Media Release

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Modern robotic equipment, a lot of hard work and maxon DC motors.

maxon DC motors can be found in robotic aids, in some cases assisting incomplete paraplegic people to walk again.

Swiss company, Hocoma, is making huge in-roads using robotic equipment to assist in the rehabilitation of people with neurological movement disorders, stroke and incomplete paraplegic patients. There are four different types of equipment that assist with muscular strengthening exercises, exercising joints, sense of balance and improving circulation. In some cases, the equipment has assisted some people to start walking unaided again.

Brushed and brushless maxon DC motors and controllers can be found in all four of Hocoma’s robotic devices. The brushed maxon RE-40 DC motor was selected for its powerful density, ease of control, efficiency level of more than 90% and robust design. The motors ironless rotor delivers low inertia packed with a powerful punch. Also utilised are the maxon brushless EC-60 flat / pancake motors, chosen for their small and compact size and ability to deliver high speeds.

For more information please contact maxon motor Australia on Tel +61 2 9457 7477.

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The media release is available on the internet at: www.maxonmotor.com.au

Maxon DC motors and controllers in the Hocoma robotic mobilisation equipment:

**maxon RE 40 motor**
This DC motor provides 150 W of power. Equipped with graphite brushes, ironless maxon winding and has no cogging torque.

**maxon EC 60 flat motor**
The brushless pancake motors provide high torques despite their small size.

**maxon ESCON 70/10**
The ESCON controller regulates speed and current for brushed and brushless DC motors.
maxon motor Australia Pty Ltd
Unit 1, 12-14 Beaumont Road
Mt Kuring-Gai NSW 2080
Tel: +61 2 9457 7477
Fax: +61 2 9457 8366
info.au@maxonmotor.com
www.maxonmotor.com.au
Twitter @maxonmotoraust