

# OPTIDRIVE<sup>™</sup> ⊂P<sup>2</sup> AC Variable Speed Drive

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OPTIDRIVE

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# Powerful Performance

Advanced motor control

0.75kW-250kW / 1HP-350HP 200-600V Single & 3 Phase Input

# Powerful Performance

World leading control for the latest generation of permanent magnet and standard induction motors

# Manufacturing veyer Systems Processing Plants Chemical Pumping Machine Tools Elevators Cranes



#### **World Leading Motor Control**

The all new Optidrive P2 offers the perfect combination of high performance together with ease of use to allow even the most demanding applications to be tackled easily.

Designed for fast installation and commissioning, Optidrive P2 provides the most cost effective solution for industry.

All Optidrive P2 units provide 150% overload for 60 seconds as standard, ensuring each drive is suitable for Heavy Duty applications, whilst the IP55 enclosed versions ensure the drive is tough enough to survive in industrial environments.

Extensive I/O and communications interface capabilities ensure the drive can be integrated quickly and efficiently into a wide variety of control systems with the minimum commissioning time, ensuring rapid start up. Invertek's simple parameter structure, and carefully selected factory parameter settings ensure that commissioning time is kept to a minimum.

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Compliant with international standards. Manufactured in the UK.

150% overload for 60 seconds

## OPTIDRIVE<sup>™</sup> ⊂P<sup>2</sup>





Panel mount units available up to 11kW



Wall mount units available up to 200kW



Wall mount units available up to 7.5kW

#### **Advanced Motor Control**

Optidrive P2 has been uniquely developed to allow a wide range of different motor types to be used, with only parameter changes being required. This technology allows the same drive to be used in a wide range of applications, allowing OEM's and end user alike to take advantage of the energy saving provided by using the latest motor technologies.

#### **AC Induction Motors**

The majority of AC motors in use today around the world are standard induction motors. These motors are relatively low cost, readily available and provide good performance with long service life. With the ever increasing focus on energy efficiency, motor manufacturers have refined and improved their designs in recent years.

Optidrive P2 has been developed to provide optimum control and maximum efficiency when operating with older motors designs, or newer high efficiency designs.

Operation can be in simple V/F control mode or in High Performance Third Generation Vector Mode, which provides up to 200% torque from zero speed without requiring an encoder.

#### Permanent Magnet AC Motors

Permanent magnet AC motors provide improved efficiency compared to standard induction motors. Using permanent magnets in the motor construction eliminates the need for any magnetising current, reducing electrical losses. PM motors have been used for many years in high performance applications, however this has always required the use of a feedback device, such as a resolver or encoder. Optidrive P2 has been designed to operate with AC PM motors without requiring any feedback device, allowing them to be used for their energy efficiency benefits without incurring extra cost and complexity in applications which do not require position feedback.

#### **Brushless DC Motors**

BLDC motors are similar to AC PM motors, however the design requires a slightly different control method to optimise the performance. Optidrive P2 has the flexibility to control this type of motor, requiring only simple parameter changes. This provides much greater flexibility for OEM's, allowing Optidrive P2 to be used in a variety of applications, with various motor types.

#### Synchronous Reluctance Motors

Synchronous Reluctance Motors (SynRM), not to be confused with Switched Reluctance Motors, share a similar stator construction to standard induction motors, however the rotor is substantially different, in order to improve the overall efficiency of the motor. SynRM motors are ideally suited to variable torque applications.

Optidrive P2 can control synchronous reluctance motors, allowing the energy saving benefits to be realised.

# At a Glance...

High performance, excellent usability and flexible to meet the needs of your application



## **OPTIDRIVE**<sup>™</sup> **⊂P**<sup>2</sup>



#### Safe Torque Off (provided as standard)

With

Without

Optidrive P2 features a safe torque off function to allow simple integration into machine critical safety circuits.

- Simple machine design reduces component costs, saves panel space and minimises installation time
- Faster shut down and reset procedures reduce system maintenance time
- Better safety standard compared to mechanical solution
- Better motor connection. Single cable with no interruption.





