Small gearmotor – technology matching.

New generation DC gearmotor example that shows the advantages of mix and match technologies and enables mechatronics engineers to tailor gearmotors for specific applications.

This is the first example supplied by maxon motor in Australia of the new DC-max motor range fitted with the high quality GPX gearhead. The DC-max motor is a new “bang for your buck” motor offering the same high powered rare earth magnets and patented maxon rhombic winding as the premium maxon motor range, only it is packaged in a cost effective housing. Mixing technologies in this way gives the unique advantage to the product designer to focus a gearmotors strengths where they are needed in the application. The high motor speed and high gear reduction requires the gearhead to act as an efficient transmission and this is only achieved through precision machining and quality materials that the GPX gearhead offers.

This specific gearmotor combination was specified in a sample preparation application where the gearhead portion of the drive is exposed to a corrosive atmosphere requiring all stainless steel construction however the motor portion is hermetically sealed and does not require the stainless steel body of the typical motor used with this gearhead. The advantage with this new mix and match approach to gearmotor selection being that essentially, the mechatronic equipment designer can allocate costs where needed for the device.

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