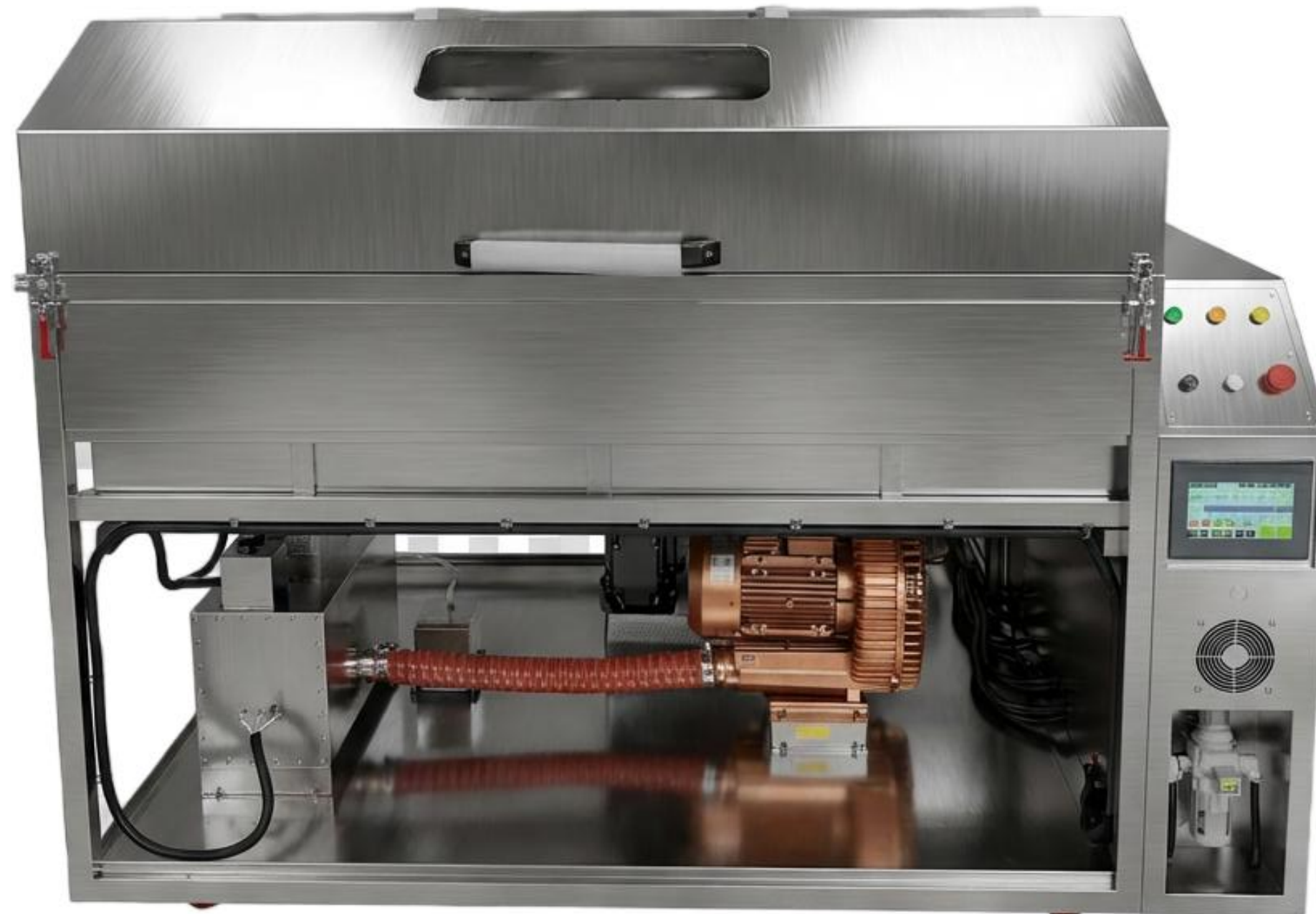


Stop Pouring Money Down the Drain.

Understanding the True Operational Cost of an Automatic Cleaning System.



