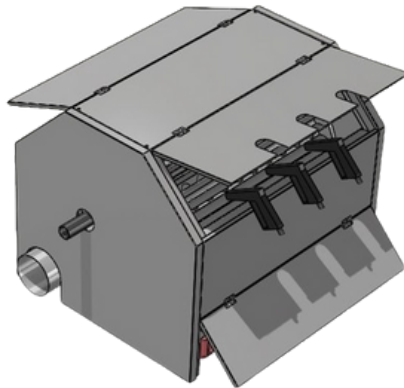
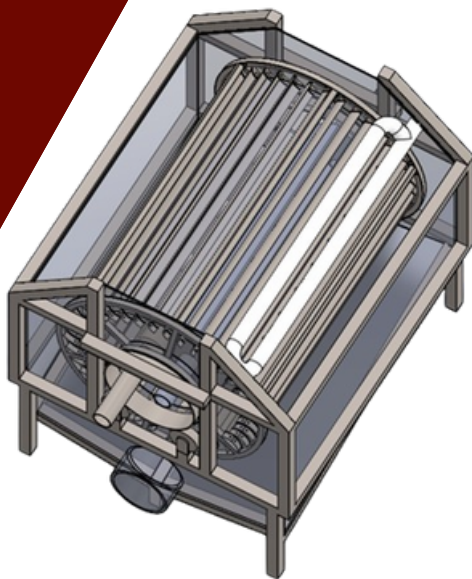
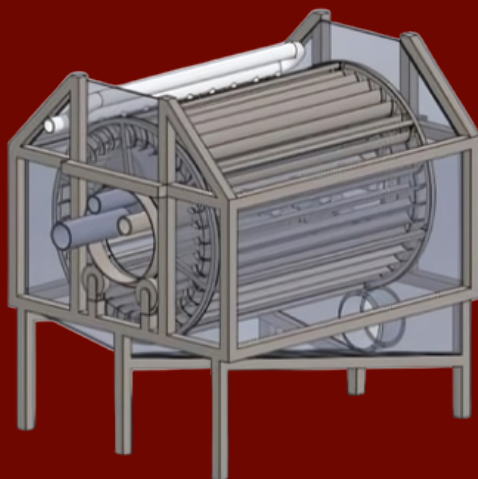




