ENVIRONMENTAL CLAMSHELL DREDGING

ACHIEVING CUSTOMER SATISFACTION BY REDUCING PROJECT OWNER COSTS AND INCREASING DREDGER PROFIT THROUGH INCREASED SEDIMENT REMOVAL EFFICIENCY.

RESUSPENSION → RELEASE → RESIDUAL = RISK

Sloping Profile
Allows for angled, lateral movement along an inclined bottom. Previously, over dredging in “steps” were required. These steps are then often filled in with capping material.

Over-Square Footprint
Width greater than opened length minimizes outward flow of material during bucket closure.

(100 m²)

Material Location
Center of Mass of material is located below the center of the bucket’s containment area minimizing material washout during bucket closing and ascension.

Level-Cut
Produces a near flat surface opposed to the pothole effect which can create a pool of contamination.

Lightweight
Eliminates the processing of hard, uncontaminated sediment.

Venting System with Open Center
Decreases downward pressure during bucket descent and seals in material during bucket ascension.

Overlapping Side Plates
Minimize outward flow (windrowing) of material during bucket closure and seals in material during bucket ascension.

Low Water Content
Squeezes and drains water to minimize transportation/disposal costs.

150° Cutting Edge
Allows the bucket to “scoop” material which lowers the materials center of mass within the containment area.

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ClamVision®
PRECISE XYZ DREDGE POSITIONING SOFTWARE

info@cablearm.com

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Cable Arm Positioning