Small Brushless DC maxon motors in a miniature cardiac pump.

With a span of just 6mm wide, the Aortix is an intra-aortic pump driven by small maxon brushless DC motors. Discreet and non-invasive this was developed to provide long-term circulatory assistance to those affected by chronic heart failure.

A revolutionary motorised device with the potential to help more than two million people in the US alone has been developed over two years in conjunction with maxon motor health-science engineers.

Designed specifically for long-term use with the small brushless DC motors in mind, cardiologists are able to administer a discreet, low-risk procedure via a catheter in the femoral artery. As an alternative to bulky, larger surgical devices, the Aortix improves blood flow to critical organs such as the kidneys. The device conserves the energy of the heart by nearly 40% allowing for the heart to beat more efficiently and in-turn directly supporting the heart’s recovery after surgery.

Based on a customised, “tailor-made” maxon brushless DC motor, this was designed for the extreme efficiency at the motor core. The brushless DC motor was specifically developed to extend the life of the battery and create minimal heat to ensure the circulating blood is not impeded in any way by this device.

For further information please visit www.maxonmotor.com.au or call +61 2 9457 7477.

Length of this press release: 220 words

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