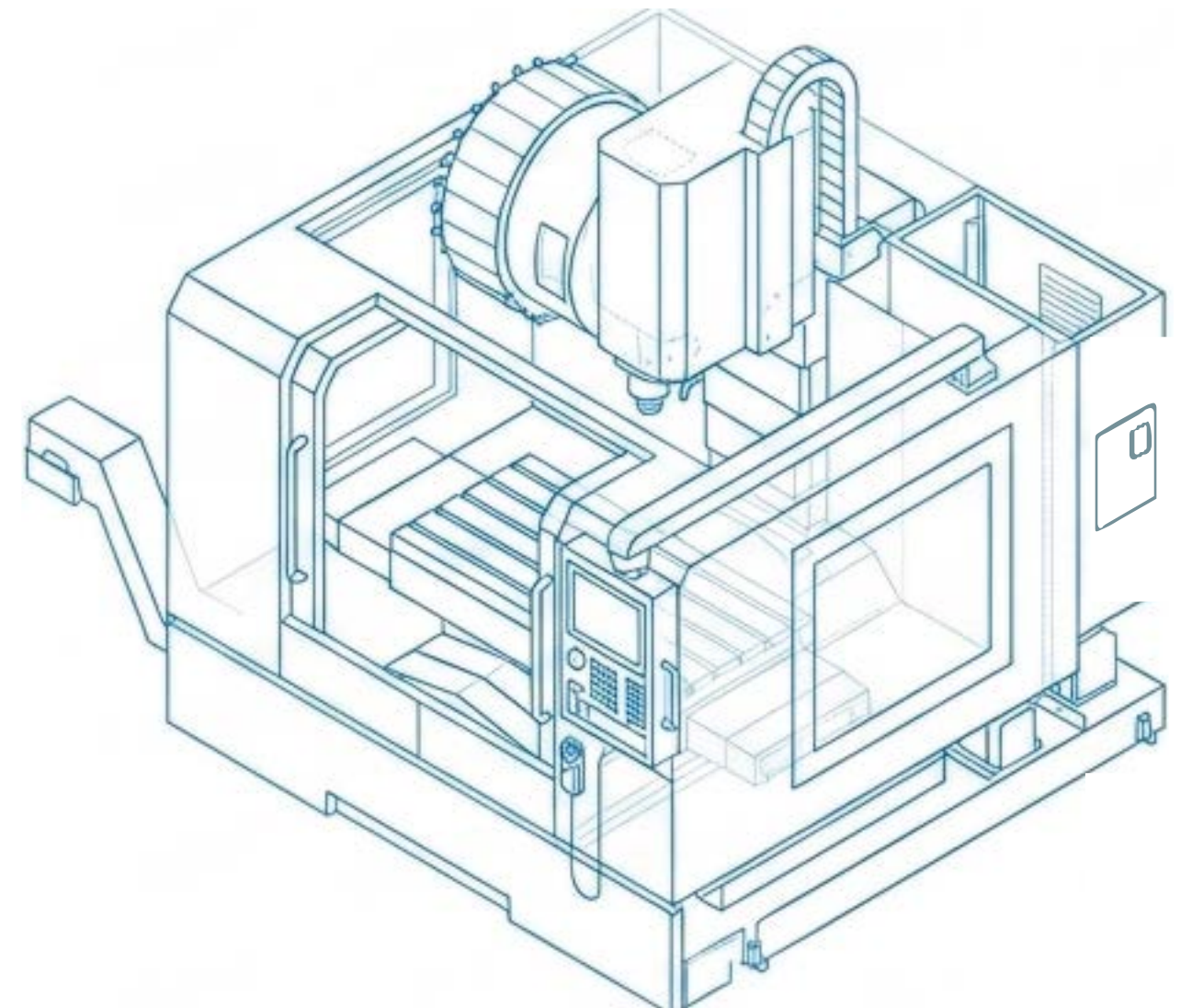


The Ecosystem of Purity

Next-Generation Coolant Tank Cleaning Solutions

Conquering coolant degradation through precision engineering and advanced physics.



The Limits of Legacy Scraping

Traditional coolant maintenance relies on physical scraping—wiper and belt-type skimmers that demand constant part replacements and intensive monitoring.

