

# Dredge Yard and Neptune Shipyards launch multi-purpose Euro Dredger 450

The Euro Dredger 450, a Cutter Suction ( CS ) Dredge with a discharge pipe diameter of 450 mm built in the Netherlands, has been successfully launched and is now available for delivery.

The Euro Dredger 450 is the first Cutter Suction ( CS ) Dredge resulting from the partnership between Dredge Yard and **Neptune Shipyards** in The Netherlands. Both companies joined forces to enable the building of this **multi-purpose Cutter Suction ( CS ) Dredge** that is suitable for dredging, soft and medium compacted sand and other sediments up to a dredging depth of 10 m on inland waters, rivers and lakes.



The Euro Dredger 450 has a total installed power of 866 kW. It consists of 3 dismountable pontoons fixed by a rigid coupling system inside the pontoon. It is designed to be disassembled easily and to be transportable by road.

The high performance dredge pump – entirely developed and manufactured by Dredge Yard - is mounted directly onto the gearbox to save

space and reduce the weight, and it is driven directly by a 634 kW diesel engine. A hydraulic power pack of 232 kW is fitted on the main pontoon to supply hydraulic power to the cutter head, winches and spud hoist cylinders.





The hydraulically driven cutter head – developed by Dredge Yard – has exchangeable cutter teeth that come in three types: pick points, narrow and wide chisels. The blades of the cutter head are double curved to allow for a smooth mixture flow through the cutter and into the suction mouth.

The Euro Dredger 450 is the latest addition to Dredge Yards and Neptune Shipyards product range and the companies are already planning the development of their next multi-purpose Euro Dredger.

[DredgeYard.com](http://DredgeYard.com) ○

