

The Motor Control Warehouse

The motor speed control experts

AC motor speed control products and peripherals for
the motion control and automation industries

This brochure showcases some of the products that we
supply, if you can't see what you require, please give us a call
and we will endeavour to help you.

www.motorcontrolwarehouse.co.uk



Inverter Optidrive P2

Powerful performance for advanced motor control

IP20 panel mount – 0.75kW to 250kW

IP55 – 11kW to 160kW

IP66 non-switched and switched with outdoor rated plastics – 0.75kW to 22kW

230V single phase and 400V 3 phase input models

Modbus RTU and CANopen on-board as standard

STO (Safe Torque Off) as standard

Options include: Encoder feedback, Profibus DP, DeviceNet, EtherNet IP, Modbus TCP, Profinet & EtherCat.



Inverter Optidrive E3

General purpose with easy control for all motor types

IP20 panel mount - 0.37kW to 37kW

IP66 non-switched and switched with outdoor rated plastics – 0.37kW to 22kW

230V single phase and 400V 3 phase input models

Modbus RTU and CANopen on-board as standard



Inverter Optidrive Eco

Energy efficient for fan and pump applications

IP20 panel mount – 0.75kW to 250kW

IP55 – 30kW to 160kW

IP66 non-switched and disconnect with outdoor rated plastics – 0.75kW to 22kW

230V single phase and 400V 3 phase input models

Modbus RTU and BACnet MSTP on-board as standard

STO (Safe Torque Off) as standard

Options include: Profibus DP, DeviceNet, EtherNet IP, Modbus TCP, Profinet & EtherCat.