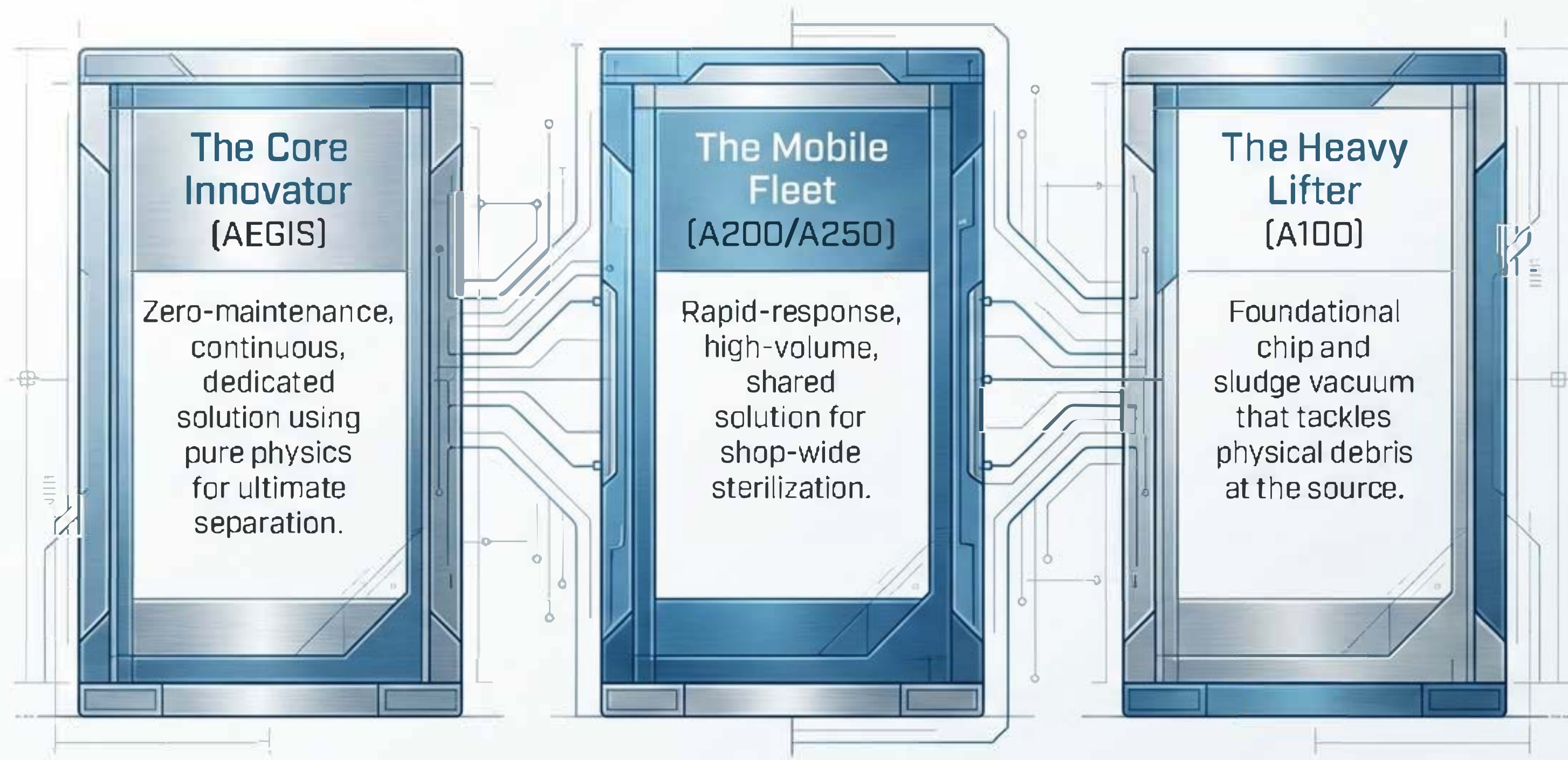
Fluid Corruption: Coolant acidification leads to foul odors and degraded cutting precision.

Consumable Dependency: Endless cycles of replacing filter pads, belts, and wiping blades.

Worker Hazards: Harsh skin contact and respiratory issues from biological growth in stagnant, impure tanks.