The Real Cost of Cleaning Isn't the Machine. It's the Consumables.

The initial investment in an automatic cleaning system is just the beginning. Over a 5-year period, the recurring cost of cleaning chemicals and their disposal can often exceed the original price of the machine.

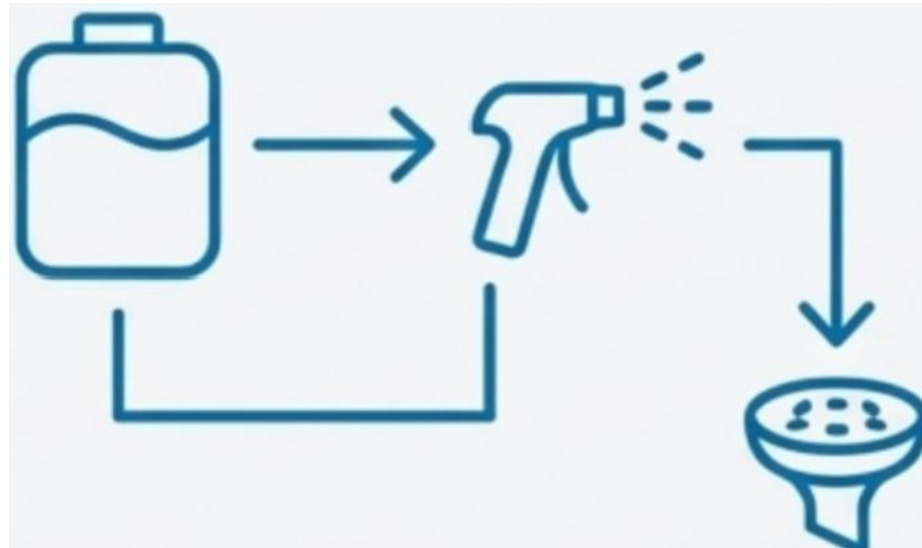
Why should I ask about filtration and chemical changes?

Because without an efficient recycling system, every cleaning cycle means you are washing valuable **resources**-and **money** -away.



The Industry Standard Can Be Wasteful.

The Process



Single-Pass Systems

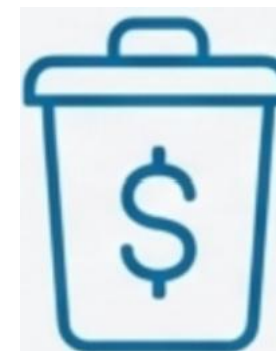
Many basic systems use chemicals for a limited time before they are too contaminated for effective cleaning, requiring frequent and costly replacement of the entire tank.

The Outcome



High Chemical Consumption

Leads to continuously purchasing large volumes of cleaning liquid.



High Disposal Costs

Creates significant chemical waste, which is expensive and environmentally challenging to dispose of properly.

The SME-5200 Is Designed to Break the Cycle of Waste.

The SME-5200 features a real-time, closed-loop system that continuously recirculates, filters, and reuses the cleaning liquid.

Significantly Reduces Chemical Consumption: By extending the usable life of your cleaning liquid.

Lowers Operating Costs: Less purchasing, less disposal, and a more predictable budget.

- ✓ **Ensures Consistent Cleaning Quality:** By constantly removing contaminants, the system delivers consistently clean results.



The Anatomy of Savings: Our 3-Stage Filtration System.

STAGE 1: COARSE FILTRATION

Grade 1: Pump Protection

2mm Stainless Steel Filter Screen

Protects the pump and core system components from large debris and solder balls.

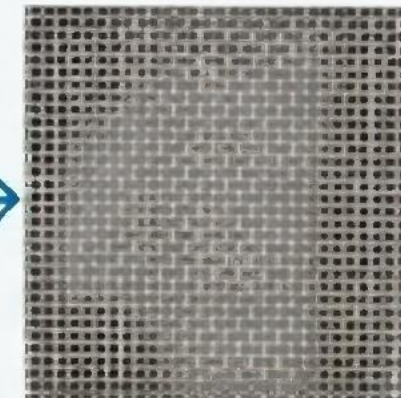


STAGE 2: INTERMEDIATE FILTRATION

Grade 2: Particle Removal

100µm Stainless Steel Filter Screen

Captures solid particles before they can be re-sprayed onto fixtures.