Imoticon ID700

General purpose with an abundance of features

IP20 panel mount – 0.4kW to 75kW

230V single phase and 400V 3 phase input models

Modbus RTU on-board as standard

Danfoss FC51

Small yet powerful and built to last

IP20 panel mount – 0.37kW to 22kW

230V single phase and 400V 3 phase input models

Modbus RTU on-board as standard



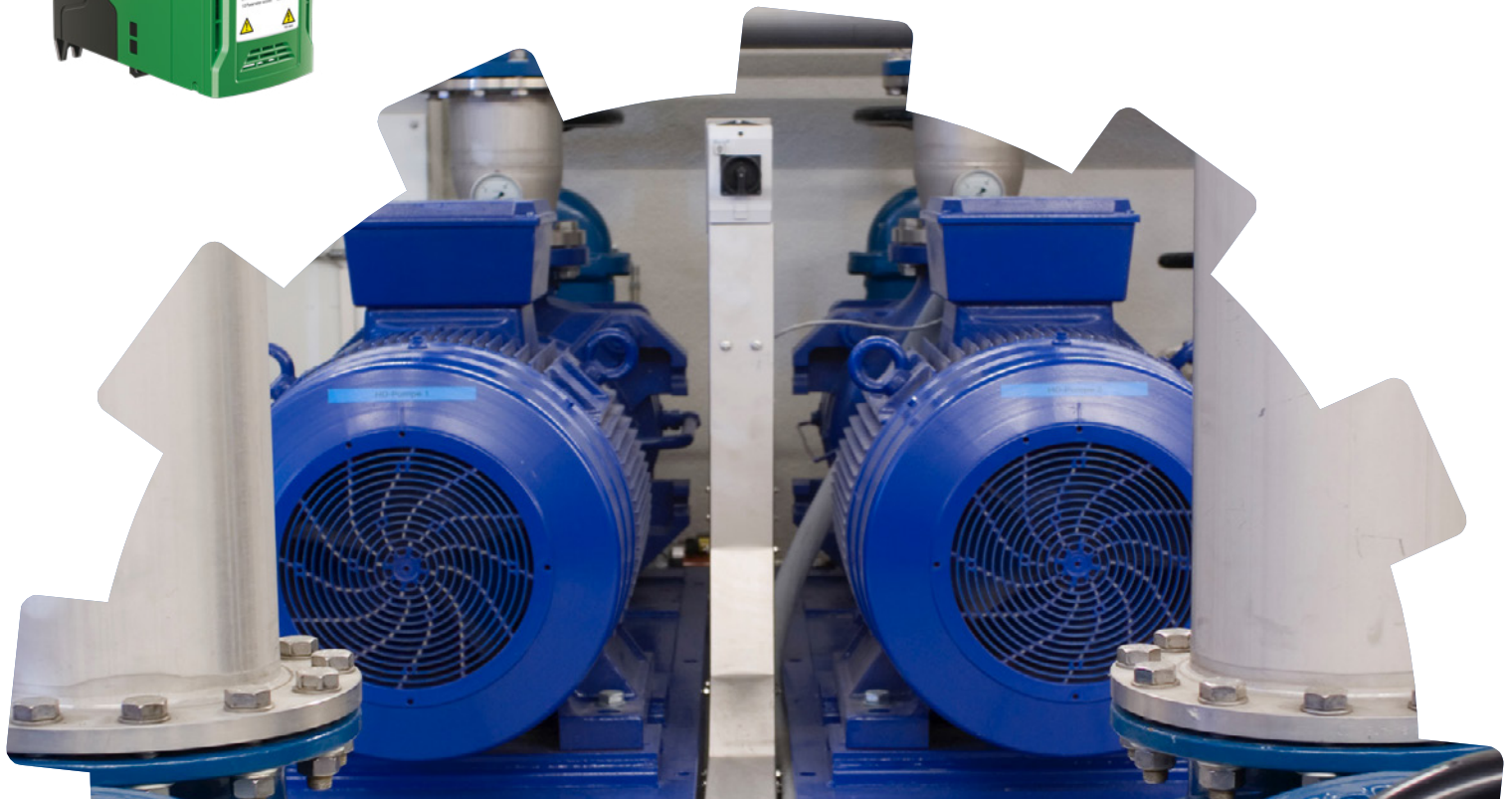
Nidec Control Techniques C200 and C300

General purpose - simple, reliable motor control

IP20 panel mount – 0.25kW to 132kW

230V single phase and 400V 3 phase input models

Built-in Safe Torque Off (STO) on the C300



Drive Modifications



Available with



Solcon Solbrake DC Injection Braking Units

Solid state DC injection braking units

Fast, smooth, frictionless braking of three-phase induction motors

IP20 panel mount - 5.5kW (10A) to 55kW (105A)



Schneider Soft Starts

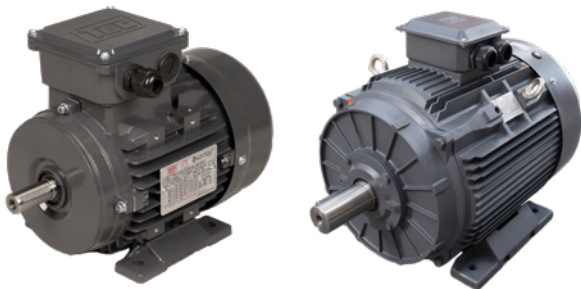
For 3 phase asynchronous motor starting

IP20 panel mount - 2.2kW to 160kW

ATS01 – 2.2kW to 15kW

ATS22 – 7.5kW to 160kW

(larger kW ratings available on request)



AC Induction Motors

Wide range of single and 3 phase motors available

230V single phase, TPC permanent capacitor or twin capacitor, 2 and 4 pole from 0.12kW to 3.7kW

Wide range of single and 3 phase motors available

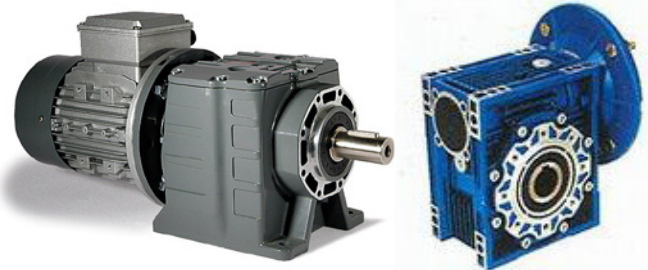
Aluminium and cast iron from 0.09 to 315kW, 2, 4, 6 and 8 pole

Brake motors from 0.25kW to 15kW

Foot, face or flange mount

IE2, IE3 & IE4 efficiency

Motor options including force vent fans, motor slide bases, motor capacitors and encoders



Gearboxes

Wide range of 90 degree and inline gearboxes available

TCNDK 90 degree worm reduction gearboxes

Various ratios and can be supplied on their own or coupled to a suitable motor

Accessories including output flanges, output shafts, torque arms and output covers

Varvel RD inline helical gearboxes

Various ratios and can be supplied on their own or coupled to a suitable motor

Accessories including output flanges and additional output shaft sizes



Enclosed Products

Pre-engineered or bespoke IP65 powder coated steel enclosures

GRP for external mounting and stainless steel options available

AC inverter drives from 0.75kW to 45kW

230V single phase and 400V 3 phase input models

Soft-starters from 1.5kW to 55kW, trip class 10 and trip class 20

400V 3 phase input

Star-Delta starters from 5.5kW to 90kW, trip class 10 and trip class 20

400V 3 phase input

110 or 230 or 400VAC coils



Options

Braking resistors, Input line chokes, Motor chokes, Motor sine filters, EMC filters, DIN rail power supplies, speed potentiometers, USB to RS485 serial communication leads and control stations

Product Customisation & Product Set-Up

Customisation of Invertek IP66 product, eg potentiometer and switches in terminal cover

Assistance with drive parameter set ups to realise control strategies and applications