# Applications

High performance, accurate motor control for even the most demanding of applications



### Mining & Quarrying

- Feed conveyers
- Crushers
- Cranes

### Metals & Processing

- Grinding
- Cutting
- Polishing
- Drilling
- Rolling

#### **Rubber & Plastics**

- Extruders
- Moulding
- Mixers
- Winding

### Food & Beverage

- Conveyers
- Pumps
- Mixers
- Palletisers

Powerful, versatile and easy to use

# OPTIDRIVE<sup>™</sup> ⊂P<sup>2</sup>

#### Cranes



#### **Requirements:**

- High starting torque
- Smooth motor operation throughout starting and stopping phases
- Motor holding brake control
- Avoidance of load droop and sag
- Regeneration and braking capability during load lowering

#### **Optidrive P2 provides:**

- Dedicated Hoist Mode Operation with motor holding brake control algorithm
- Up to 200% torque from zero speed in vector operation without encoder feedback
- Multiple Preset Speed or variable speed operation
- Built in dynamic braking transistor, requires only an external resistor



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#### **Requirements:**

- Precise regulation of speed to ensure a consistent end product
- High starting torque demand in many applications
- Maximum efficiency under all conditions
- Safe operation to prevent accidents and injuries

#### **Optidrive P2 Provides:**

- PM Motor control mode to allows open loop operation with Permanent Magnet motors for maximum efficiency
- Maximum starting torque with standard AC motors
- Better than 0.5% speed holding accuracy in Open Loop Vector Operation
- Dedicated Safe Torque Off input complies with EN62061 SIL Level 2 for safe operation



#### **Requirements:**

- Precise control of motor torque over a broad speed range
- Accurate control of material tension under all conditions
- Open or closed loop control capability, based on tension feedback or winding diameter
- Web break protection in case of material breakage

#### **Optidrive P2 Provides:**

- PID Closed Loop Tension Control with feedback from a load cell or dancer arm
- Open Loop Vector control provides optimum control of the output torgue level
- Encoder feedback option allows for a very wide speed range, even down to zero speed
- Safe Torque Off input immediately disables the drive in Emergency conditions

# **Options & Accessories**

Installation options, plug-in modules and commissioning tools



## **OPTIDRIVE**<sup>™</sup> **CP**<sup>2</sup>

# Installation & Peripheral Options

A range of external EMC Filters, Brake Resistors, Input Chokes and Output Filters are available, to suit all installation requirements

### Optistick



#### Rapid Commissioning

- Allows rapid copying of parameters • between multiple drives
- Provides Bluetooth wireless interface to a PC running OptiTools Studio
- Backup and restore of drive parameters

**OPT-2-STICK-IN** 





Studio

# Powerful PC Software

#### Drive commissioning and parameter backup

- Real-time parameter editing
- Drive network communication
- Parameter upload, download and storage •
- Simple PLC function programming •
- Real-time scope function and data logging •
- Real-time data monitoring •