STAGE 3: FINE FILTRATION

Grade 3: Flux Residue Capture

20µm Filter Core Elements (5 pcs)

Filters the finest flux residues and contaminants, returning clean liquid to the tank.



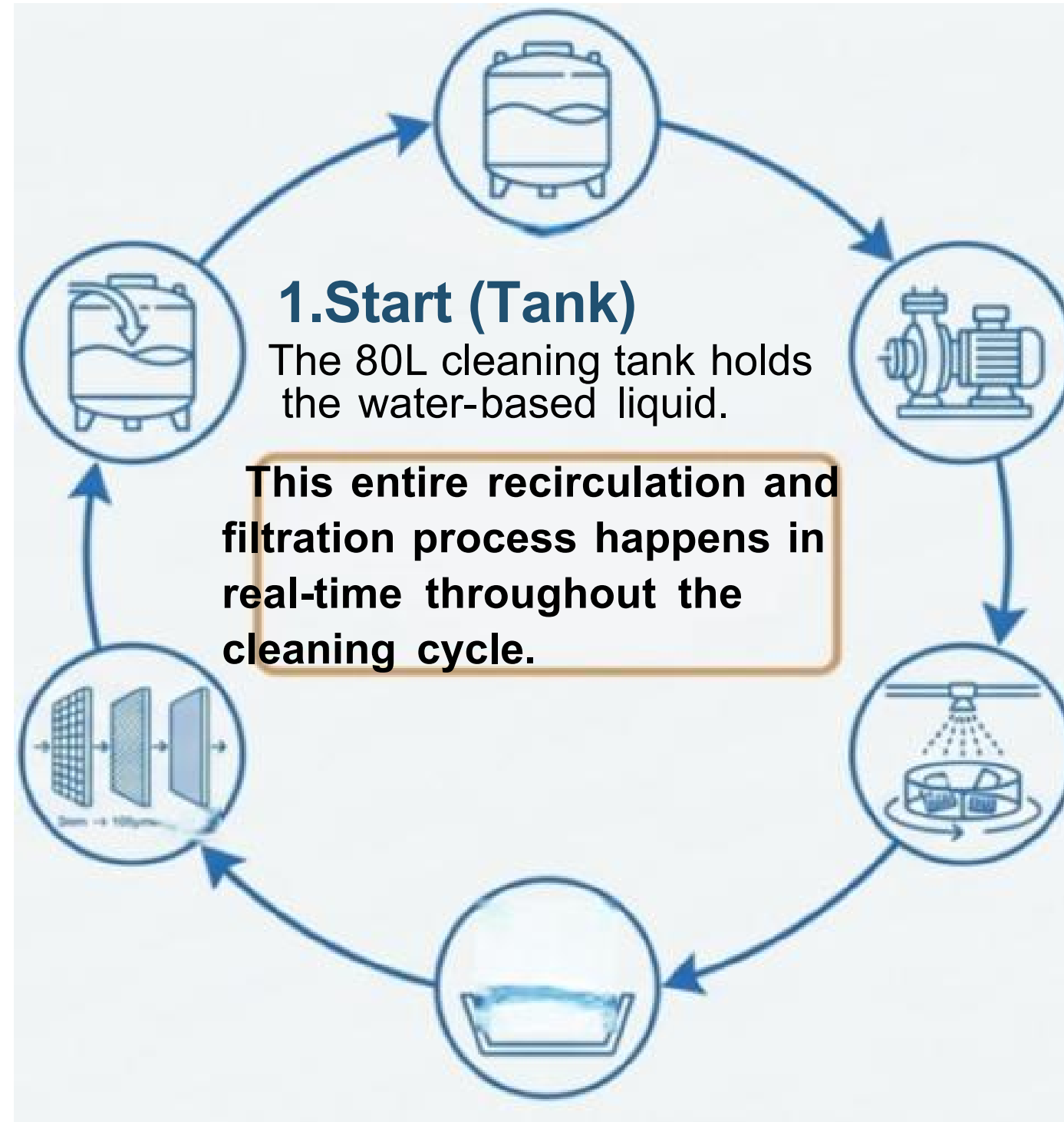
Tracing the Journey of Every Drop to Maximize Its Value

6. Return (Tank)

Clean, filtered liquid is returned to the tank, ready for immediate reuse.

