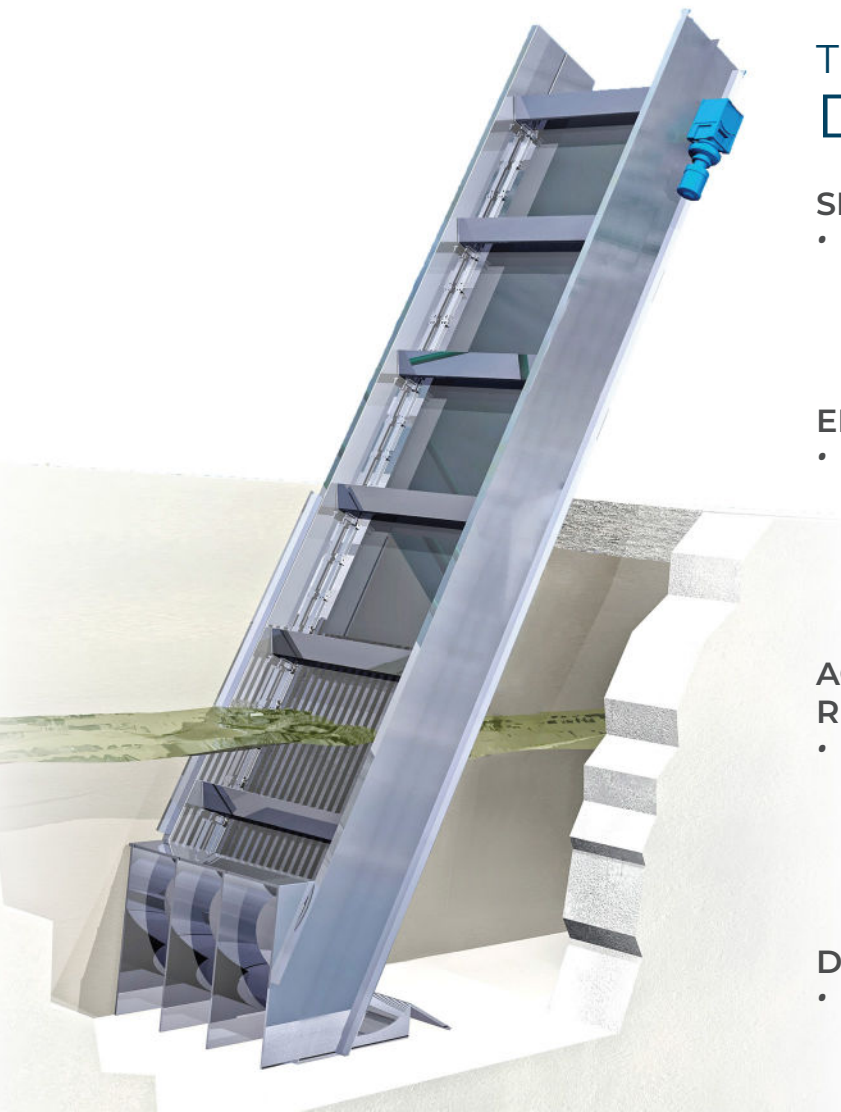


DUPERON® HARVEST RAKE

The Harvest Rake is an example of applying Duperon innovation to a unique need. It is specifically designed to manage high volumes of aquatic vegetation for algae harvesting and nutrient removal. It can also effectively remove large mats of long debris in open channel applications. The Harvest Rake offers a solution for sites that have side currents, backflow, or channel turbulence with the same flexibility, ease of operation, and simplicity expected from Duperon products.



THE DUPERON DIFFERENCE

SIMPLE OPERATION

- *Front-clean, rear-return design with robust lifting capacity removes upstream debris without having to penetrate through a debris mat without shutdown.*

EFFECTIVE DISCHARGE

- *Uses the weight and mass of long stringy debris to simply roll off and self-discharge eliminating the need for mechanical devices that can be problematic with aquatic debris. The discharge rate is designed to match process requirements.*

ACHIEVES HARVESTING OR NUTRIENT REMOVAL OBJECTIVES

- *Designed to move matted aquatic vegetation that spans multiple scrapers (ie. long, stringy strands of algae or sheets of matted vegetation) for fish farming, algae harvesting, estuary protection and similar applications.*

DUPERON INNOVATION

- *Nearly 40 years of partnering with our customers to solve their unique needs*



DISCHARGE
No additional debris removal devices required

FRONT-CLEAN, REAR-RETURN
removes debris in upward motion without needing to penetrate through upstream debris

ADAPTABLE DESIGN
Proven FlexLink™ allows for positive mechanical engagement and range of adaptability to manage irregularly shaped debris without jamming.

MAINTENANCE-FREE
water-lubricated plain bearing

MULTIPLE SCRAPERS
Multiple scrapers continuous clean to maintain open screening area and increase debris capture volume

THRU-BAR™ SCRAPERS
Thru-Bar™ scrapers eliminate accumulation between bars

RETURN CHAMBER
cavity eliminates solids bypass

PRODUCT DATA

UNIT WIDTH	2 ft to 10 ft
UNIT LENGTH	10 ft to 100 ft
ANGLE OF INSTALLATION	20 to 45 degrees
FINE SCREEN CONFIGURATION	¼ in, ⅜ in, and ½ in bar opening, tear-drop shaped bar, SSTL Thru-bar scrapers
COARSE SCREEN CONFIGURATION	5/8 in to 4 in, rectangular shaped bar, UHMW-PE Thru-bar scrapers
MATERIAL OF CONSTRUCTION	304 SSTL (standard), 316 SSTL & A36 Steel, Coated
SCRAPER SPACING	Every 4 links (standard) Every 2 link (option available for additional debris removal capacity)
CLEANING FREQUENCY	Ranges from 1.2 discharges/min to 7 discharges/min (based on scraper spacing and site needs)
FLOW CAPACITY	Engineered to your site
LIFTING CAPACITY	3,000 lbs
TYPICAL MOTOR	3 hp
STANDARD CONTROLS	Packages range from simple start/stop to sophisticated automation. Motor overload protection provided.
OPERATION OPTIONS	Continuously/Manual, Automatic with timer, float, SCADA, differential/high-level sensing options with I/O as needed