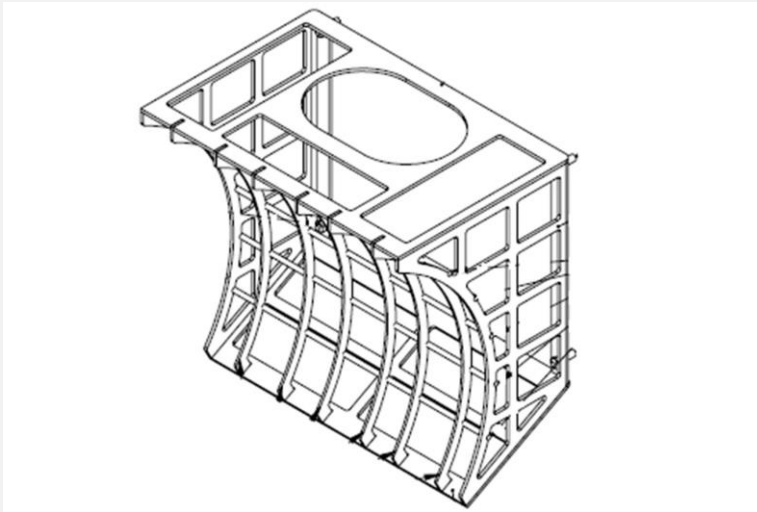




Self-Cleaning Debris Guard **Pump Defender** for IMS & Mud Cat™ Dredges

November 2016

NEW RICHMOND, WI USA – Ellicott Dredge Technologies (EDT) is pleased to announce new technology that will minimize down time by greatly reducing pump and cutterhead clogs in debris rich environments. EDT, through its IMS and Mud Cat™ product lines, is now offering the self-cleaning debris guard called the “Pump Defender” (patent pending) on its entire horizontal cutterhead product line.



The Pump Defender screen matches the contour of the horizontal cutterhead.

The Pump Defender is an advanced version of an auger cutterhead (horizontal cutterhead) debris screen that is designed to allow uninterrupted flow to the slurry pump while the cutterhead cleans it after every revolution. The cutterhead on a Model 7012 HP Versi-Dredge will rotate 1 time per second, so every second the Pump Defender is cleaned to ensure maximum flow and minimize downtime.

“The Pump Defender is proven technology that has been tested on multiple projects. We installed the Pump Defender on dredges in SE Asia, the Caribbean and the United States and the reduction in downtime is exponential. We are seeing 90% less down time in areas where there is debris or light vegetation growing in the sand and sediment,” said Ryan Horton, EDT Vice President.

Ellicott Dredge Technologies



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Quick Links

[Pump Defender Video](#)

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The Pump Defender reduces downtime for a project in the Caribbean where dense sea grass covered the sand in the entire dredging zone.

The Pump Defender has operated in heavily polluted waterways in SE Asia and reduced downtime by up to 90%. Additionally, the Pump Defender works well in heavy sea grass that can clog traditional debris guards and pumps.

Dredge operators will see the value of the Pump Defender. If they don't have to shut down 8-9 times a day to clean off their debris screen then they can improve operating efficiency, save diesel fuel, reduce labor costs, and stay ahead of schedule.



Click to view IMS 7012 Versi-Dredge dredging sand and sea grass in the Caribbean

The Pump Defender already replaces standard rock guards on the IMS Versi-Dredge models built between 2013-2016 and can be ordered through the EDT Parts Department at: ims-parts@imsdredge.com. The Pump Defender is available on new build Mud Cat models upon request, but can not be retrofitted to older models.

IMS and Mud Cat manufacture standard and custom hydraulic dredges for all inland waterway applications including rivers, lakes, ports, marinas, canals, drains, tunnels, tanks, and lagoons. For more

information on the Pump Defender please contact EDT Vice President,
Ryan Horton, at rhorton@imsdredge.com or 913-642-5100.

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