5. Filtration

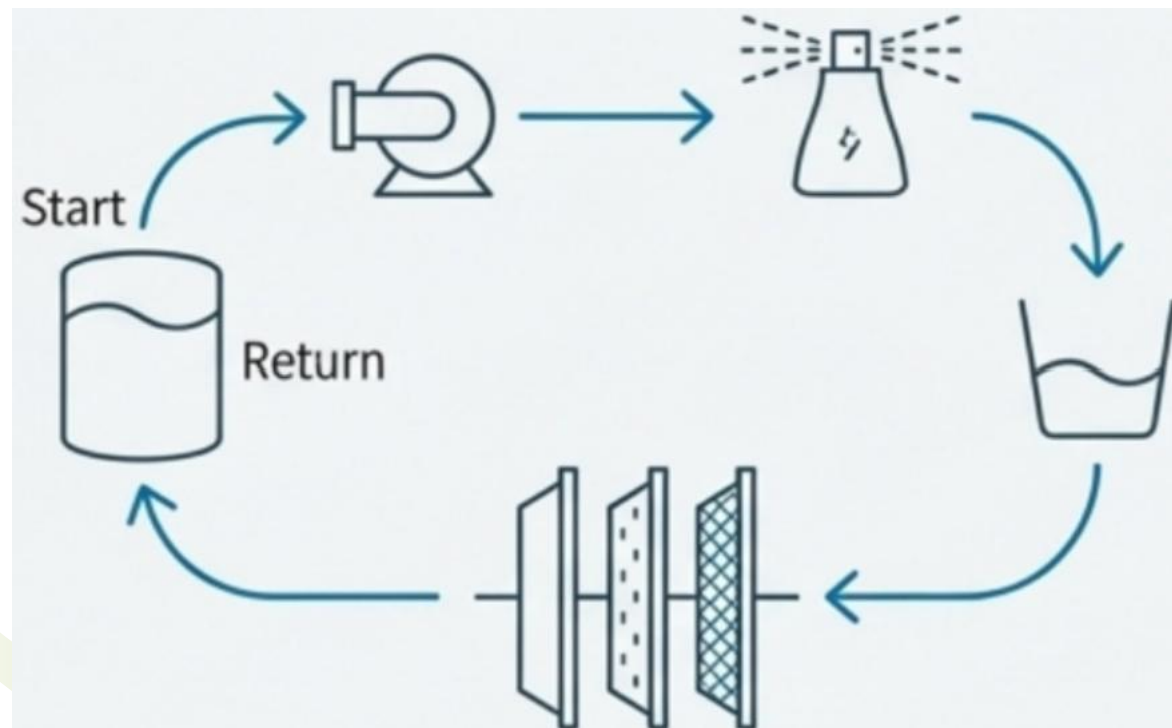
The liquid passes through the 3-stage filter system (2mm->100µm->20µm).



The Answer is Yes. The Result is Significant Savings.

YES.

The SME-5200 is built around an advanced closed-loop filtration system.



- **Longer Liquid Life:** Drastically extend the period between full chemical change-outs.
- **Lower Consumption:** Use less chemical per cleaning cycle, reducing purchase frequency.
- **Reduced Waste:** Minimize the volume of hazardous liquid requiring disposal.
- **Consistent Performance:** Always clean with purified liquid for reliable, high-quality results.

So, How Often Do I Need to Change Consumables?

