



FINE SCREENING SOLUTIONS FOR
FOOD & BEVERAGE PROCESSING



HIGH-QUALITY EFFLUENT FLOWS TO THE BOTTOM LINE



REDUCES TREATMENT COST

- *Optimized solids removal lowers BOD, the amount of treatment chemicals needed, and debris loading on downstream processes*

LOW ENERGY AND WATER USE

- *Fractional-horsepower options and configurations that require no wash water in many CIP setups help reduce operating costs*

SIMPLE

- *With few parts and minimal maintenance, Duperon equipment is easy to install, own, and operate*

RELIABLE

- *Duperon equipment adapts to a wide range of debris and flow variations*

FLEXIBLE

- *With few parts and minimal maintenance Duperon equipment is easy to install, own and operate by crew*

PARTNERSHIP

- *'You'll like working with us' is a commitment and way we deliver extraordinary customer care for the full life-cycle of your equipment. This is how we strive to earn the privilege to serve your continued screening needs*

FOOD & BEVERAGE WASTEWATER SOLUTIONS

In food and beverage plants, every drop of water counts — for product quality, equipment protection, and regulatory compliance. Duperon's fine screening solutions remove solids before they disrupt your process, keeping pumps, membranes, and downstream systems running smoothly. Built with stainless steel, simple mechanics, and adaptive technology, our screens handle fats, fibers, sticky solids, and variable production flows with minimal maintenance, low operating costs, and reliable day-to-day performance.

Simple, Effective, Reliable Technology

Duperon Fine Screen Solutions streamline operations by minimizing moving parts, simplifying maintenance, and extending equipment lifespan. Constructed from durable materials with an intuitive design, these solutions deliver consistent performance across a wide range of process demands — including high organic loading, batch processing, variable debris, and fluctuating temperatures, pH levels, and flow conditions — all while ensuring long-term reliability and durability.

Durable, Sanitary Construction

Duperon screens are engineered for the rigorous demands of food and beverage processing. Stainless steel construction provides corrosion resistance and meets sanitary requirements, while minimal moving parts and accessible design simplify cleaning, inspection, and CIP. The robust construction ensures consistent, reliable operation day after day, protecting sensitive downstream equipment such as pumps and membranes, while maintaining product quality and environmental compliance.

Efficiency and Cost Savings

By removing solids before they reach downstream systems, Duperon screens reduce biological oxygen demand (BOD), fats, oils, and grease (FOG), and other treatment loads. This lowers chemical use, reduces energy and water consumption, and helps maintain regulatory compliance.



APPLICATIONS

Duperon's proven screening technologies can be applied to a wide variety of food and beverage processes, including:

- Breweries
- Bottling
- Dairies
- Frozen foods
- Fruit & vegetable processing
- Meat rendering
- Pet food
- Processed foods
- Soups & salsas
- Sugar processors
- Wineries





FOOD & BEVERAGE SOLUTIONS WE PROVIDE

Consistent, Low-Maintenance Operation

Duperon's screening technology is designed for simplicity and reliability. Minimal parts, front-access service, and adaptive mechanics make maintenance fast, safe, and predictable. Solids are captured efficiently, equipment life is extended, and screens continue to operate day after day with minimal intervention. The combination of durable materials, robust design, and proven FlexLink™ technology ensures your screening system performs consistently, keeping your plant productive and compliant.



DUPERON® FLEXRAKE® FINE SCREEN (FS)

Industrial-strength fine screening for plants with high solids and variable flows. T-shaped wedgewire openings (0.020"-0.125") and FlexLink™ adaptive link mechanics provide reliable screening while eliminating underwater sprockets, bearings, and tracks that jam.



DUPERON® INTERNALLY FED ROTARY DRUM SCREEN

Ideal for high flows and concentrated solids. Captures fine particles and fibers that bypass conventional screens, protecting sensitive systems such as MBRs. Available through pilot testing for on-site validation.



DUPERON® FLEXRAKE® FINE SCREEN BOUTIQUE (FSB)

A compact, pre-engineered package for small to mid-sized operations. Complete with stainless steel tank, bypass, enclosure, and controls, the FSB delivers turnkey fine screening in a small footprint with low operating cost.



DUPERON® CONVEYANCE

Alternative to discharging onto the deck by application. Mechanical transportation and processing of captured debris.

PRODUCTS QUICK GUIDE

PRODUCT NAME	SCREEN OPENING	SCREEN TYPE
FlexRake® Fine Screen (FS)	0.020 in to 1/8 in	wedgewire screen
FlexRake® Fine Screen Boutique (FSB)	0.020 in to 1/8 in	wedgewire screen
Internally Fed Rotary Drum Screen	2 mm	Wedgewire, perforated plate, and wire mesh available as individual screen panels or single screen wrap