



Effective Cutterhead Dredging



In dredging and pumping applications, sometimes you may encounter sediment that is hard and densely packed, making it difficult to pump. It is important to determine the best method to agitate the target material for optimal pumping and dredging. The attachments below can be fitted to a number of our dredging and pumping equipment options. Our standard cutter heads usually rotate between rpm and are equipped with specially designed replaceable cutter teeth around the attachment. The rotating cutterhead breaks up consolidated material such as compacted sand, mud, and sludge which helps feed material into the pump. We have many years of experience completing the toughest dredging projects around the world. Many of our dredge pump and excavator solutions are custom-built to fit the needs of our clients -

[cutterhead dredging](#).

The self-cleaning head attachment is ideal for effectively pumping highly viscous mud or sludge at a continuous production rate. As the basket rotates, a self-cleaning comb device clears the mud or other debris, allowing for less blockage of the intake. This unit works well with a jetting ring for mud and material agitation for optimal production rates. The cutter head is a mechanical rotating tool, which is able to cut hard soil or rock into fragments. It is mounted in front of the suction head and rotates along the axis of the suction pipe. Subareas and cutter types of the cutter head and typical TBM excavated tunnel face. Disc cutters mounted on the cutter head of a tunnel boring machine can be divided into the center cutter, face cutter, and gauge cutter according to their installment radius - [hydraulic dredging](#).

A cutterhead refers to any tool, or collection of tools, on a common system that is used to excavate the face of a bore by being rotated. This term normally applies to excavation using machinery such as tunnel boring machines, horizontal directional drilling rigs and other mechanical methods of excavation. Break up material and inject water at high pressure to break up and liquefy highly condensed solids. The high-pressure works in conjunction with the standard cutter head or self-cleaning head. This unit can be deployed via an excavator boom, cable hung from a crane, or floating A-frame. For more information, please visit our site

<https://www.Pacificmaritimegroup.com/>