



EMS

**MEDTEC IRELAND
2006**

Electro Mechanical Systems (EMS) will be exhibiting for the first time at MEDTEC Ireland from 20-21st September 2006 (Stand 120).

The exhibition is directed at leading OEM's in the development and manufacture of medical equipment, including cardiovascular, orthopaedics, critical and emergency care, surgery, diagnostics, and implantable technology.

EMS the leading small drives specialist has a huge range of miniature Brushed DC motors from Minimotor SA and the Faulhaber Group, using System Faulhaber skew wound ironless core rotor technology giving unrivalled power to weight ratio. The admittance of iron in the winding improves efficiency and enhances acceleration times giving outstanding dynamic performance together with long life under extreme load conditions. Sizes start from the incredibly small 1.9mm diameter motor with planetary gearhead, up to 38mm and 220 Watts.

The same technology is applied to the Brushless motors where high speed and long continuous life expectancy can be reached.

Where space is at a premium and the conventional tubular motor design cannot be accommodated a range of Ultra thin low profile motors are available in both brushed and brushless format with motor depth starting from just 1.83mm.

In addition we also have high precision miniature Stepper motors, from Swiss precision manufacturer Arsape, starting from just 10mm diameter.

Applications which demand more than just the drive technology can be satisfied by Micro Precision Systems now part of the FAULHABER GROUP.

Starting 70 years ago with the development and manufacture of miniature, high-precision ball bearings, their continued development has resulted in their bearings taking part in the conquest of space. Thanks to the reliability and quality of MPS ball bearings, we continue to take on the toughest challenges by developing complex microsystems of increasingly minute proportions. Standard products consist of precision miniature ballscrews, precision linear bearings, linear bearings (un-housed), precision balls to 0.2mm and 4-point contact micro bearings. Sub-micron tolerances are achieved with their grade 3 ball production. MPS rely on all these core competences as they strive to provide industrialised solutions for customers who require Microsystems that include linear or rotating movement. Customised solutions using biocompatible materials have resulted in applications to date in the advanced technology fields of medical (implantable) devices, aerospace, optic devices, semiconductors, defence and micro-robotics.



PRESS RELEASE
www.ems-limited.co.uk