Pure Water, Sustainable Tomorrow



SHIZ ULTRA-FINE TURBO DRUM SCREENER



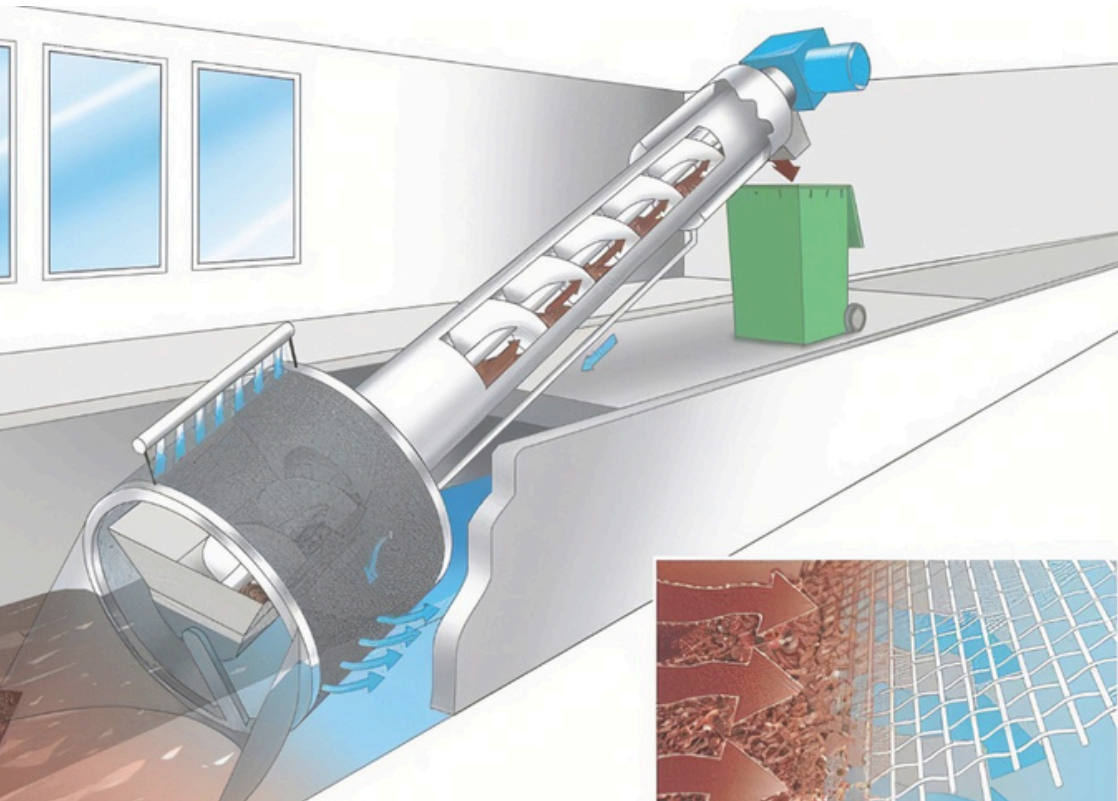
About company

With over three decades of experience in the water and wastewater industry, our team is dedicated to delivering cutting-edge, energy-efficient solutions.

Our latest innovation, the Turbo Drum Screener, offers unmatched reliability and cost-efficiency for all wastewater treatment needs.

Drum screeners are advanced mechanical screening devices designed for efficient solid-liquid separation in the wastewater treatment process. These screeners are widely used in municipal and industrial wastewater treatment plants to remove coarse and fine solids, preventing blockages and ensuring smooth downstream processing.

WITH APPLICATIONS RANGING FROM SMALL MUNICIPAL PLANTS TO LARGE-SCALE INDUSTRIAL OPERATIONS, TURBODRUM SCREENERS ARE A SUSTAINABLE CHOICE FOR MANAGING WASTEWATER WHILE REDUCING OPERATIONAL COSTS AND ENVIRONMENTAL IMPACT.



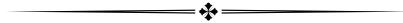


✓ Turbo Drum Technology:

Engine-Free Operation, Eliminate the need for costly motors and energy consumption. The turbo drum design ensures smooth, consistent rotation without the use of electricity, making it ideal for remote locations or facilities seeking to minimize power usage.

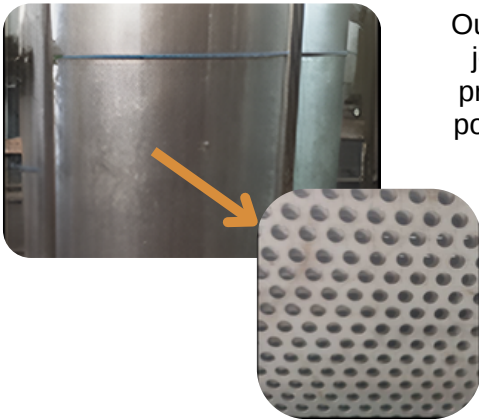
✓ Low Maintenance:

No engine means fewer moving parts, translating into lower maintenance costs and reduced downtime for repairs.



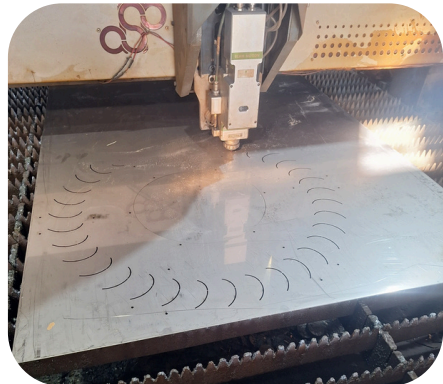
✓ Reliable Cleaning System:

Our Turbo Drum Screener features an external jet-washer with optimized washing time and pressure, combined with a well-designed filter porosity, ensuring reliable, clog-free operation.



✓ Stainless Steel Durability:

Built with high-grade stainless steel, our screener is designed for long-term use, even in challenging industrial environments.

