

**Nidec**

**Drives**

# Company Overview



# Electric drives

## Creating the world's motion

We provide electric drive solutions that add value to our world, from the production of food, movement of materials and people, to keeping us comfortable in any environment.

Our precision engineered drives are designed to improve performance, efficiency, and productivity.

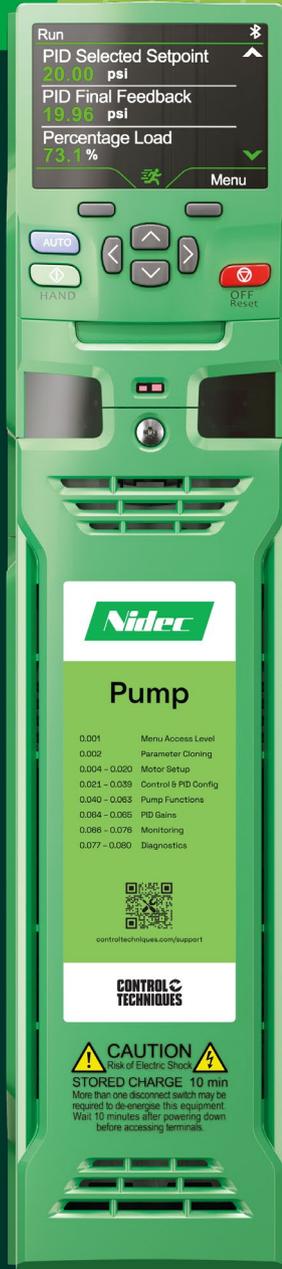
Present in over 70 countries, we are a truly global drives manufacturing business. This means we are always close to our customers, can speak to you in your own language and can guarantee fast, efficient service and support when it's needed.



**5  
YEAR  
WARRANTY**

# 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.

# Showcasing innovation

## We are true innovators



For more than 50 years we have been drive obsessed and our ambition pushes us to be the first name for drives. Our can-do attitude and expertise lead us to partner with customers in both commercial and industrial applications to provide innovative drive solutions.

With Research and Development facilities in five global locations, housing world class engineers at the top of their game, we continue to develop technological advancements in automation, seamless integration, and improved user experiences.

Every idea and technological advancement is meticulously engineered to make your life just that little bit easier.



# The future is bright

## Creating essential motion towards a sustainable future

Sustainability is on everyone's agenda, reducing our impact on our planet is vital if we're even to begin reversing the scars of the past, let alone minimising the damage of the future.

Electric drive technology has a key role to play. By improving the efficiency of our machines, whether that be a pump, a fan or even a full production line. We can help you achieve your sustainability goals.

Our electric drives offer significant benefits in terms of energy efficiency, process control, equipment reliability and reduced lifetime costs, making them a key technology for a forward-thinking business looking to reduce their environmental impact and improve their sustainability performance.



**The best  
engineers**

# Manufacturing excellence

With manufacturing facilities in five global locations covering China, Europe, Asia Pacific and the Americas (2), we offer geographic diversity, benefitting 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.