Thanks to the 3-stage system, you are not frequently replacing 80L of expensive cleaning liquid. Your primary maintenance task is replacing the fine-filter elements that do the heavy lifting.

Item: Grade 3 Filter Elements (Cores)

Quantity: 5 elements per set.

Size: Standard 20-inch filter cores.

Replacement Cycle: Every **15 to 30 days**, depending on production volume and contamination levels.



Maintenance Designed for Minimum Downtime

Replacing the 5 filter elements is a straightforward process designed for speed.



1. Release Pressure

Open the liquid drain valve.



2. Access Barrel

Loosen the 6 fixing screws on the filter barrel and remove the top cover.



3. Swap Elements

Remove the 5 old elements and replace them with new ones.

This routine maintenance ensures the filtration system continues to operate at peak efficiency, protecting your investment and maintaining low running costs.

Redefining Your Total Cost of Ownership

Standard System(No effective filtration)	
Chemical Costs: High &Frequent (Full tank replacement)	Chemical Costs: Low&Infrequent
Disposal Costs: High &Frequent	Consumable Costs: Low&Predictable (Filter elements every 15–30 days)
Cost Predictability: Low	Cost Predictability: High
HIGH	LOW

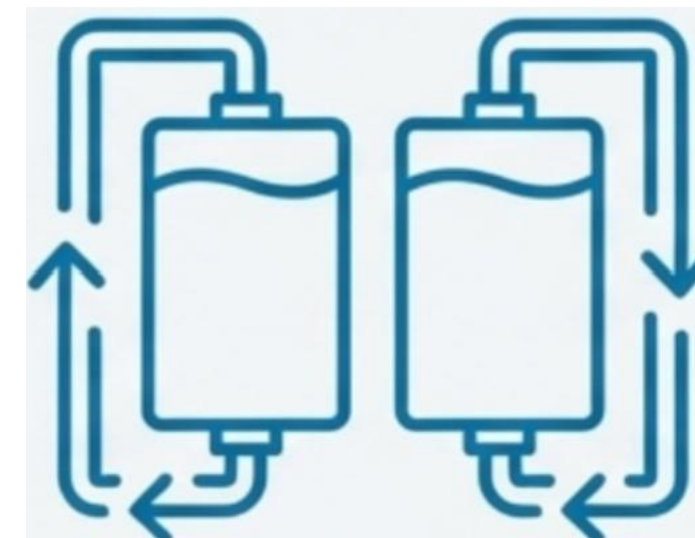
The SME-5200 turns a major variable expense into a minor,manageable operational cost.

Efficiency is Engineered into Every Aspect of the SME-5200.



Liquid Recovery System

After the wash cycle, compressed air blows residual cleaning liquid from the pipes and fixtures back into the tank. This simple step recovers valuable chemistry that would otherwise be lost, minimizing consumption with every cycle.