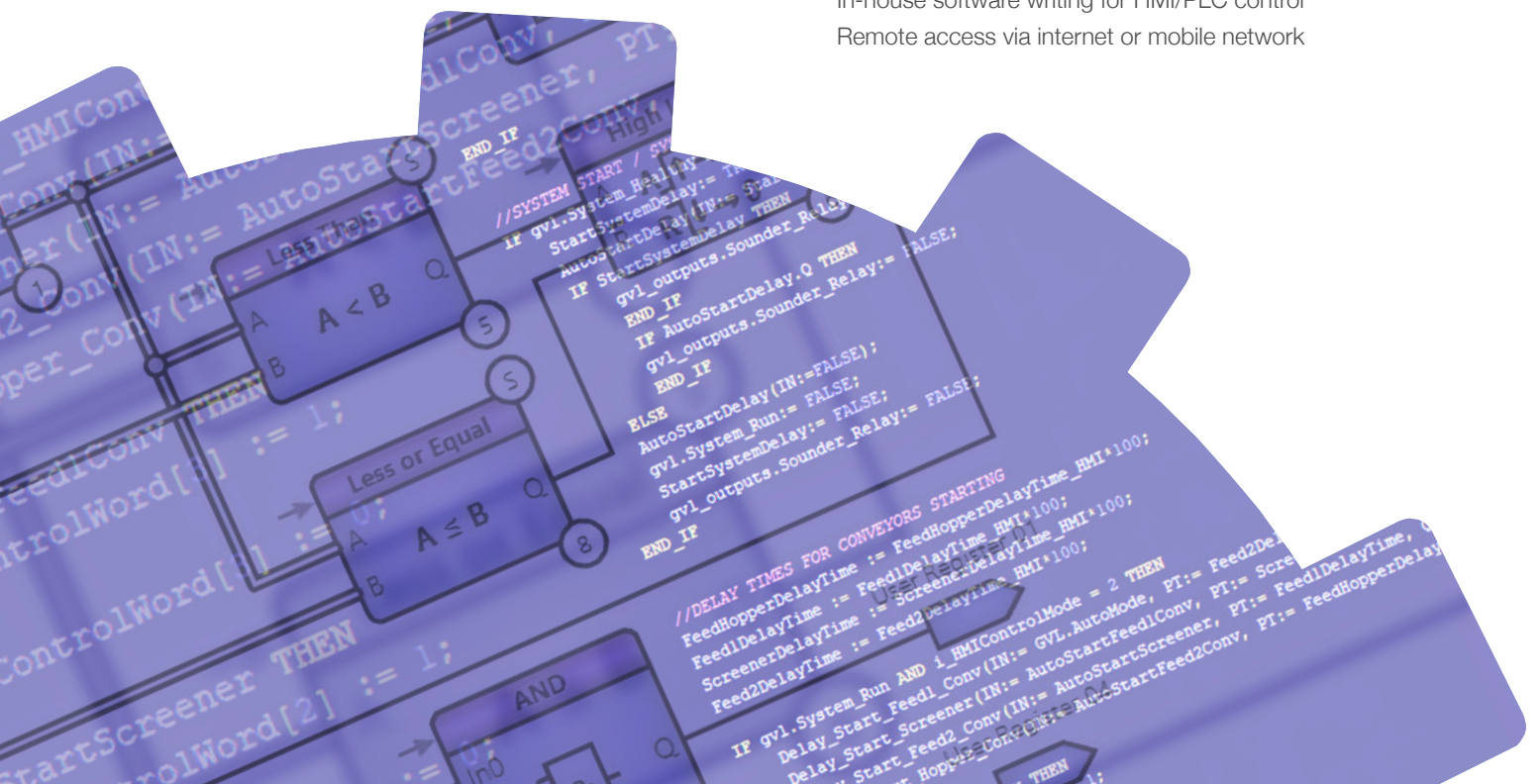
Creation of Optitools Studio PLC programs for enhanced set-ups of Invertek drives

Bespoke Engineered Control Systems

In-house manufactured panels and systems to customer specifications

In-house software writing for HMI/PLC control

Remote access via internet or mobile network





About us

At the Motor Control Warehouse, we specialise in motor speed control products. We supply AC inverter drives, motors, gearboxes, soft starters and many more associated speed control products.

We have Sales and Applications Engineers available to visit you on site and discuss your requirements. Our experience covers a wide range of power transmission, machine control and HVAC applications. We design and manufacture motor speed control systems from a simple 'star delta starter', or a 'drive in a box' to bespoke automation systems with HMI or PLC. We have the expertise to develop software to control systems to your specification.

Our systems and drive modules have been utilised in various applications, such as conveyors, printing machines, air handling, cranes, theatre stage control and complex pump control.

We pride ourselves on exceeding your expectations, both in our technical knowledge and customer support. We offer free expert technical support to all of our customers. Our aim is to ensure that you choose the correct product for your application and that your system is up and running efficiently with minimal delay.



Unit 43, Mochdre Industrial Estate
Newtown
Powys
SY16 4LE
UK

T: 01686 688948

E: enquiries@motorcontrolwarehouse.co.uk

W: www.motorcontrolwarehouse.co.uk