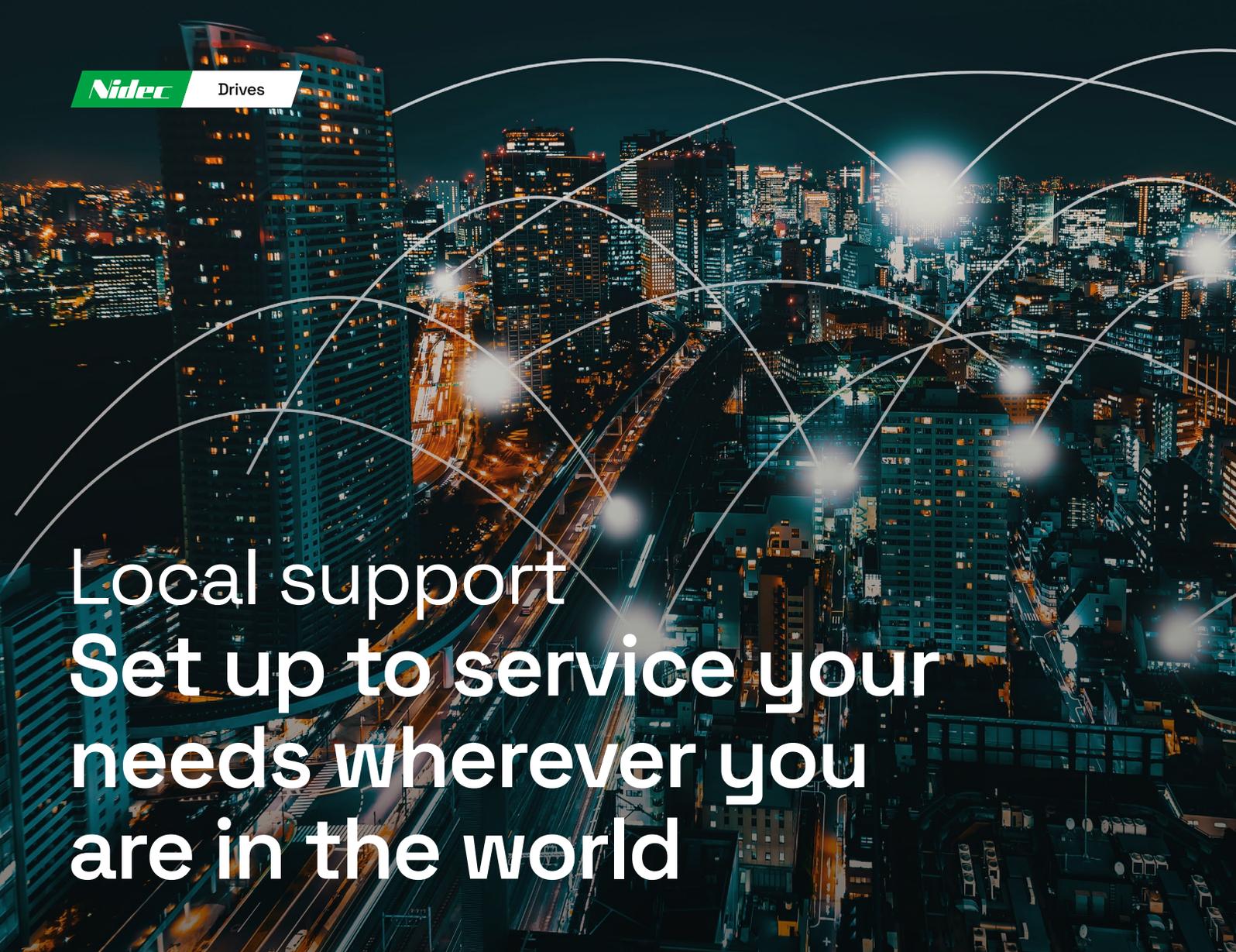
Our factories have seen multimillion dollar investments in terms of continuous improvements to our existing facilities and the addition of state-of-the-art purpose-built factories. We are fully committed to continue investing in our workforce to ensure we have the right people in the right jobs to support the growing drives market.

All of this ensures a real win-win for our customers, with all products manufactured using the same components and the same state-of-the-art technology, you can rest assured that in whichever location your drive is manufactured, the same exceptional quality and performance is guaranteed.



The best  
equipment

Groundbreaking  
techniques



# Local support 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.



**5 Global R&D Facilities**

**feeding**

**5 Global Manufacturing Sites**

**building more than**

**1 million drives a year**

**shipping to**

**23 Drive Centres & 740 Partners**

**servicing**

**70 countries**

**and growing**



-  Manufacturing Facilities
-  Drive sales, technical support, repair and application expertise
-  Drive sales
-  Country Partners

# Servicing dynamic applications Adding value to the world we live in...

Control Techniques is 100% focused on delivering world-class electric drives and power conversion technologies that are capable of both reducing energy consumption and increasing performance in whatever applications they are used.

No matter what industry you are in, with our long-standing expertise and flexible product portfolio, you can be sure we have the products to enable you to achieve the best possible engineering solution.

From our flexible Commander range, dynamic Digitax servo range, specialist drives for pumps, HVAC and elevators through to our high performance Unidrive family; whatever your application we have the answer.

