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New Advanced Remote Manipulator

11/17/2008

CSIP launched its improved Hydraulic Advanced Remote Manipulator (ARM) 7. It joins a range of Underwater Manipulator Arms that work in conjunction with ROVs. The modular (ARM) 7 has been oxidized in red, and CSIP



has also re-engineered the manipulator by adding more lift power and controllability. It is designed to be flexible and agile due to a pincer device, which enables it to pick up objects as small as 5mm or as large as 150mm. The Manipulator can rotate continuously and has a closing force of 50 kg. The wrist yaw is 90 degrees whilst the forearm can rotate 350 degrees. The arm has a reach of 1.7m and typically weighs 70kg in air. Cameras can also be attached to send back key information to the main vessel waiting on the surface of the sea.

In addition to the ARM range is the pan and tilt that features a fully enclosed drive system, capable of oil or hydraulic operation. Constant rotation speed is given on both axis of 180 tilt and 360 pan allowing for full rearward vision. Position feedback is an initial or retrofit option and uses standard rotary potentiometers.

<http://info@csip.co.uk>

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