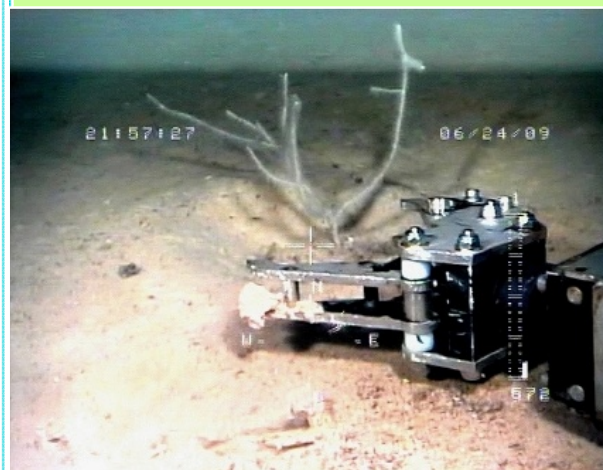




Hydro-Lek Case Study

Deep Water Coral Surveying



Hydro-Lek's five-function manipulator has been used to survey coral systems off the Greek Islands in the Ionian Sea

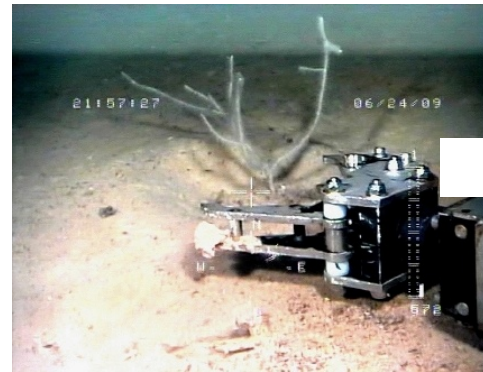
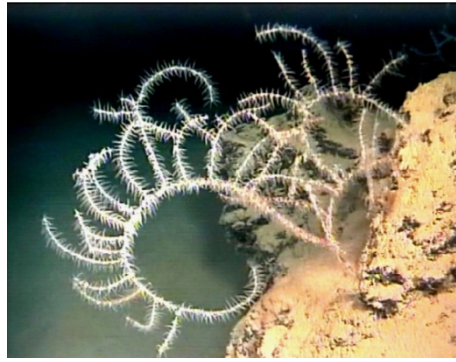
Hydro-Lek Ltd

Specialists in remote handling for the nuclear, subsea and defense industries

www.hydro-lek.com

As part of the EU funded Coralfish project (eu-fp7-coral-fish.net) the Hellenic Centre of Marine Research has been using its Max Rover ROV system to survey deep water cold coral systems off the Greek islands in the Ionian Sea.

The Coralfish project is investigating the importance of deep water coral systems throughout European seas with particular emphasis on associated fish, fisheries and management. Working off the island of Cephalonia at depths of 400-800 m, the ROV has been involved in video survey and in using its Hydro-Lek 5-function manipulator to recover unknown coral samples for identification in the laboratory.



Hydro-Lek HLK-HD5 Specification

Dimensions

Length of arm	819mm
Length of slew plate	280 mm
Height	145 mm
Width	380 mm (folded)

Capacities

Rotate	360
Torque at 140 bar	38 Nm
Lift capacity at full reach	40 Kg
Max working pressure	210 bar

Weight

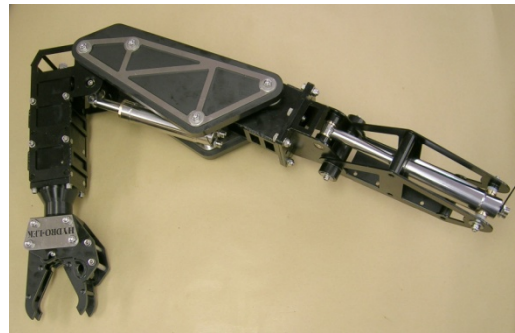
In air	21.5 Kg
In water	16.5 Kg

Construction

316 Epoxy hard coated
HE 30 hard anodised aluminium
High density polyethylene

Ports

1/8NPT/7/16 SAE



The Hydro-Lek HLK-HD5 5-function Manipulator