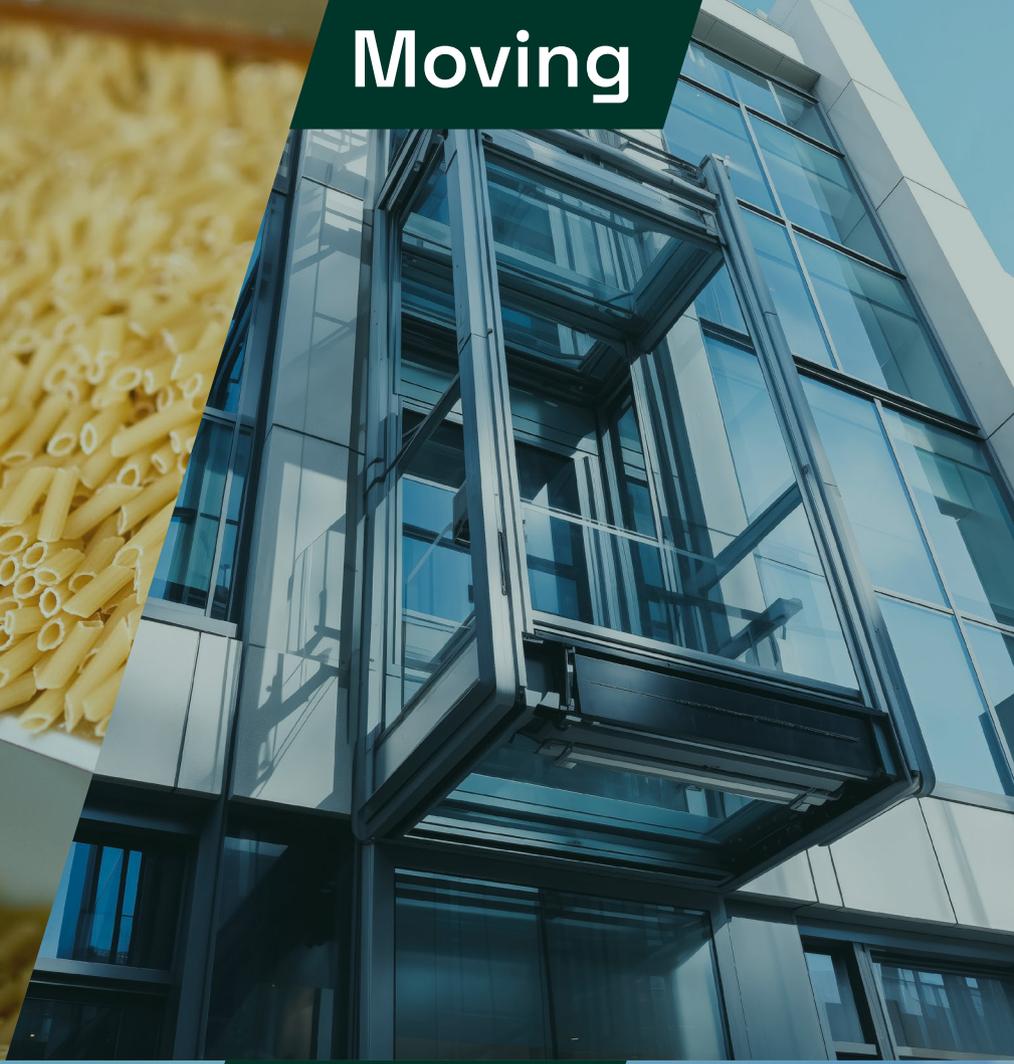


Prot

**Feeding**



**Moving**



**Protecting**



**Thrilling**



**...whilst saving energy**

# Future vision

# We are moving forward and want you to come with us

We will continue to invest in our people and facilities.

We will continue to build our product portfolio using the latest technologies to reach new levels of quality and performance.

We will continue to manufacture drives using the very latest machinery and technology.



**Providing you  
with solutions  
to succeed.**

# 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.



## Local support

Highly experienced, locally based application and sales engineers design and support drive technology to provide maximum value, wherever you are in the world.

# Class-leading product portfolio



## 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

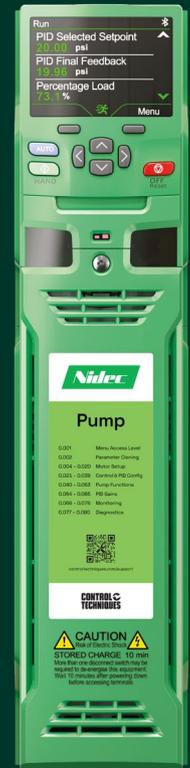
0.25 kW - 132 kW  
1Φ 100 & 200 V,  
3Φ 200, 400, 575, 690 V



### Unidrive

High performance motor control

0.25 kW - 2.8 MW  
100, 200, 400, 575, 690 V



Specialist drives for  
pump, elevator &  
HVAC



### NE200 & NE300

General purpose drives

0.4 kW - 900 kW  
1Φ 200 V,  
3Φ 400 V

## AC and Servo control for industry

# DC Drives

# Freestanding Drives

# Servo Drives



## Mentor MP

High performance DC drive

25 A - 7400 A

two or four quadrant operation

400, 575, 690 V



## Unimotor HD and Fan Blown

Brushless AC servo motor range

0.64 Nm - 85.9 Nm (255 Nm peak)

060 - 190 Frames



## DFS

Ready to use AC cubicle drives

55 kW - 2.8 MW

400, 575, 690 V



## 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



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# 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



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The Nidec logo is displayed in white, italicized font within a green trapezoidal shape.

Autom

Innovatin  
environn  
comfort

# The world's leading global manufacturer of electric motors and controls

Nidec, the world's largest motor brand.

**Nidec is in everything, everywhere.**

If you drive a car, wash your clothes, watch movies or talk on a smartphone, you're using Nidec technology. Almost anything that spins and moves, no matter how big or small, does so thanks to a Nidec product.

Our shared values of passion, enthusiasm and tenacity guide us on our collective journey to be the best.



## Appliance, commercial & industrial motors

Energy efficient motor and drive technology for commercial, industrial, and home appliances

## otive

ng to help improve safety,  
mental protection and  
required for automobiles



## Small precision motors

DC motors for all industries  
and applications



## Motion & Energy

High-performance motors, drives,  
generators & energy management  
solutions for renewables, automation,  
infrastructure, and electric vehicles

## Machinery

Machines, factory automation  
equipment, measuring, and  
testing devices

## We have our priorities right.

Whilst day-to-day tasks may change,  
the overall principles that guide us  
remain the same.

Be commercially and operationally excellent.

Engage and develop the best people.

Continually improve our processes,  
everywhere all of the time.



**Together, we make the  
world spin smarter.**



Connect with us



[www.controltechniques.com](http://www.controltechniques.com)

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