

SPECIFICATION SHEET

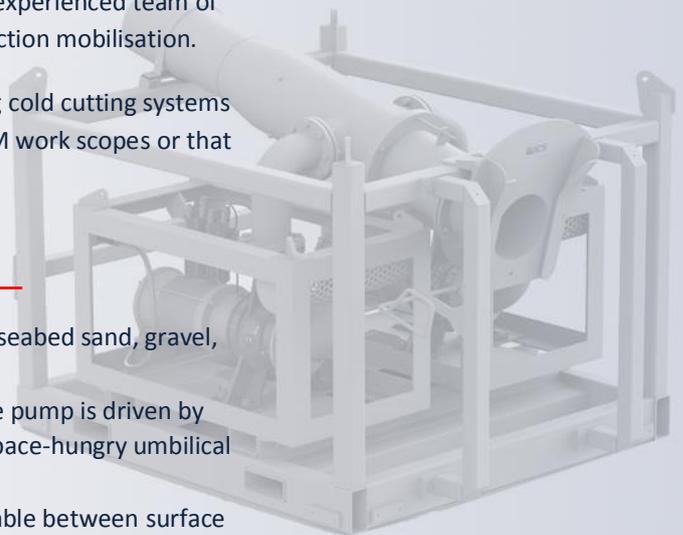
- ✓ **Power efficient Electric Motor Driven, no hydraulics**
- ✓ **Compact Design**
- ✓ **Small Deck Area Required**
- ✓ **Superior Performance**
- ✓ **Proven Reliability**



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 254mm (10") 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

Dredging Capacity	640 Cubes p/h (100% water) rate varies with waste content		
Electrical Requirements	3 Phase 440v, 50 – 60Hz, 125 Amp		
Suction Rate	10400 lpm (2746 usgpm) @ 60Hz		
Max Rock size	254mm	10"	
Std. Suction Hose Length	ID 305mm@ 10m/5m/4m	ID 12"	
Std. Exhaust Hose Length	N/A	N/A	
Dredge Skid Mass in Air	2450 kg	5401 lbs	
Dredge Umbilical Winch	4000 kgs	8818 lbs	
Dimensions – Dredge Skid	Length	Width	Height
	2100mm	1990mm	1700mm
	83"	78.4"	67"
Dimensions – Umbilical Winch	Length	Width	Height
	1964mm	2067mm	1685mm
	77.3"	81.4"	66.4"

12" Dredge System

- This is a plug and play system and only requires connection to a local power supply.

