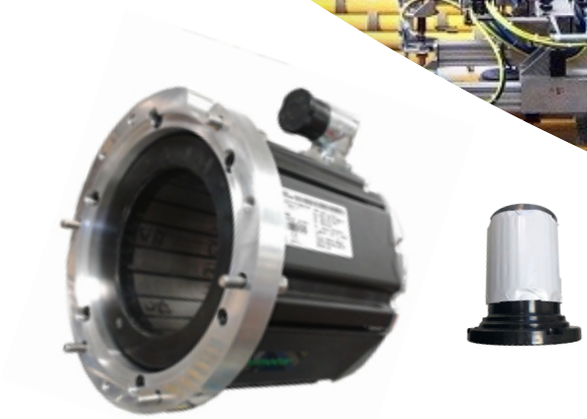
CONTROL TECHNIQUES DYNAMICS™

SERVO MOTOR SPECIALISTS

TORQUE
Motors

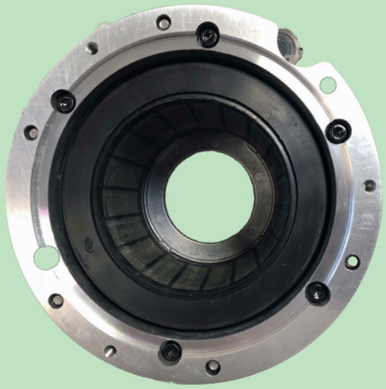
Innovative design and capability

As a result the Unimotor Torque range incorporates a number of unique performance enhancing design features with several patents pending.
This “raises the bar” in terms of both performance and quality



Housed Torque motors

Direct drive in a conventional motor housing consisting of frame, bearings, shaft and feedback device



Frameless Torque motors

Frameless motor for applications like robots, printing and packaging. Rotor/Stator assembled inside system hardware, space-saving, improved stiffness –elimination of backlash.

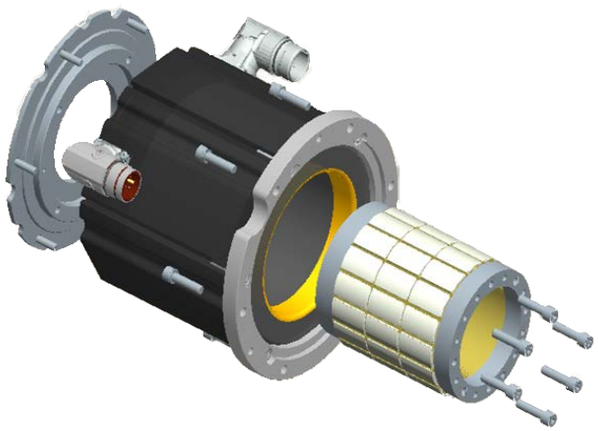
Nidec
All for dreams

FEATURES

- Hollow shaft: 158mm flange motor
- 90° Rotatable connectors
- IEC Flange 142 mm
- IP65 Conformance; sealed against water spray and dust when mounted and connected
- High accuracy and resolution feedback device.
- Winding speeds up to 6000rpm, dependent on frame size.
- 16 Poles

Motor frame size (mm)	158UG (Hollow)		142UG (Solid)
Frame Length	A	B	C
Continuous Stall Torque (Nm)	10	15	20
Standard Peak Torque (Nm)	30	45	60
Frame Length	D	E	F
Continuous Stall Torque (Nm)	25	30	35
Standard Peak Torque (Nm)	75	90	105

HOLLOW DESIGN



Nidec
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Control Techniques Dynamics Ltd is renowned for its innovations in the industrial servo, aerospace and defence markets since 1962 and is a member of the Nidec group of companies.

Our long experience provides a strong base to develop cost effective solutions for a spectrum of applications from machine tools, mechanical handling, pick and place machinery; through to specialised mechanisms and actuators for the avionics industry.

Our Research and Development team works closely with leading universities and, using our own proprietary software, designs innovative products for a wide range of demanding environments. Control Techniques Dynamics offers continuous advances in product range, backed with the expertise and flexibility to meet the demands of your applications - now and in the future.

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