

# New from **EMS**:

## **Nidec** CMC Motors Brushless motor technology for the cost of a brushed DC motor

Nidec are the largest manufacturer of brushless motors in the world. The NEW Nidec range of Brushless 12 or 24vdc three-phase motors provide an exceptionally cost effective, higher performance alternative to conventional brushed and stepper motors commonly used in home appliances, office equipment and industrial applications.

They offer compact frame sizes from 24.2 to 48.9mm diameter, up to 17.5W continuous output power and no load speed options from 2150 to 17,800 rpm.

Nidec brushless dc motors offer the following advantages over standard brushed dc motors:

- Quieter operation
- Longer life
- Higher energy efficiency
- Free of electromagnetic interference problems
- Integrated control electronics
- Locked rotor protection
- Low inertia

Options include...

- Speed control via a PWM input signal
- Tachometer output
- Logic controlled clockwise or counter clockwise rotation and stop start functions

EMS also offer a range of standard gearboxes as well as a free comprehensive design service which enables our UK based Design and manufacturing facility to work closely with you to achieve the optimum bespoke drive solution.

*The Nidec product range is exclusively distributed in the UK and Ireland by Electro Mechanical Systems Ltd, to find out more about the products and services EMS can offer please visit our website at [www.ems-limited.co.uk](http://www.ems-limited.co.uk) or call one of our sales engineers today on 0118 9817391.*

