A robot that can read your emotions.

maxon Brushless DC flat motors drive robots that you ‘get to know’.

From factory automation to spacecraft, military to medical, difficult applications are fulfilled with robotic devices. Now the field of robotics expands to the home. Robots that are funny, educational and helpful will soon be commonplace in homes across the world. SoftBank (the manufacturer of the Pepper robot) last year sold 1000 companion robots every month.

Robots capabilities are only limited by human imagination and available technology, and the imagination still spans much further. This is why maxon motor continually develop new motor designs to achieve the highest possible power density and dynamics.

The Pepper robot uses maxon Brushless flat motor technology. Often referred to as a pancake motor in Australia, the flat out runner design gives a high torque per volume ratio. It achieves this by the “lever arm” effect generated by placing the motors rotor on the outside of the stator. It can achieve a continuous output power of over 70W and weighs in at only 141 grams. 24V, 36V and 48V windings are available and custom windings can be produced to perfectly match an application speed and torque requirements.

Contact maxon motor Australia for further information or assistance. Ph: +61 2 9457 7477.

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Pepper.
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The brushless 45mm flat motor 70 W utilised in the Pepper robot.
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