A Holistic Arsenal for Machine Wellness

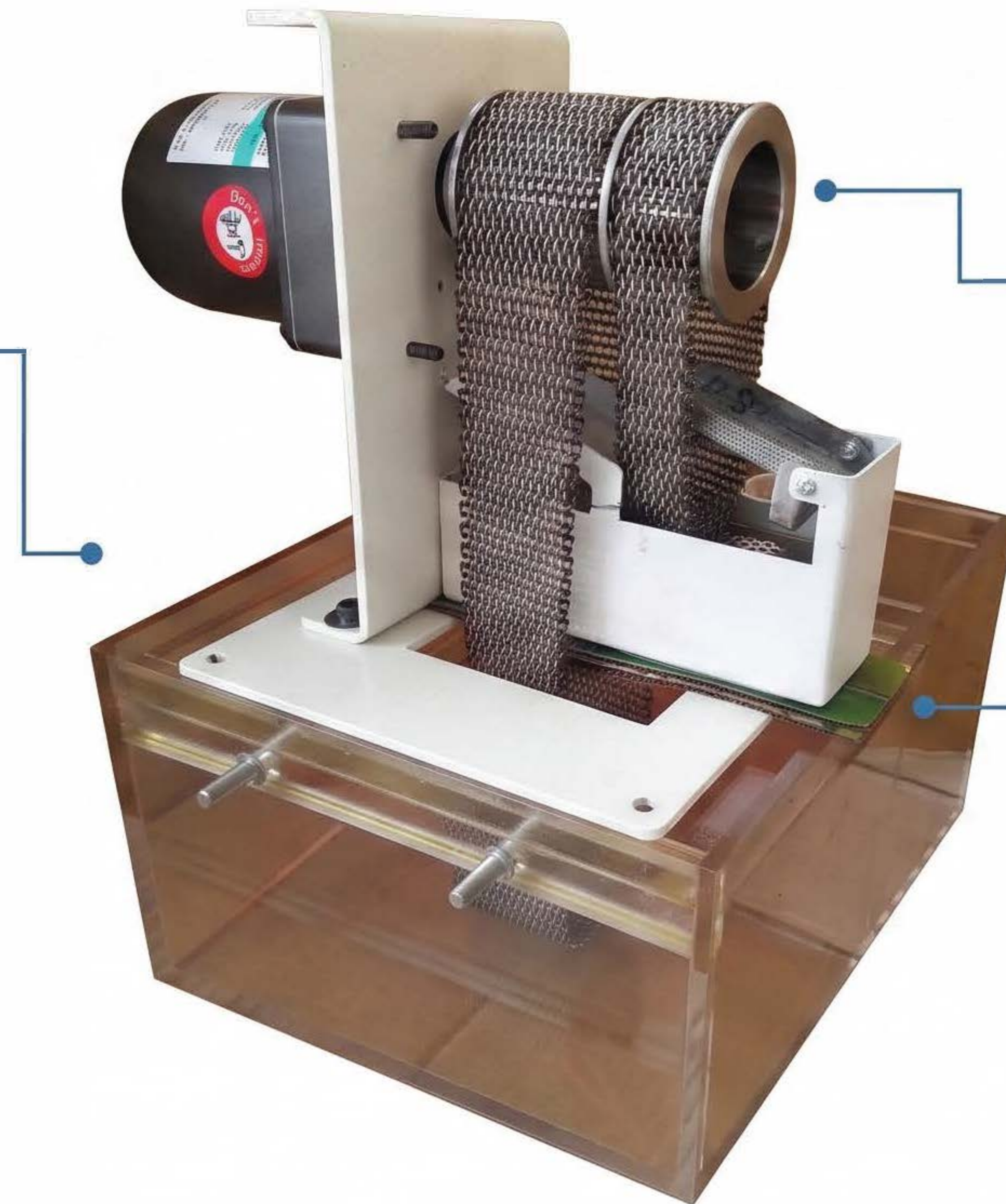


AEGIS GENIUS OIL SKIMMER: Reliable Belt-Type Separation

Ultra-Compact Footprint

Compact design for easy mounting on machine coolant tanks.

Efficiently removes tramp oil with minimal intervention.

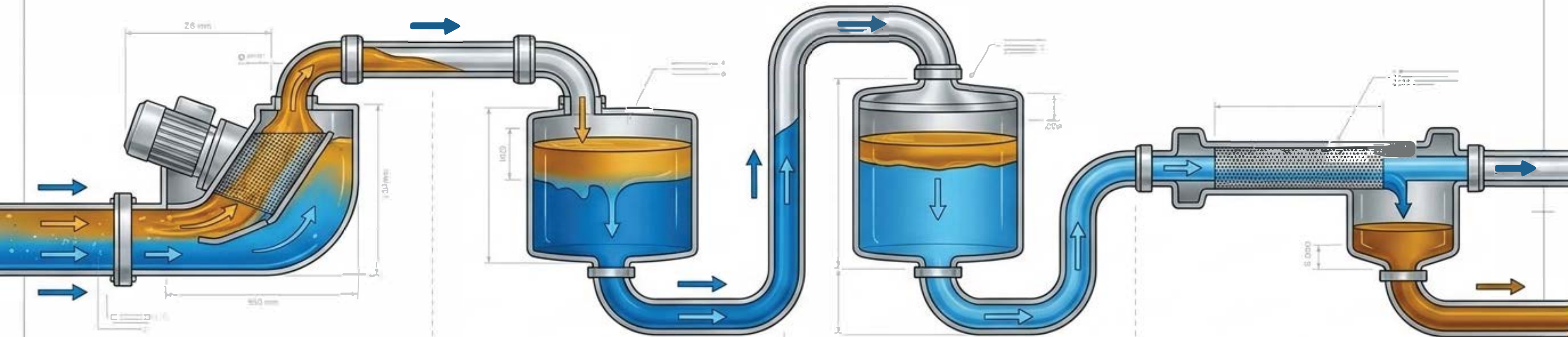


The Core Mechanism

Utilizes a motorized oleophilic belt that attracts floating oil.

A scraper blades removes the collected oil from the belt into a collection container, while clean coolant remains.

Advanced 4-Step Filtration Process



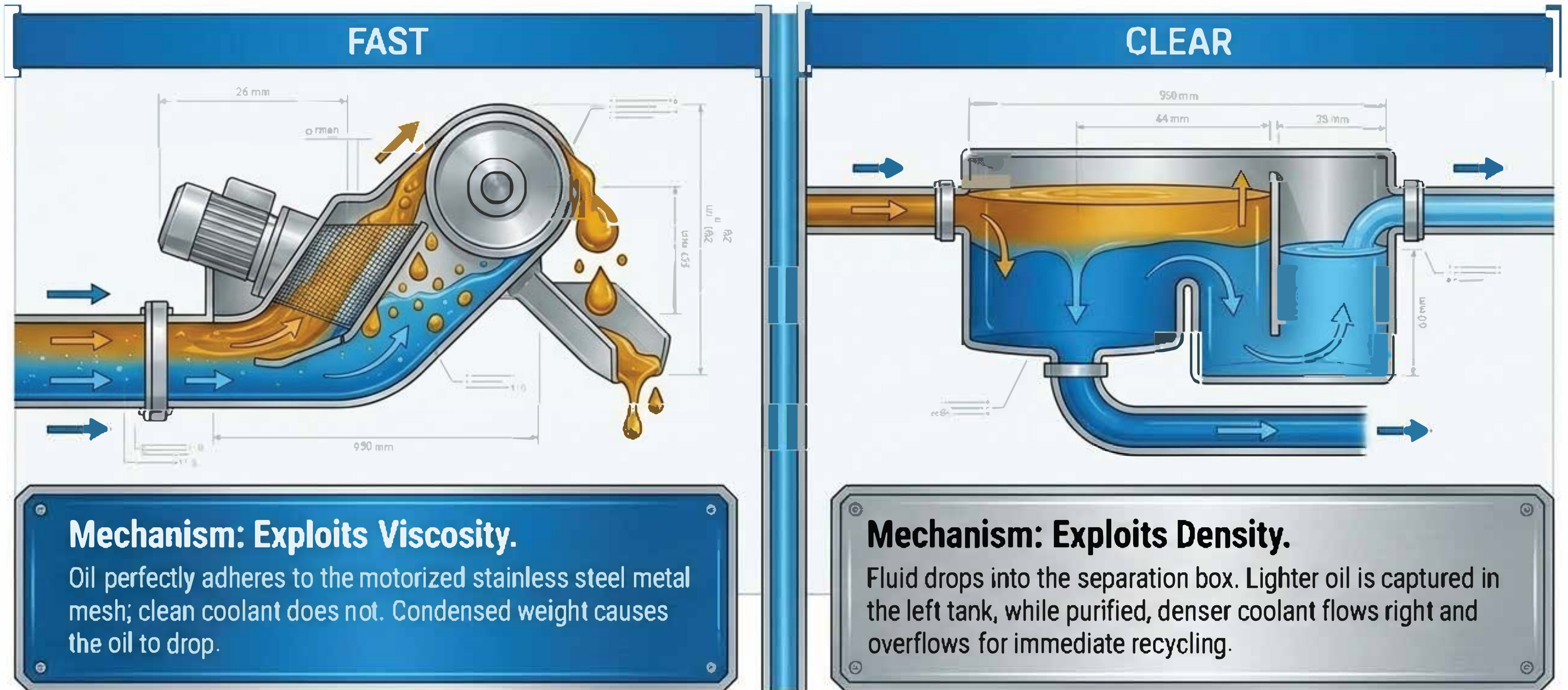
Step 1: FAST (Metal Mesh)
The motor-driven mesh carries oil upward.

