Subsea brushless DC motors.

The first maxon subsea DC motors and thruster demonstrators arrive in Australia.

As the industry starts to focus on heading over to WA at this time of year, maxon motor Australia are gearing up with the new line of subsea motors, gearheads, thrusters and compensators. Extensively using the current range of Heavy Duty brushless motors and gearheads, maxon motor have created a range of subsea housings to allow for oil filling and pressure compensation connection. The thrusters are fitted with Subcon connectors as standard however they can be customised for specific cable / umbilical requirements. Shown in figure 1) is an example of a 30mm brushless DC thruster with up to 10kg of bollard force. The unit has been manufactured in a clear case for demonstration purposes. The unit shows the special internal planetary gearhead with oil flow holes in the outer body and the brushless motor with oil flow holes in the rear surface. Figure 2) shows a subsea actuator for robotic applications and an associated compensator. This is a larger diameter high torque combination using a 42mm planetary gearhead. The range of subsea thrusters and actuators will become an industry benchmark for power to weight ratio and quality. maxon motor are also able to supply motor control units for use in subsea applications.

Contact maxon motor Australia for assistance with selecting a brushless motor for submersion in water.
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The media release is available on the internet at: www.maxonmotor.com.au