

Nidec

Drives



Your Partner of Choice

Variable speed drives and motors.
Quality and reliability assured.



Nidec

With over 300 companies uniting under the “Nidec” brand means you, as an OEM, have access to an extensive network of resources and expertise that deliver world-class products and solutions.

Nidec is deeply committed to reinvesting profitability for the benefit of its businesses and customers, building world-class R&D capabilities, deploying cutting-edge machinery, and nurturing teams of dedicated professionals – all focused on establishing Nidec as a world leader.

Collaborating with and building lasting relationships with OEM's is at the heart of Nidec.



Nidec Drives

Variable speed drives and motors, creating the world's motion

Nidec Drives understand the tough challenges faced by Original Equipment Manufacturers (OEMs).

We make it our priority and mission to take on those challenges and turn them into opportunities for you to excel and stand out from the crowd.

We have **over 50 years of experience** partnering with large OEM businesses worldwide, from concepts to customised solutions, we are there to support you every step of the way. Our precision engineered drives deliver measurable benefits in energy efficiency, process control, equipment reliability, and reduced lifetime costs, making them a core technology for forward-thinking OEM businesses striving to minimise environmental impact, improve sustainability and move technology forward.

Backed by a **standard five-year warranty**, we stand behind the quality and reliability of our products – which gives you the confidence to do the same.

We are set up to support your business for the long term, whatever your requirements we can work with you to ensure you have the best products to meet your needs, from quality and reliability to building special features into the drive or motor to suit your specific application. **If it's possible we will deliver it.**



Supply Chain Security

With manufacturing facilities covering China, Europe, Asia Pacific and the Americas, we offer geographic diversity, benefiting our customers with shorter, more resilient supply chains. By ensuring that products are always available wherever our customers need them brings reassurance that lead times are kept to a minimum.

Our drives are manufactured using identical machinery, technology and techniques. This model guarantees that your supply chain will not be affected, any updates or changes made at our Headquarters can be swiftly and efficiently implemented across all locations. Allowing you to rest assured that the quality and reliability of your products will remain, guaranteeing a consistent and dependable experience.

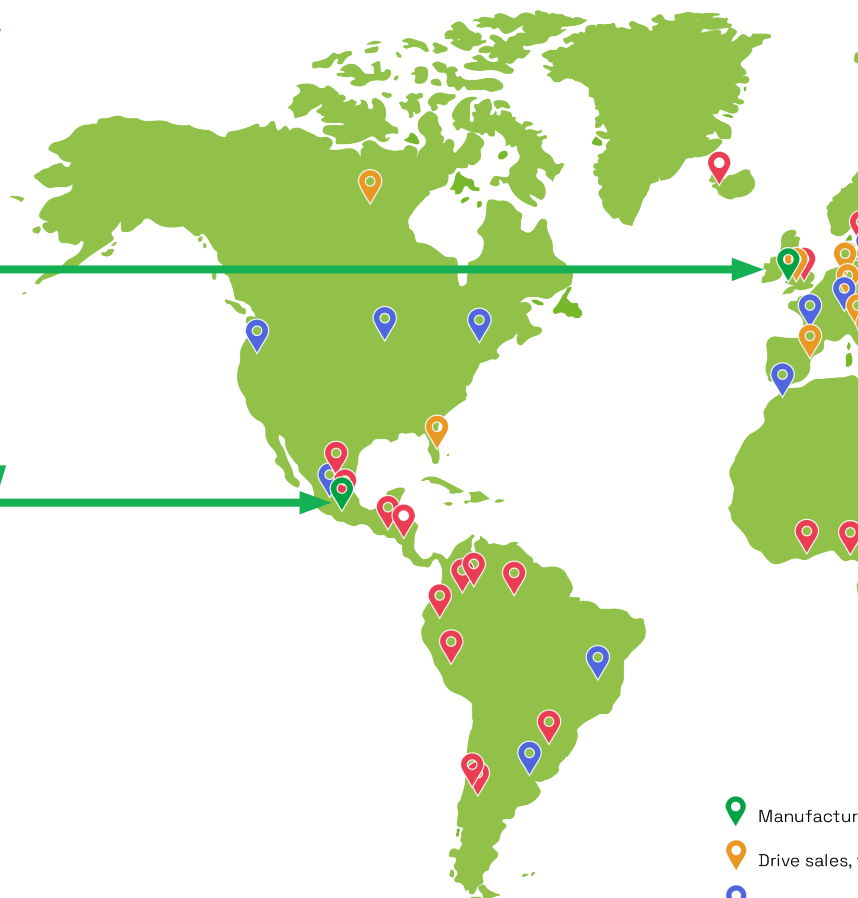
In the rare event that a machine requires maintenance or parts replacement, our global facilities are equipped with spare parts on-site. This ensures we can quickly restore your operations without causing delays, minimising downtime and keeping your supply chain running smoothly.