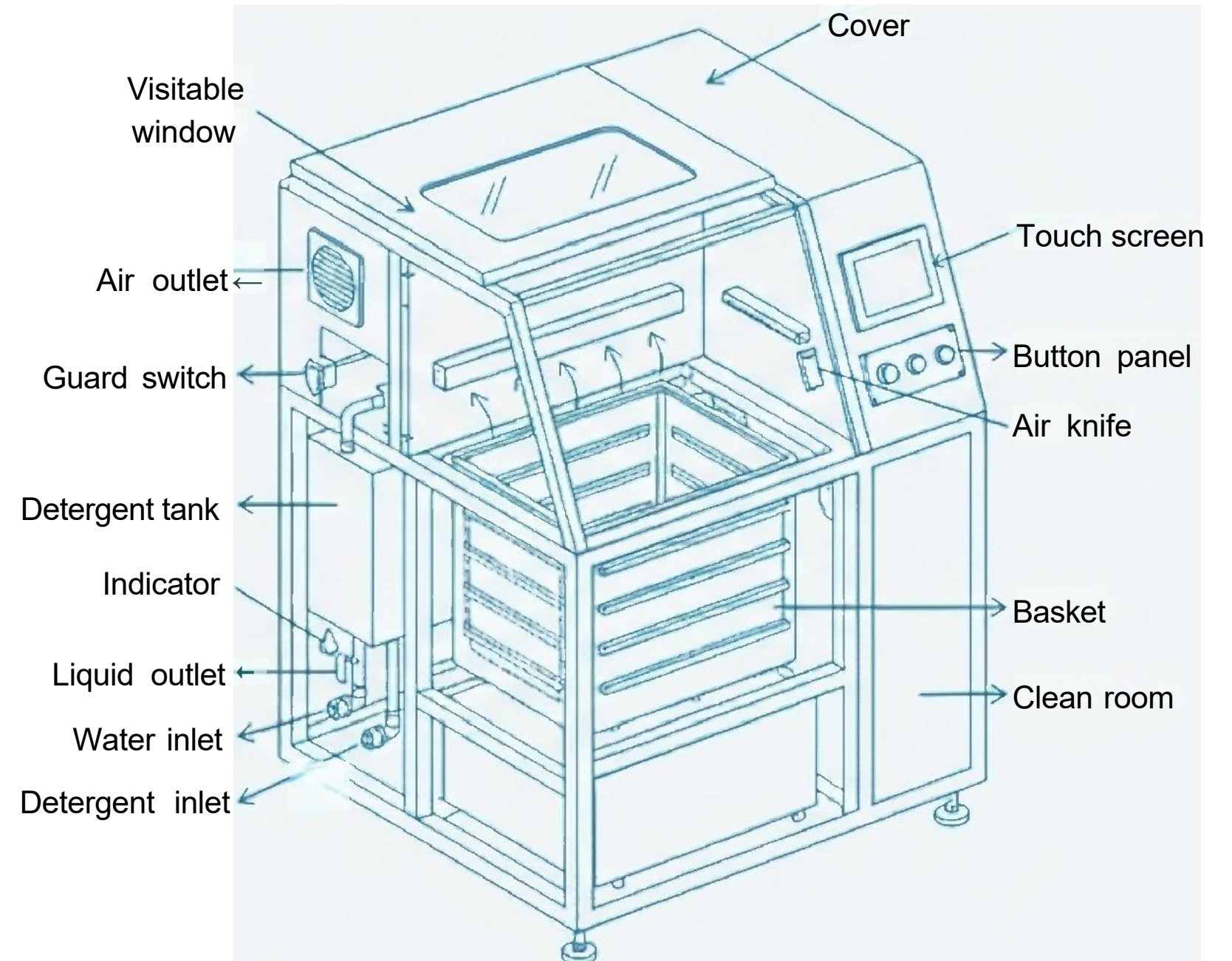


Separated Liquid & Water Systems

The SME-5200 uses dedicated 80L tanks and pipe systems for cleaning liquid and rinse water. This prevents cross-contamination, dramatically extending the life of the cleaning liquid compared to single-tank systems.

Key Filtration & System Specifications

Parameter	SME-5200 Specification
System Type	Closed-Loop, Recirculating
Cleaning Tank Capacity	80 L
Rinse Tank Capacity	80 L
Filtration Stages	3-Stage System
Grade 1 Filter	2mm Stainless Steel Screen
Grade 2 Filter	100 μ m Stainless Steel Screen
Grade 3 Filter	20 μ m Filter Cores (5 pcs)
Filter Replacement Cycle	15-30 days (typical)
Body Construction	SUS304 Stainless Steel