Step 2: CLEAR (Separation Box)
Fluid drops into the primary separation box.

Step 3: PURE (Condensation)
Double-purification cycle via condensed weight.

Step 4: DENSE (Porous Channel)
Final gravity separation yielding exceptionally high-density waste oil.

Stage 1: Exploiting Viscosity & Density



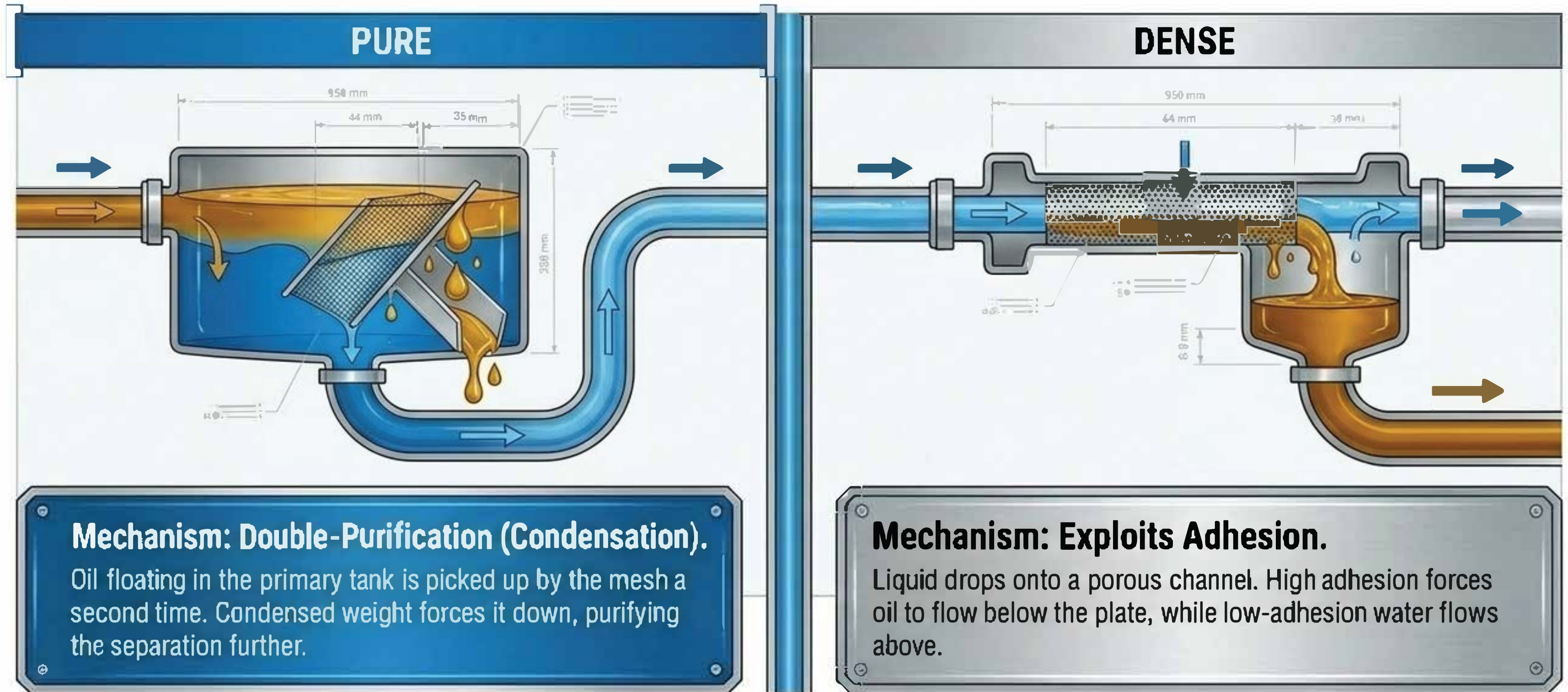
Mechanism: Exploits Viscosity.

Oil perfectly adheres to the motorized stainless steel metal mesh; clean coolant does not. Condensed weight causes the oil to drop.

