

DC Motor for Fine Rotary Motions

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The new – big and powerful – RE 30 EB precious metal brushed motor is a special and rare drive, and for certain applications, it's exactly what's needed. Precious metal brushes are known for ensuring low, constant contact resistance over the entire service life, a characteristic that makes control far easier. This motor also features a low start-up voltage, even after a long period in standstill. With a rated torque of 53 mNm, the motor is very powerful despite the precious metal commutation, providing twice the power of an RE 25 EB. In addition, there is minimal high-frequency interference. These are all advantages that are only possible with ironless windings and precious metal brushes.

The development of this motor was initialized by Maxon customers. As a result, the motor is specifically designed for haptic applications such as surgical robots. This means the motor can also be used as a highly-sensitive sensor, acting as the sense of touch for registering mechanical resistance.

For more information, visit www.maxonmotorusa.com [1].

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[1] <http://www.maxonmotorusa.com>