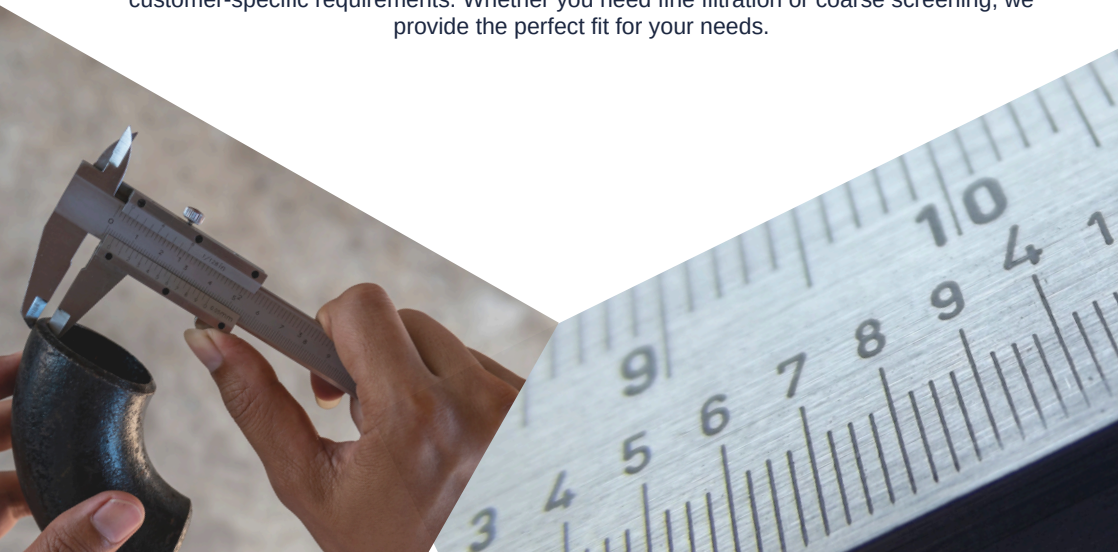




SHIZ Ultra-fine Turbo-drum screener

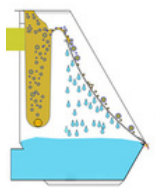
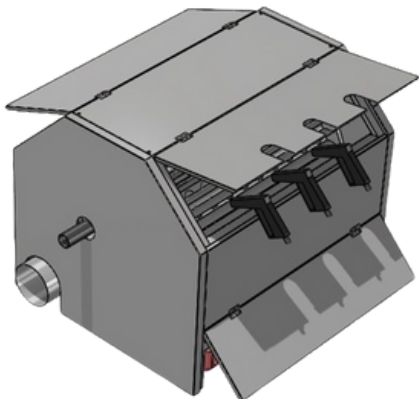
Parameter	Value/Range	Units
Capacity*	0-2000	m3/day
Drum Diameter*	Varies based on customer needs(e.g. 1-2)	m
Drum Material	Stainless Steel (304/316)	-
Particle Size*	0.5-5	mm
Maintenance Interval	Annual (approx.)	
power Consumption	~0	Kwh

*Available in various sizes and configurations, including adjustable mesh sizes tailored to customer-specific requirements. Whether you need fine filtration or coarse screening, we provide the perfect fit for your needs.



Comparison with Other Screening Technologies

Featur	SHIZ Turbo Drum Screener	Rotary Drum Screen	Step Screen	Static Screen
Power consumption	Almost 0 kWh	High (based on engine)	Medium	None
Maintenance costs	Very low	High (Moving parts)	Medium	Low
Cleaning system	Jet washer (External,Optimized)	Internal spray system	Manual or Mechanical	Manual
Durability	High (304/316 SS)	Moderate	Moderate	High
Suitability for industrial use	Excellent	Good	Limited	Limited
Suitability for municipal use	Excellent	Good	Good	Limited



Estimated Capital Expenditure (CAPEX)

Initial Investment: Competitive pricing compared to motorized screens.

Installation Costs: Low due to simple design and plug-and-play operation.

Material Durability: 304/316 stainless steel ensures a long lifespan, reducing replacement costs.

Estimated Operating Expenditure (OPEX)

Energy Costs: 0 kWh, resulting in 100% energy savings compared to traditional motorized screens.

Maintenance Costs: 50% lower due to fewer moving parts and annual servicing only.

Water Consumption for Cleaning: Optimized jet-washer reduces water usage compared to internal spray systems.

Return on Investment (ROI) & Savings

- ◆ Up to 80% Reduction in Energy Costs – No motors or electricity required.
- ◆ 50% Lower Maintenance Costs – Fewer parts, less wear and tear.
- ◆ Extended Equipment Lifespan – Corrosion-resistant materials ensure long-term reliability.
- ◆ Fast Payback Period – ROI achievable within 2-3 years due to energy and maintenance savings.

Contact us



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