We are perfectly set up with the capacity to serve your volume needs.

United Kingdom



Mexico



- Manufacturing
- Drive sales,
- Drive sales
- Country Partner

Nidec Drives takes a strategic, proactive approach to planning supply chain resilience. This plan focuses on **ensuring supply continuity, cost efficiency, and flexibility** for OEM partners.

Access to high-quality components with minimal disruption is essential. To safeguard supply chains, we take decisive actions, including:

- Overdriving inventory levels to cushion against supply shortages
- Leveraging the grey market where necessary to mitigate financial impacts
- Sustaining critical design changes to improve component longevity
- Approving secondary sources (Tier 2 suppliers) to reduce single-supplier dependency
- Optimising logistics routes by balancing air, rail, and ocean freight options

By staying ahead of market trends and working closely with suppliers, we effectively reduce your risk and improve your supply chain stability.



ing Facilities

technical support, repair and application expertise

tners

Quality you can rely on

We believe in backing up our statements with facts. That's why when we say our products are quality by design, by build and by verification. We can confidently stand behind it.

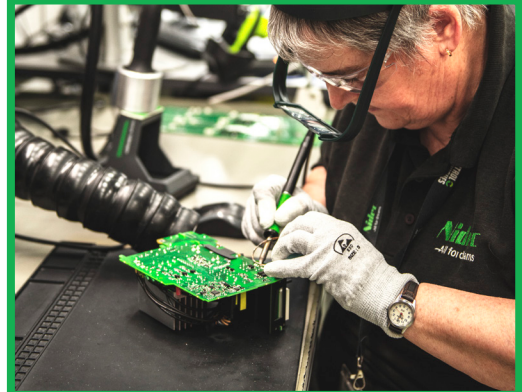
Quality Worker, Quality Company, and Quality Products

3Q6S and the Nidec Way is a culture that encourages Nidec businesses to continuously strive for operational excellence. Introducing measures that foster a clean and organised working environment that improves employee's productivity can be linked to higher quality products and services.

Full product traceability

To ensure the highest levels of quality and accountability, our manufacturing process integrates advanced traceability systems. Every drive is barcoded and tracked at each stage of production, providing a clear, real-time record of its journey from start to finish.

We ensure that each product meets with our rigorous standards and can be traced back for quality assurance and continuous improvement. With this traceability approach, we give our customers the peace of mind, knowing that every drive is built with precision, care and reliability.