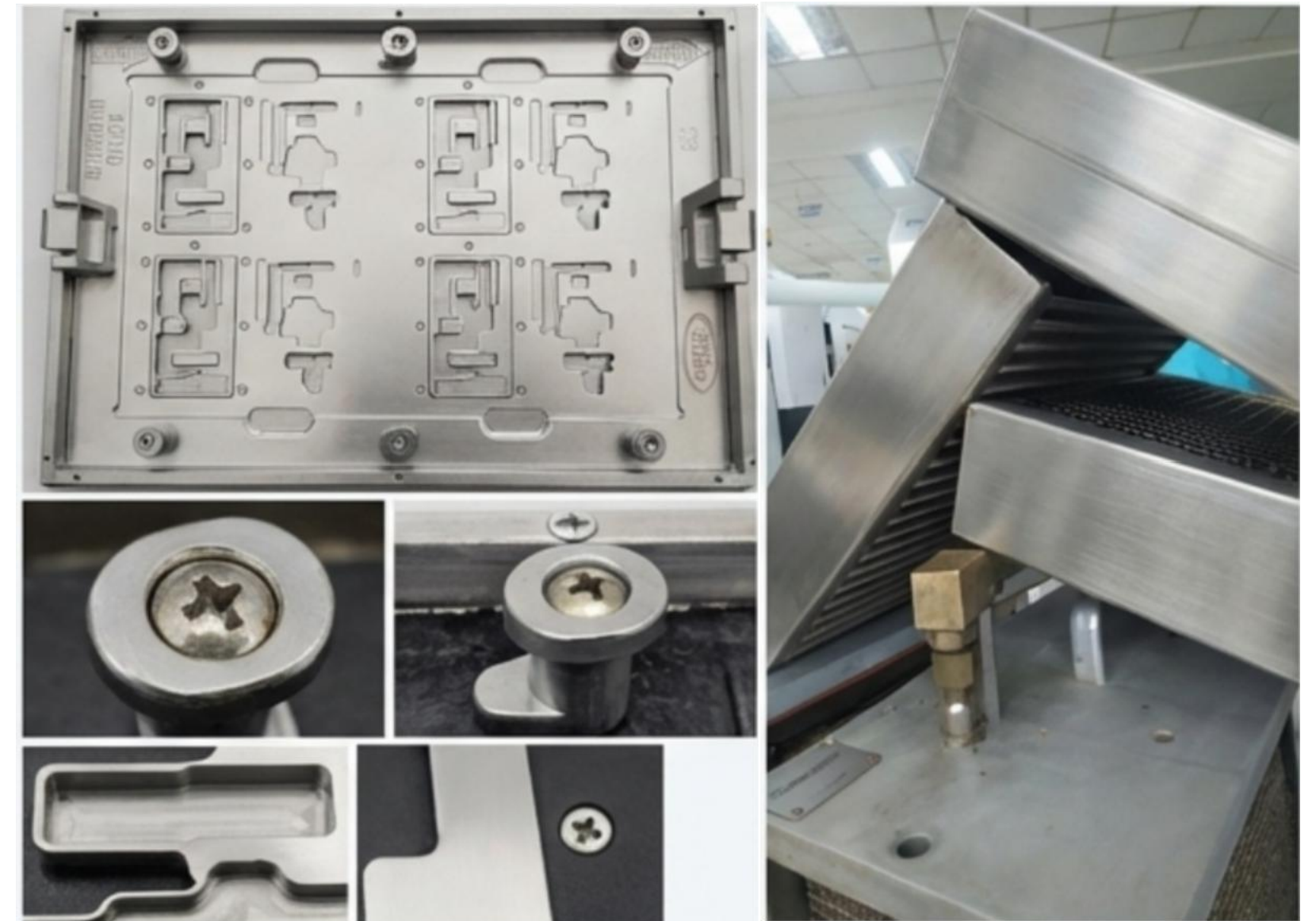


The Result: Consistently Clean, Production-Ready Fixtures

Before



After



The combination of high-pressure spray, a rotating basket, and continuously filtered liquid ensures every angle is perfectly cleaned, cycle after cycle.

An Investment in Efficiency is an Investment in Profitability.

The SME-5200 isn't just a machine; it's a strategy to control and reduce your long-term operational costs. By tackling chemical consumption head-on, it delivers a clear and rapid return on investment.

**Stop washing money down the drain.
Start investing in a smarter cleaning process.**

Professional Cleaning Equipment for SMT&PCB.

To receive a customized Total Cost of Ownership analysis or for full specifications, please contact us.

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