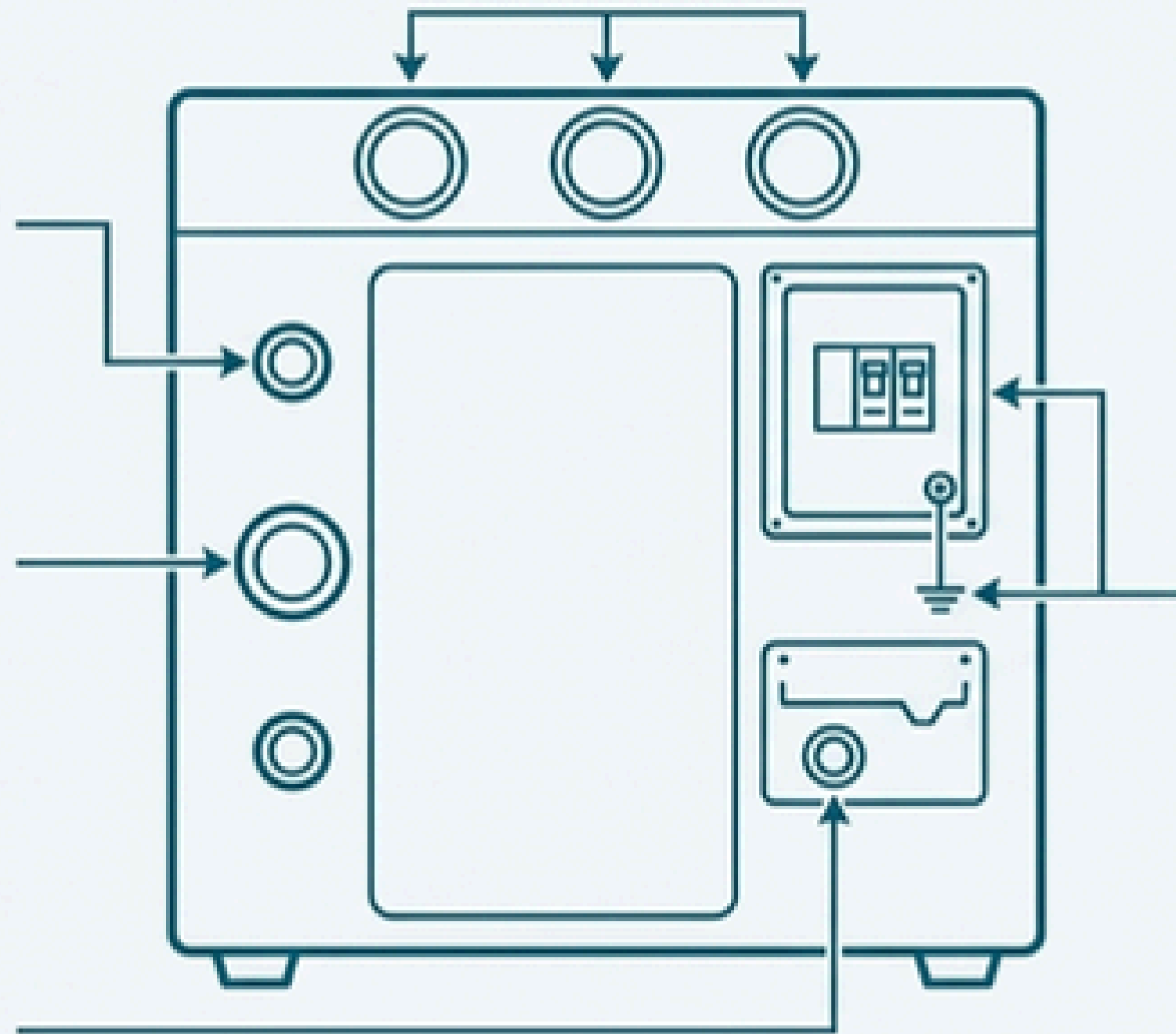
Piping

- Connect the '1-inch DI Water' supply pipe. Use PTFE tape on joints.
- Securely connect the '2-inch Drain' pipe.
- Connect the '3x Ø250mm' ventilation ducts to the top vents. Seal joints.



Pneumatics

- Connect the 'Ø12mm' compressed air hose.




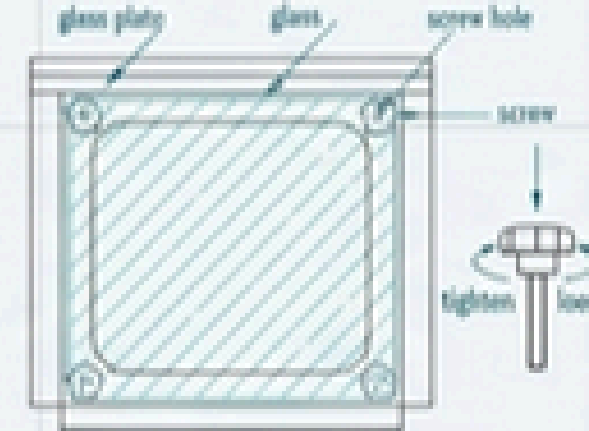





Electrical

CRITICAL: Must be performed by a qualified electrician.

- Connect the main power supply to the breaker in the small electrical box.
- Verify correct phase sequence and secure the ground connection before energizing the system.

Step 4: Pre-Power On Final Inspection

 <input type="checkbox"/> Piping: All pipe connections are tight and leak-free.		<input type="checkbox"/> Nozzles: All spray nozzles are angled correctly (5-10°).	
 <input type="checkbox"/> Covers: All internal covers, lids, and glass plates are secure.	 Securely Sealed	 <input type="checkbox"/> Filters: All filter nets and filter barrels are clean and correctly installed.	
 <input type="checkbox"/> Conveyor: The transport net is clear of any tools, packaging, or debris.		 <input type="checkbox"/> Valves: All manual control valves are in their correct initial positions.	

Step 5: First Power-On & System Flush

Initial Power-On Sequence

1. Energize the system at the main breaker.
2. Turn the power switch on the operational panel to ON.
3. Follow the startup sequence on the touch panel (Manual Section 4.4.2).
4. Manually add DI water to fill all tanks to their normal working level.
5. Verify normal operation of pumps, conveyors, and blowers.



IMPORTANT: Before introducing any chemical cleaning agents or production PCBAs, a full system flush is required.

Run the machine with **clean DI water only for 2-3 hours**. This cleans all internal pipes, tanks, and nozzles.

After the flush is complete, drain the system entirely. The machine is now ready for chemical loading and production.

A large, white industrial machine, the SME-6300, is shown from a three-quarter perspective. The machine has a control panel with a screen and several buttons. The Southern Machinery logo and the model number 'SME-6300' are visible on the top of the machine. The machine is mounted on casters.

Installation Complete

Your SME-6300 is now installed according to precise manufacturer specifications. This precision setup is the foundation for safe, efficient, and reliable operation from day one.

Critical Safety Reminders



Read the Manual.

For complete safety, operation, and maintenance details, consult the full SME-6300 Operation and Maintenance Manual.



Wear Goggles.

Personal Protective Equipment is required when operating the machine and handling fluids.



Wear Gloves.

Protect hands during operation, chemical handling, and maintenance procedures.



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