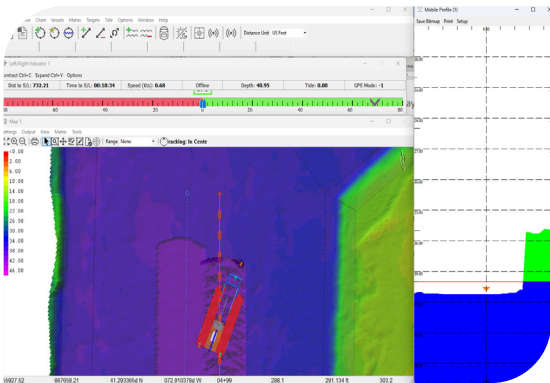




CUTTER SUCTION SYSTEM

INCREASING PRODUCTIVITY & MAINTAINING COMPLIANCE



FEATURES & BENEFITS

- Precise dredge positioning with RTK
- Dredge and capping operations
- Advanced 3D channel designs
- Quick surface to cutting tool reference with cut/fill bar

The HYPACK® Cutter Suction System and DREDGEPAK® Software create a powerful synergy that maximizes your digging efficiency and work production while minimizing operator error and over-dredging. This system enhances the dredge operator's effectiveness by improving cutting tool placement and providing immediate surface updates while dredging.

Easy to Operate and Maintain

The HYPACK® Cutter Suction System features a turn-key dredging system which provides the operator a more comprehensive overview of the dredge operations. Maintenance of this system is minimal due to its simplified hardware design. Calibration can be accomplished, at the operator's discretion, with a simple one-touch routine. Go from planning to dredging with ease as all HYPACK software packages share the same file formats, making importing your survey data and background charts seamless. By maintaining a record of the area dredged, the operator will be able to reduce dredging redundancy. This system also saves time by decreasing the dredge's cycle time and simplifying the post-dredge analysis and reporting.

A cost-effective way to track the depth and position of the cutting tool on a cutter suction dredge. After installation, the system can be calibrated by the operator with a single push of a button.

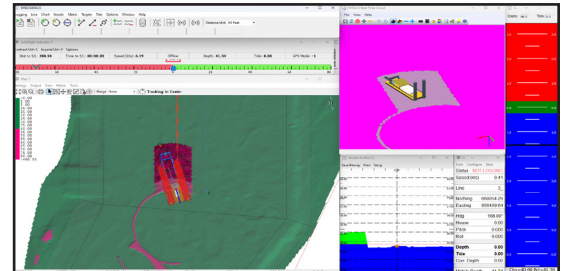


Dredging Efficiency

The HYPACK® Cutter Suction System helps organize the dredging operation by using reference lines or areas as a tool for the operator. It can display a pre-dredge or post-dredge Digital Terrain Model (DTM) colored by depth. The swing radius can be used as a planning tool for the next line. DREDGEPACK® also supports several file types including DXF, DWG, SHP, KMZ, and georeferenced TIF which can be used to plan the most efficient operation from the office, reducing delays and improving efficiency.

DTM Color Modeling & Real-Time Updates

The HYPACK® Cutter Suction System improves dredge efficiency by showing the exact location and depth of the cutting tool in real time. DREDGEPACK® displays already dredged areas, allowing the operator to position the dredge accordingly and continue the operation while preventing additional cost from over digging. The dredge template is visible on the screen for the operator to view the relationship of the cutting tool to the design.



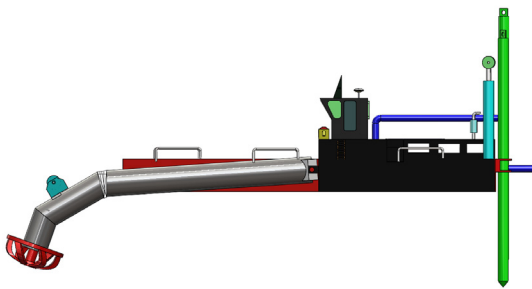
SWING LADDER

This package can also provide the sensors for working with cutter suction dredges with a swing ladder.



DOUBLE-ARTICULATED LADDER

DREDGEPACK® can calculate the depth for cutter suction dredges with a double-articulated ladder.



BETTER DATA, BETTER DECISIONS!

DREDGEPACK® is designed to assist your company in monitoring its digging operations. Area maps, nautical charts, and DXF files can be downloaded for geographical reference. A color-coded matrix shows your current depth, while a profile view displays both your current and required depths.

WHAT'S INCLUDED IN THE HYPACK CUTTER SUCTION SYSTEM?

HYPACK will provide:

- A complete package containing a DREDGEPACK® license and sensors
- Fast and reliable customer support
- A single platform to streamline surveying and dredging operations
- Support for over 400 marine sensors
- Software that readily interfaces with the USACE dredge quality management system