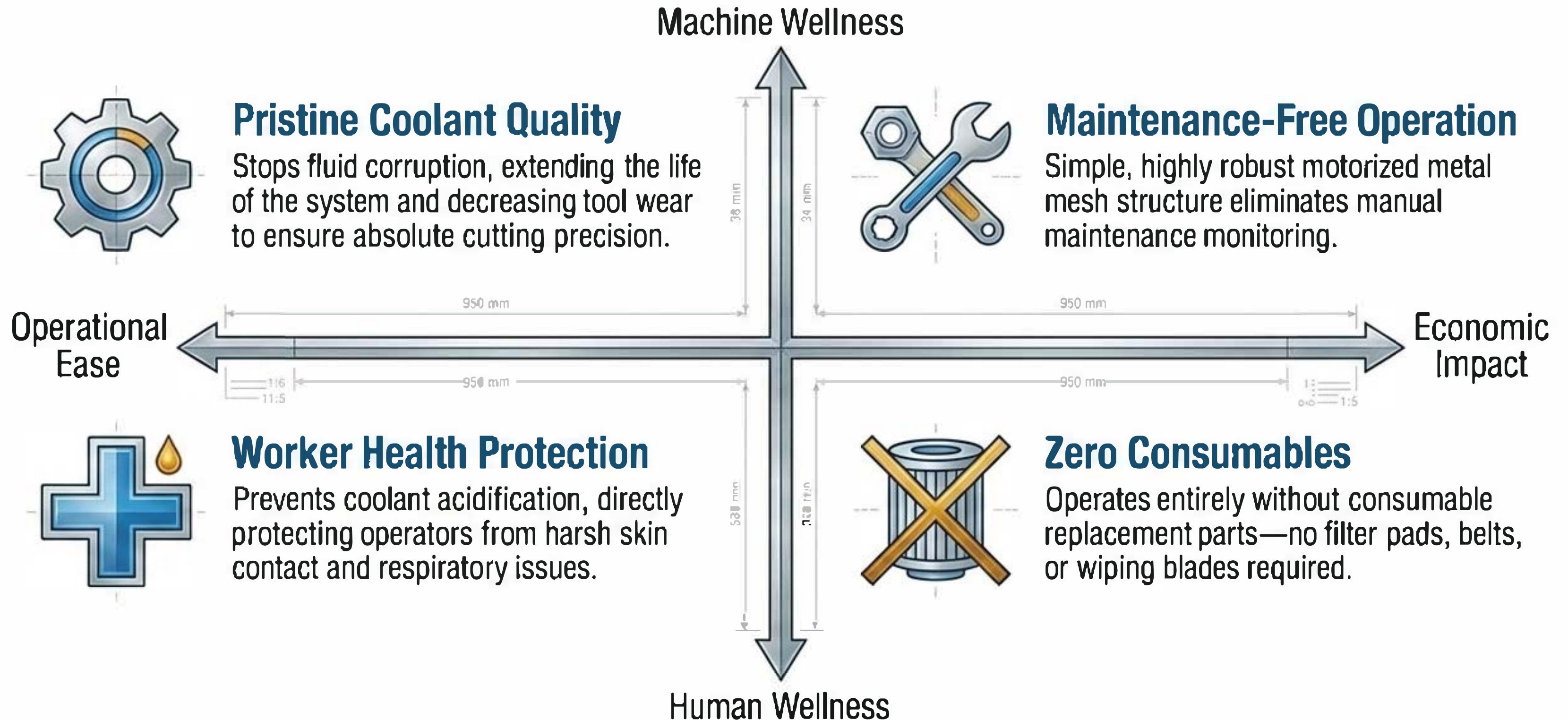
Mechanism: Exploits Density.

Fluid drops into the separation box. Lighter oil is captured in the left tank, while purified, denser coolant flows right and overflows for immediate recycling.

Stage 2: Double-Purification & Adhesion



The AEGIS Advantage Matrix



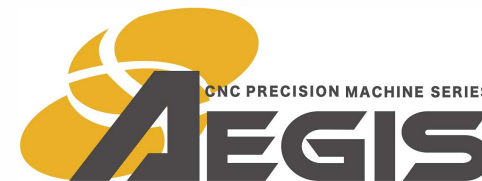
Performance Comparison: The Physics Upgrade

Metric	Disc Type	Belt Type	AEGIS GENIUS
Separation Speed	Middle	Middle	Excellent
Oil Density	Middle	Middle	Excellent
Consumable Parts	Yes (Wiper)	Yes (Belt)	0 None
Maintenance Cost	Lower	Higher	Zero

By relying on physical properties (viscosity & density) rather than physical scraping, AEGIS achieves **Excellent** speed and density with absolute **zero maintenance**.

Validated by the International Market

A fundamentally new approach to oil recovery, validated by international patents and trusted by precision manufacturers worldwide.



AEGIS PRECISION MACHINERY CO., LTD.
No. 3-18, Jioushe Rd., Houi Dist., Taichung City, 42148 , Taiwan
www.first-chant.com e-mail: fce@first-chant.com

The Mobile Fleet: A200 & A250 Oil Skimmers

A rapid-response, high-volume, shared solution designed for shop-wide deployment.

Shared Mobility: Moveable design allows one unit to service multiple machine tools.

Zero Downtime: Pneumatic operation requires no plugging in; machines continue running during cleaning (electrical components utilize a built-in rechargeable battery).

Smart Waste Management: Pull-out waste tank with automatic full-capacity alarm.