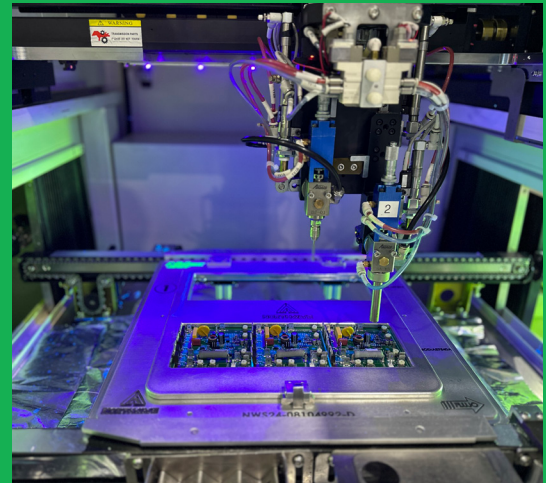
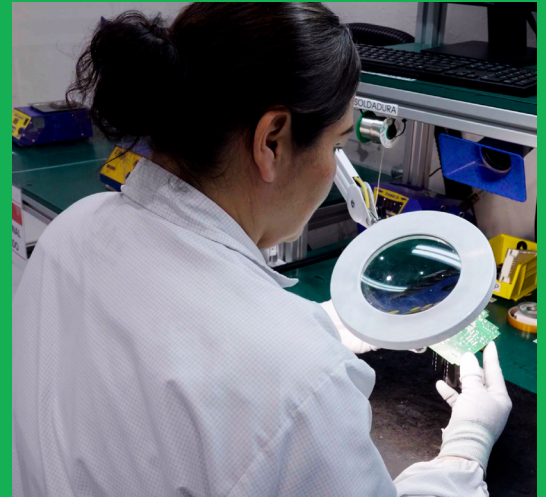


Quality through the microscope

As technology advances, everything becomes smaller, and with that, the challenges of achieving quality engineering become greater.

Our **state-of-the-art Quality Lab**, using the **latest hi-tech investigative equipment**, allows us to see defects that the human eye would not be able to detect. Using this specialist machinery we scrutinise our own circuit boards using high magnification optical microscopes and X-ray machines, we can also test component samples from new suppliers to ensure that every part we use in our drives meets with our customers very high expectations of quality.

This level of investigation adds another layer to the reliability of our products and means that we can wholeheartedly offer our 5-year warranty policy with conviction.



What does all this mean for OEMs?

- You can be assured that your drives will have gone through all our rigorous tests and processes to guarantee quality and reliability
- You get full product transparency and traceability
- You can be confident that your drives are being built with the utmost care and attention
- You can trust us to continuously look at improvement tools and methodologies to ensure we achieve fast, defect-free processes giving you an additional layer of confidence in our products
- It proves just like you, we strive for excellence in every thing we do

Creating essential motion towards a sustainable future

Sustainability is not just a trend – it's a core principle. We play our part and then our products continue that trend, **helping your machines to be both energy efficient and meet sustainability standards.**

Our approach is to enhance our own processes over the long term, to manufacture products without depleting resources or harming the environment. By leveraging innovative technologies, we can reduce energy use and minimise waste. Up to 85% of the materials used in our drives are recyclable, and we operate under an Environmental Management System (EMS) certified to ISO 14001 standards.

We want to work with you to improve the efficiency of your machines – be it a pump, fan or full production line – **our drives will help you to reduce energy consumption and environmental impact.**

Our sustainability strategy focuses on three-core areas:

- Energy efficiency – developing motors and drives that consume less power and enhance overall energy performance.
- Resource management – ensuring sustainable sourcing of raw materials to minimise environmental harm and maintain high product quality.
- Lifecycle management – continuously improving product lifecycle processes to reduce environmental impact from production to disposal.

Looking ahead

Nidec Drives is dedicated to advancing sustainability goals through innovative solutions:

- Developing next-generation eco-friendly drives.
- Expanding renewable energy initiatives across our facilities.
- Committing to zero-waste manufacturing processes.

Green drives for a green planet

Our efforts to drive progress include:

Designing motors and drives with enhanced energy efficiency.

- Implementing cutting-edge technology, such as permanent magnet motors, to reduce energy waste.
- Innovating with systems like Unidrive and Digitax, which recycle braking energy minimise heat loss.

Your drive, your way

If you need tailored solutions to bring the best performance out of your equipment, then Nidec Drives is the partner you have been looking for.

You may be looking for customised features or special plastics suitable for high temperature applications and you may not have the R&D resource to dedicate to this research or you may just want a drive with Nidec's level of technology, but you want it to look like yours.

We will work with you to design your drive to reflect your brand, investigate any special customisations required to match your application. We will work with you to get you ahead of your competitors.

