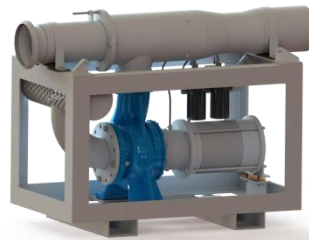


- ✓ **Power efficient Electric Motor Driven, no hydraulics**
- ✓ **Compact Design**
- ✓ **Small Deck Area Required**
- ✓ **Superior Performance**
- ✓ **Proven Reliability**



Underwater Cutting Solutions Ltd (UCS) is a leading offshore contractor specialising in the rental of purpose designed tools and techniques, focused on cold cutting of submarine & topside pipelines and structures using a wide spectrum of technologies.

UCS Dredging systems can be provided around the world with an experienced team of technicians either on stand-by contingency basis or on a rapid reaction mobilisation.

UCS also provides a range of complementing equipment including cold cutting systems and coating removal systems to support decommissioning and IRM work scopes or that can be utilised on individual projects.

- The UCS electric diver dredge system allows the excavation of seabed sand, gravel, clay and rocks up to 140mm (5.5") in diameter.
- Unlike hydraulic driven dredges on the market, the UCS dredge pump is driven by an electric motor. This eliminates the requirements for deck-space-hungry umbilical reels and HPUs.
- More importantly, replacing hydraulic hoses with an electric cable between surface and seabed eliminates the huge power losses associated with transferring hydraulic oil over long hoses meaning more power can be delivered to the dredging operation to reduce project duration.
- The system comprises remote controlled subsea dredge unit, suction hose, LP jetting hose and a compact electric driven umbilical cable winch.
- To save deck space the dredge unit can be mounted on top of the winch frame when not in use.
- Compliant to IEE wiring regulation (BS7671).
- Compliant to IMCA DO45 (safe use of electricity underwater).

SPECIFICATION SHEET

Accompanying Equipment

| | | |
|-----------------------------------|---|------------------|
| Dredging Capacity | 320 Cubes p/h (100% water) rate varies with waste content | |
| Electrical Requirements | 3 Phase 440v, 63amp | |
| Suction Rate | 5300 lpm @ 60Hz | |
| Gross Water Flow (Ejector) | 10630 lpm | |
| Max Rock size | 140mm | 5.5" |
| Std. Suction Hose Length | ID 200mm @ 10m | ID 8" @ 32.9' |
| Std. Exhaust Hose Length | ID 250mm @ Custom | ID 9.8" @ Custom |
| Dredge Skid Mass in Air | 680 kg | 1499 lbs |
| Dredge Umbilical Winch | 2250kgs | 4960lbs |

- The system is plug and play in to a local power supply.
- Supplied with a small spares box.
- Drill Guide base 'HALO' suction ring can be provided.
- Internal Pile dredging adaptor can also be provided along with high pressure cleaning heads.

| Dimensions – Dredge Skid | Length | Width | Height |
|---------------------------------|--------|-------|--------|
| | 1740mm | 800mm | 1191mm |
| | 68.5" | 31.5" | 46.7" |

| Dimensions – Umbilical Winch | Length | Width | Height |
|-------------------------------------|--------|--------|--------|
| | 2000mm | 1700mm | 1500mm |
| | 78.8" | 67" | 59" |

