M.O.L.E. – Mattress Orientation, Lifting & Extraction

Description

The Mattress Orientation, Lifting and Extraction (M.O.L.E.) tool has been designed to safely recovery subsea concrete mattresses to deck for decommissioning activities.

Deployed by the vessel crane and guided and monitored by the ROV this tool ensures as much contact with the mattress area as possible to minimise the risk of falling parts if the mattress is not fully intact.

The tool has 32 contact points over the four rakes used.

The arched frame at both sides allows the flexible mattress to be pushed up into the frame as we close the rakes. This compresses the material and secures it for safe recovery.

Each hydraulic Cylinder can be operated independently meaning that if a corner of the mattress needs to be grabbed to pull it into a better position, we have the control and power to do so with each rake capable of pulling 15te.

Hot stab interface optional.
Designed in accordance with DNV guidelines

Key Features

- Enables Safe Recovery of Subsea Mattresses
- High SWL
- Multiple contact points for as much hold to mattress as possible
- IVP fitted for controlling RAMs

What's Included

- Mattress Extraction Frame
- Compensator (fitted)
- 4-leg sling with master link
- Topside HPU
- Hose Reel
- Operational Hoses
- Operations Manual
- Certificate Pack

Options

- Pipe Recovery Tool
- Pipe Cutting Tools

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Specifications

Dimensions	L5230 x W4388 H1244
Weight	6.2Te
SWL	20Te