Benefits of a customised variable speed drive solution

- Your drives can be designed to match your brand, therefore fit seamlessly into your machine designs
- Leverage products with special requirements to suit your application
- Save on R&D costs, prioritise your own R&D resources for projects dedicated to your core market
- Ensure you are meeting all regulatory requirements
- Ensure quality consistency with no variation due to firmware or hardware updates
- Leverage on service and repair revenues by having a dedicated drive product





Our products can contribute to building your brand recognition, while preconfigured / pre-parametrised products empower you to offer fast and efficient after-service to your final customer.

Whatever your reason, our dedicated team of sales consultants and application engineers will work with you from an initial concept all the way through design and development to implementation, they are committed to finding your best solution so you can get the best performance from your machines.

Typical Customisations include:

- Brand labelling
- Special firmware / fixed firmware
- Special hardware
- Pre-configured parameter sets
- Custom labelling
- Bulk packaging
- Factory fitted accessories



Set up to service your needs wherever you are in the world

As a company we aim to provide our customers with the best possible support wherever and whenever it may be required. With Drive Centres in 23 countries and 740 Partners, we have local engineering experts on hand to provide support throughout the development lifecycle of your application.

We provide full support through selection, installation and commissioning. **We are with you every step of the way.**

Our service and support teams go above and beyond to provide the right level of support to ensure your machines and applications give you the best possible performance.





Here's what makes us different



Outstanding performance

The outstanding performance of our drives is the fruit of over 50 years of engineering experience in drive design.



Embedded intelligence

Precision motor control is combined with the highest embedded intelligence, ensuring maximum productivity and efficiency of your machinery.



Technology you can rely on

Robust design and the highest build quality ensure the enduring reliability of millions of our drives installed around the world.



Open design architecture

Based on open design architecture, our drives integrate with all leading communication protocols.



Class-leading product portfolio

CONTROL TECHNIQUES

AC Drives



Commander S Micro Drive

General purpose drives

0.18 kW - 4 kW

1Φ 100 & 200 V,

3Φ 200 & 400 V



Commander C

General purpose drives

0.25 kW - 132 kW

1Φ 100 & 200 V,

3Φ 200, 400, 575, 690 V



Unidrive

High performance motor control

0.25 kW - 2.8 MW

100, 200, 400, 575, 690 V



NE200 & NE300

General purpose drives

0.4 kW - 900 kW

1Φ 200 V,

3Φ 400 V

Specialist drives for
pump, elevator &
HVAC

AC and Servo control for industry

DC Drives

Mentor MP

High performance
DC drive

25 A – 7400 A
two or four
quadrant operation

400, 575, 690 V



Freestanding Drives



DFS

Ready to use AC cubicle drives

55 kW - 2.8 MW

400, 575, 690 V

Servo Drives & Motors



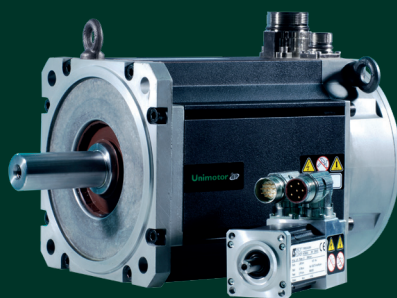
Digitax

For continuous and
pulse duty applications

0.7 Nm - 51 Nm with
153 Nm peak

1.5 A - 16 A with
48 A peak

200, 400 V



Unimotor HD and Fan Blown

Brushless AC servo
motor range

0.64 Nm - 85.9 Nm
(255 Nm peak)

060 - 190 Frames



5-year warranty as standard*

Our drives are so reliable we are confident enough to supply them with a five-year warranty as standard.

*Warranty terms and conditions apply. Control Techniques products only.

