



HYDRO-DYNE ENGINEERING

Designed to Protect. Built to Perform.™



Coarse Screens

Extremely reliable and versatile screens through robust design. With a wide variety of models and grid options, our coarse screens easily remove large solids for unsurpassed downstream protection.



Bull Shark Through Flow Screen

- Heavy-duty, high capacity system
- Unlimited support against deflection



Tiger Shark Multi-Rake Screen

- No submerged sprockets
- Dry unloading of screenings



Dusky Shark Septage Receiving Station

- Effortlessly screens high TSS and FOG flows
- Monitoring and billing control available



Sawshark Filter Stepper

- Low flow step-style screen
- Designed for smaller processes

Fine Screens

Our fine screens have been independently certified to have among the highest screening capture ratios available. Through flow, center flow and dual flow models capture solids as small as 0.5mm.



Great White Shark Center Flow Screen

- Low headloss and no carryover
- Ideal for sensitive process protection



Bull Shark Through Flow Screen

- Proprietary sealing eliminates ragging
- Multiple models and grid types



Dusky Shark Septage Receiving Station

- All maintenance above tank
- Dual spray wash unloading



Great White Shark Dual Flow Screen

- Side entrance/rear exit
- Ideal in influent chambers

Screenings Handling

Multiple models are designed for a variety of needs – from simple conveyance to sophisticated washing and compaction. Custom-designed equipment to perfectly complement a plant's screening system.



Whitetip Shark Washing Compactor

- Collects, transports, washes, dewaterers and compacts screenings
- Reduces disposal weight and volume



Thresher Shark Washing Machine

- Highest capture of inorganics with no emulsification
- Excellent return of organics and fecals to plant



Spinner Shark Screw Conveyor

- Effective transportation of solids
- Shafted and shaftless flights



Sluice Systems

- Proprietary bolt-on actuated gates available to retrofit existing sluice systems

Grit Removal

Highly efficient all stainless steel grit traps and classifiers effectively remove grit particles at variable flow rates with very little headloss. Durable and rugged equipment easily retrofits existing systems.



Sand Shark Grit Trap

- Highly efficient vortex-style system
- Sized to trap 95% of 300 micron grit



Sand Shark Grit Classifier & Hydro-Cyclone

- Specifically designed for de-gritting wastewater
- Elevates, dewaterers and disposes grit

Equipment Sizing



Hammerhead Onsite Screen Sizing

- Proprietary technology to analyze a plant's unique flow to properly design equipment
- Decreases capital and maintenance costs of the entire plant



Hydro-Dyne Engineering

Our formula for success is simple: intelligently design and skillfully manufacture exceptional quality equipment that provides extraordinary value to our customers. We do so by having complete control of our products from start to finish. As a full-service manufacturer, all design, fabrication and assembly is handled in-house. Since 1978, our time-proven designs in custom-engineered water and wastewater screening equipment have been trusted at more than 2,000 installations worldwide. At Hydro-Dyne Engineering, our solutions are ***Designed to Protect. Built to Perform.***

At-a-glance

- In-house design, fabrication and assembly
- Time-proven design
- 2,000+ installations worldwide since 1978
- Exceptional quality equipment and services
- Custom-engineered solutions
- All stainless steel fabrication
- 110,000 sq. ft (10,000 m²) manufacturing facility
- Made in the U.S.A.



Applications

Municipal Wastewater

- Combined storm overflow
- Correctional facilities
- Headworks for wastewater treatment plants
- Membrane bioreactor (MBR) protection
- Package plants
- Pump and lift stations
- Sludge and septage screening

Municipal Water

- Algae removal
- Desalination plant/RO protection
- Drainage canals
- Membrane protection
- Raw water intake
- Stormwater

Industrial

- Agriculture
- Chemical processing
- Cooling water intake
- Food processing
- Manufacturing
- Membrane protection
- Mining
- Petroleum
- Pulp and paper
- Textiles

Service

At Hydro-Dyne Engineering our factory-trained technicians take great pride in providing exceptional service to our customers around the world. From on-site screen sizing, equipment start-up, scheduled maintenance, service contracts, optional equipment, replacement parts and equipment remanufacturing, our experts support our customers throughout the life of their equipment.



To learn more visit: www.hydro-dyne.com
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Coarse Screens | Fine Screens | Screenings Handling | Grit Removal Equipment

Designed and manufactured in U.S.A. 
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