Anatomy of Speed: 10-Minute Turnaround

Ozone Generator:

Built-in active sterilization.



Instantly kills bacteria and eliminates odors, actively preventing coolant decay and extending fluid lifespan.



High-Velocity Suction:

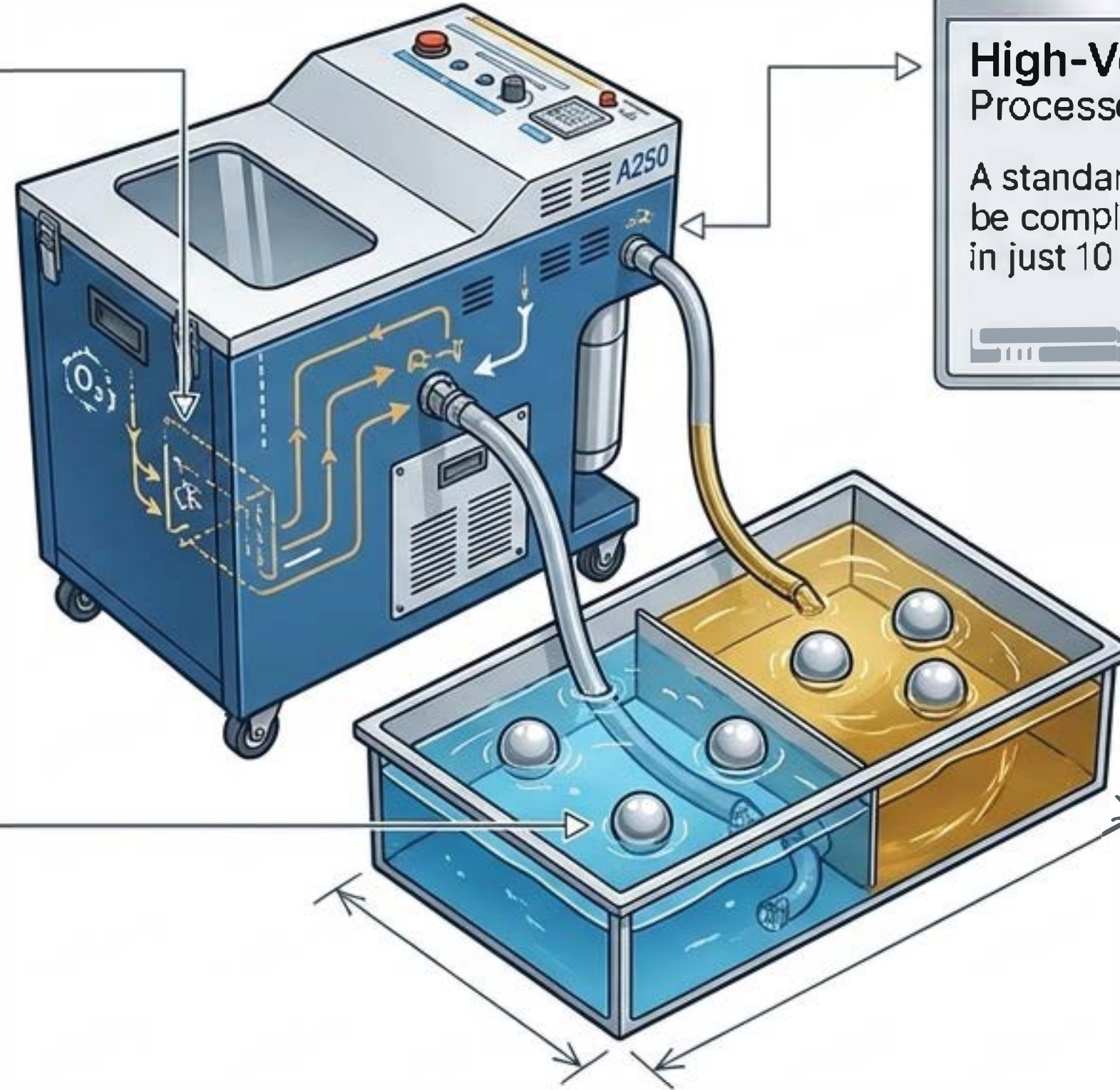
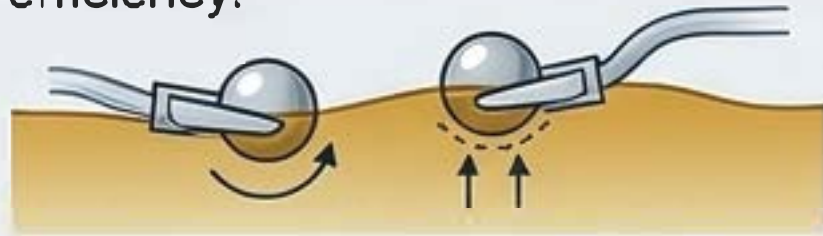
Processes 1000 Liters per hour.

A standard machine tool tank can be completely sterilized and cleared in just 10 minutes.



Double-Claw Oil Pan:

Patented floating intake design maximizes surface-area contact for exponentially higher oil extraction efficiency.