Class-leading product portfolio



KB Electronics

*"The Right Control
for Your Application"*

DC Drives



KBPC & KBRC

NEMA 4X / IP65

0.01 kW – 1.5 kW

115 and 230 VAC

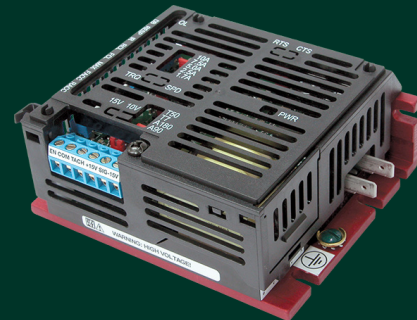


KBWM & MD

NEMA 1, IP50

0.0075 kW - 1.5kW

115 and 230 VAC



KBIC, KBMM & KBRG

Chassis / IP20

0.0075 kW - 3.7 kW

115 and 230 VAC

TRIAC Controls



KBGE, KBMC, KBMS, KBNH, KBSC & KBWC

Chassis, Panel Mount, Plug In, Wall Mount

2.5 - 20A

115 and 230VAC

AC Drives



KBVF

Chassis IP20

1 and 3-Phase Input

0.075 kW – 3.7 kW

115, 230 and 460 VAC



KBMA & KBWA

NEMA 1, IP50 & 20

Single Phase Input

0.18 kW – 0.75 kW

115 and 230 VAC



KBAC

NEMA 4X / IP65

1 and 3-Phase Input

0.075 kW – 3.7 kW

115, 230 and 460 VAC



KBDA

NEMA 4X / IP65

1 and 3-Phase Input

0.075 kW – 3.7 kW

115, 230 and 460 VAC



5-year warranty as standard*

Our drives are so reliable we are confident enough to supply them with a five-year warranty as standard.

*Warranty terms and conditions apply. Control Techniques products only.

Visiting our headquarters

As an OEM customer you will be looking for quality, performance and security in the drives supplier choice you make?

To ask you to place your trust in us as your number one drive supplier, we know there are a few questions you will need answering:

- Are your drives manufactured using sustainable methods?
- Do your drives meet and conform with all required standards and certifications?
- What level of technology and techniques are used in the making of your drives?
- What measures are in place to ensure all your drives meet the highest standards in terms of components and reliability?
- What measures do you have in place to fully test your drives?
- Do you have the capacity to meet our drive and motor quantity needs?

By welcoming you to our headquarters in Mid Wales, our manufacturing facility in Mexico or our new Hubli campus in India we will be able to show you just how we meet all those niggling questions, by giving you exclusive access to our manufacturing processes you can see for yourself how our drives are really made, you can see firsthand the machinery we use, the capacity we have to meet your needs and you can connect with the talented and experienced people behind our products.

If you would like to talk to us about your next big project and think a visit to our facilities would help.

Please visit www.controltechniques.com or scan the QR code below and email us so we can get in touch.



Virtual Support -

www.controltechniques.com

Our goal is to make it easy for you to tap into specialist knowledge, helping to ease some of the pressure of your design teams. Our website is designed to help you get to the information you need in order to make informed decisions that will affect your business.

Learn how Nidec Drives can help your business achieve energy savings and improve operating efficiency and performance.

Technical Support

Our new ticketing system allows our customers to access to human assistance for any technical questions. Customers can expect a response within 48 hours.

Product Portal

Our product portal provides you with detailed product specifications, datasheets, 3D CAD models and product configurator.

Diagnostic App

Quickly solve error codes that the drive may show.

Marshal App

Marshal is your drive expert in the field to be used with Commander S General Purpose drives for commissioning, cloning, diagnosing system issues and monitoring the drive.

Technical Documentation

Brochures
Product Portfolio
High Performance Drives
General Purpose Drives
Specialist Drives

Servo Drives and Motors
Machine Control
Manuals
Software
Firmware

Installation Guides
2D Drawings
3D Drawings
Datasheets
Knowledge Base Documents

Knowledge Base Documents

Gain access to in-depth information about specific functions of the drive.

Service and Repair

Our certified Service and Repair Centres have extensive product knowledge and provide a prompt, professional, guaranteed repair service.

Training

Control Techniques Global Training Centres offer a unique program of drive, servo and software training solutions.



Connect with us



www.controltechniques.com

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