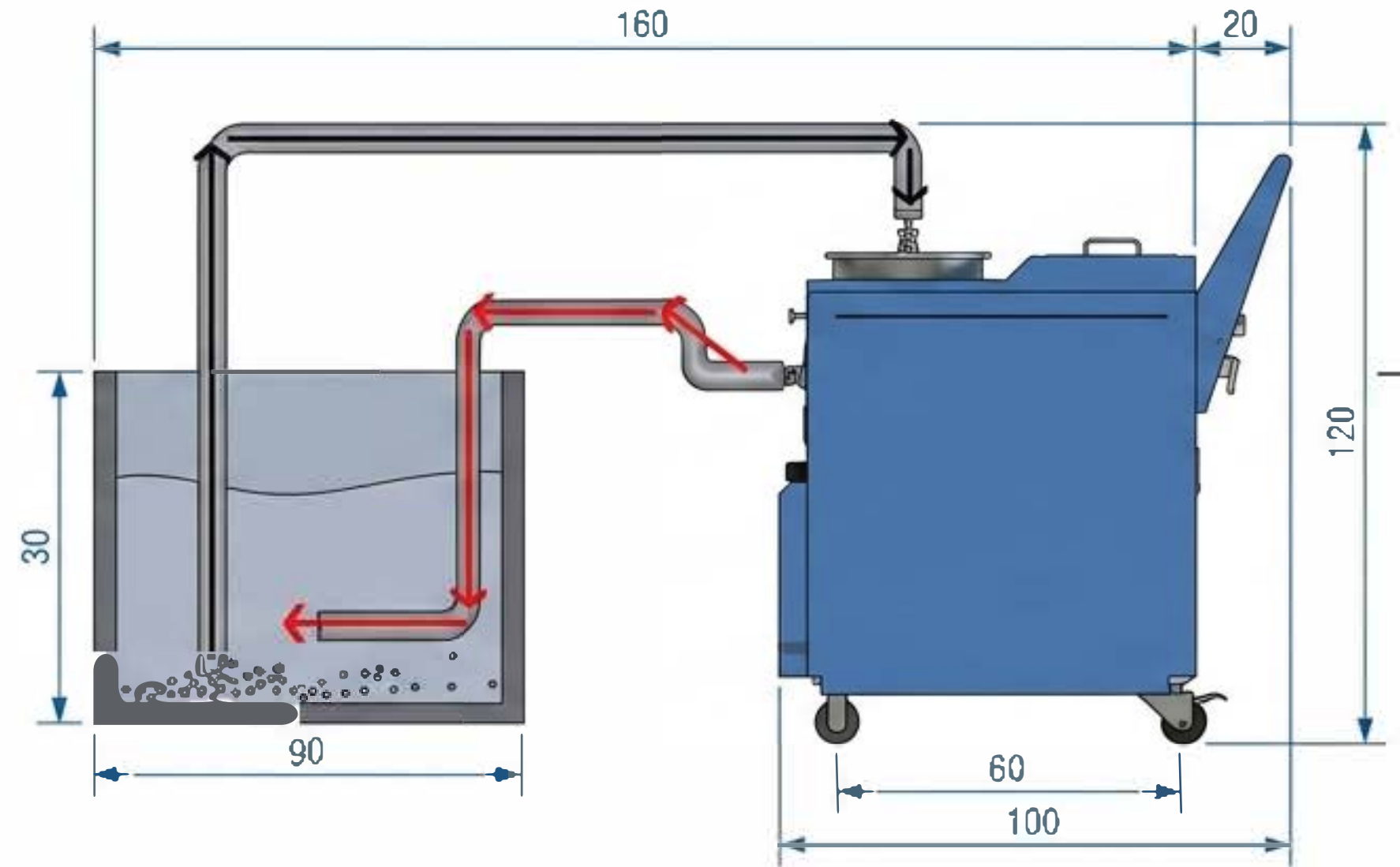


The Heavy Lifter: A100 Chip Vacuum

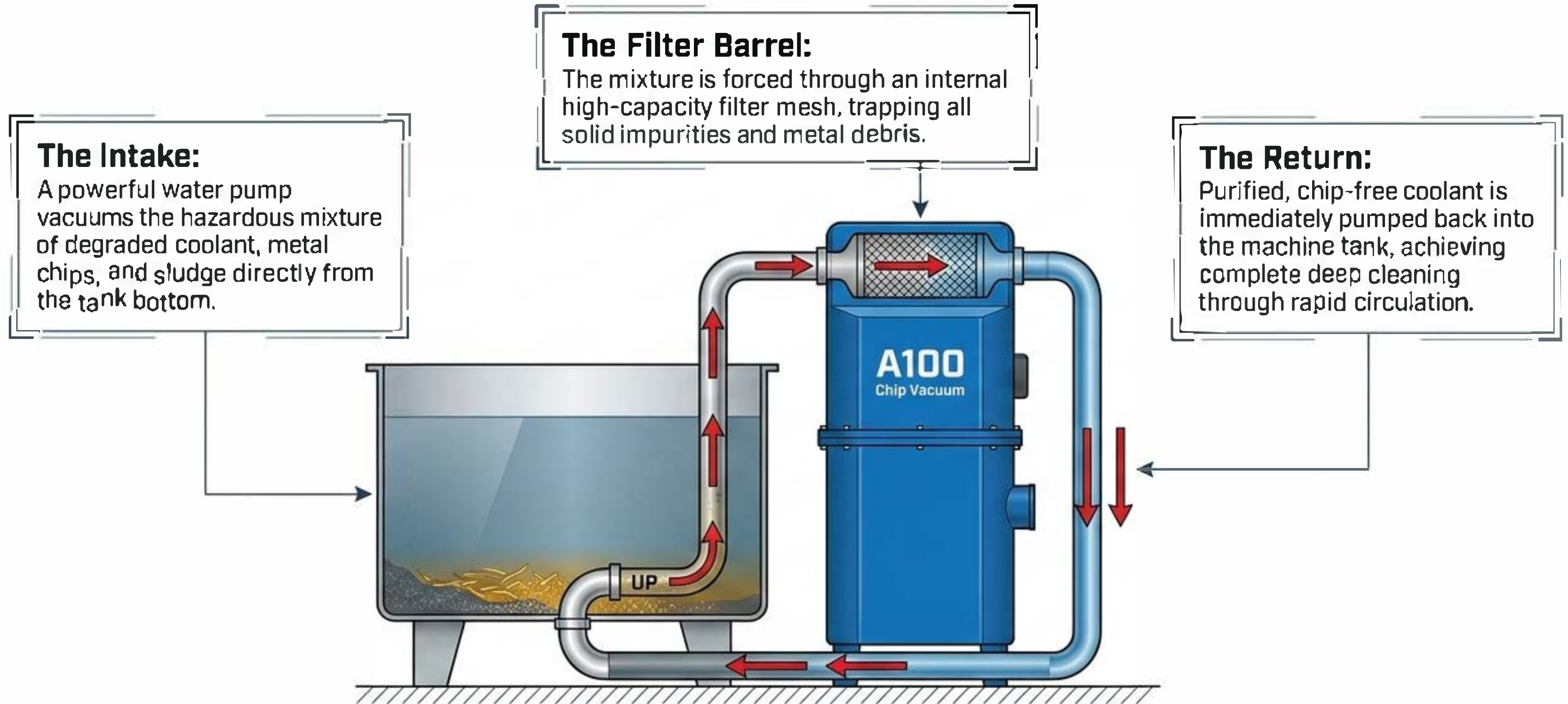
The foundational deep-cleaning unit. Before you can perfectly separate oil, you must conquer the physical debris, metal chips, and heavy sludge that choke machine tanks.

Core Value:

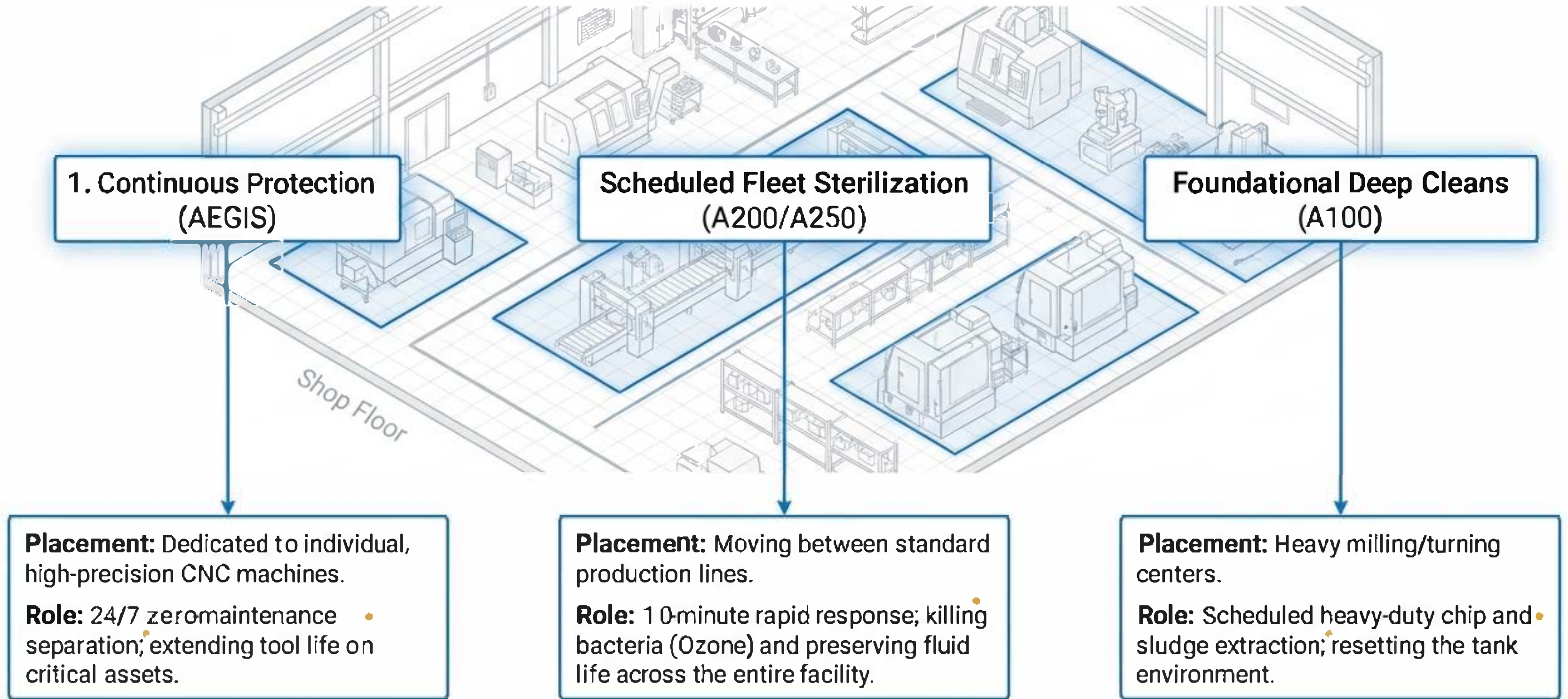
Designed specifically for aggressive machine bed water tank cleaning and heavy dirt/sludge processing.



Anatomy of Speed: Circulating Filtration



Deploying the Ecosystem of Purity



A complete, multi-tiered arsenal to conquer coolant degradation, eliminate consumables, and ensure absolute machine uptime.