#### Compatible with Windows XP, Windows Vista & Windows 7

# **OPTIDRIVE™ CP**<sup>2</sup>

	kW HP Amps Size	<b>Litt Trong Construction</b> <b>Product Transaction</b> <b>Product Transacti</b>	на продати и пр	
200–240V±10% 1 Phase Input	0.75   1   4.3   2     1.5   2   7   2     2.2   3   10.5   2	ODP - 2 - 2 2 075 - 1 K F 4 # - # N ODP - 2 - 2 2 150 - 1 K F 4 # - # N ODP - 2 - 2 2 207 - 1 K F 4 # - # N	ODP - 2 - 2 2 010 - 1 H F 4 # - # N ODP - 2 - 2 2 020 - 1 H F 4 # - # N ODP - 2 - 2 2 030 - 1 H F 4 # - # N	Enclosure & Display Types <b>Replace #s</b> in model code with
200–240V ± 10% 3 Phase Input	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ODP - 2 - 2 2 075 - 3 K F 4 # - # N   ODP - 2 - 2 2 150 - 3 K F 4 # - # N   ODP - 2 - 2 2 220 - 3 K F 4 # - # N   ODP - 2 - 3 2 040 - 3 K F 4 # - # N   ODP - 2 - 3 2 055 - 3 K F 4 # - # N   ODP - 2 - 4 2 055 - 3 K F 4 # - # N   ODP - 2 - 4 2 055 - 3 K F 4 N - T N   ODP - 2 - 4 2 075 - 3 K F 4 N - T N   ODP - 2 - 4 2 110 - 3 K F 4 N - T N   ODP - 2 - 5 2 150 - 3 K F 4 N - T N   ODP - 2 - 6 2 030 - 3 K F 4 N - T N   ODP - 2 - 6 2 030 - 3 K F 4 N - T N   ODP - 2 - 6 2 030 - 3 K F 4 N - T N   ODP - 2 - 6 2 030 - 3 K F 4 N - T N   ODP - 2 - 6 2 030 - 3 K F 4 N - T N   ODP - 2 - 6 2 037 - 3 K F 4 N - T N   ODP - 2 - 7 2 055 - 3 K F 4 N - T N   ODP - 2 - 7 2 055 - 3 K F 4 N - T N	ODP - 2 - 2 2 010 - 3 H F 4 # - # N   ODP - 2 - 2 2 020 - 3 H F 4 # - # N   ODP - 2 - 2 2 030 - 3 H F 4 # - # N   ODP - 2 - 3 2 050 - 3 H F 4 # - # N   ODP - 2 - 3 2 075 - 3 H F 4 # - # N   ODP - 2 - 3 2 075 - 3 H F 4 2 - S N   ODP - 2 - 4 2 075 - 3 H F 4 N - T N   ODP - 2 - 4 2 150 - 3 H F 4 N - T N   ODP - 2 - 5 2 020 - 3 H F 4 N - T N   ODP - 2 - 5 2 020 - 3 H F 4 N - T N   ODP - 2 - 5 2 020 - 3 H F 4 N - T N   ODP - 2 - 6 2 030 - 3 H F 4 N - T N   ODP - 2 - 6 2 040 - 3 H F 4 N - T N   ODP - 2 - 6 2 040 - 3 H F 4 N - T N   ODP - 2 - 6 2 040 - 3 H F 4 N - T N   ODP - 2 - 6 2 040 - 3 H F 4 N - T N   ODP - 2 - 6 2 040 - 3 H F 4 N - T N   ODP - 2 - 7 2 075 - 3 H F 4 N - T N   ODP - 2 - 7 2 075 - 3 H F 4 N - T N	Colour-coded option 2-SN IP20 LED Display X-TN IF IP66 Non-switched OLED Display IP66 Switched OLED Display IP66 Switched OLED Display
380–480V±10% 3 Phase Input	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ODP · 2 · 2 4 075 · 3 K F 4 # . # N   ODP · 2 · 2 4 150 · 3 K F 4 # . # N   ODP · 2 · 2 4 220 · 3 K F 4 # . # N   ODP · 2 · 2 4 200 · 3 K F 4 # . # N   ODP · 2 · 2 4 400 · 3 K F 4 # . # N   ODP · 2 · 3 4 055 · 3 K F 4 # . # N   ODP · 2 · 3 4 075 · 3 K F 4 # . # N   ODP · 2 · 3 4 075 · 3 K F 4 # . # N   ODP · 2 · 3 4 110 · 3 K F 4 TN   ODP · 2 · 4 110 · 3 K F 4 N . TN   ODP · 2 · 4 4 135 · 3 K F 4 N . TN   ODP · 2 · 4 4 135 · 3 K F 4 N . TN   ODP · 2 · 4 4 135 · 3 K F 4 N . TN   ODP · 2 · 5 4 300 · 3 K F 4 N . TN   ODP · 2 · 5 4 370 · 3 K F 4 N . TN   ODP · 2 · 6 4 055 · 3 K F 4 N . TN   ODP · 2 · 6 4 075 · 3 K F 4 N . TN   ODP · 2 · 6 4 075 · 3 K F 4 N . TN   ODP · 2 · 7 4 110 · 3 K F 4 N . TN   ODP · 2 · 7 4 120 · 3 K F 4 N . TN   ODP · 2 · 7 4 120 · 3 K F 4 N . TN   ODP · 2 · 7 4 120 · 3 K F 4 N . TN   ODP · 2 · 7 4 120 · 3 K F 4 N . TN   ODP · 2 · 7 4 120 · 3 K F 4 N . TN   ODP · 2 · 7 4 120 · 3 K F 4 N . TN   ODP · 2 · 7 4 120 · 3 K F 4 N . TN   ODP · 2 · 7 4 120 · 3 K F 4 N . TN   ODP · 2 · 7 4 120 · 3 K F 4 N . TN   ODP · 2 · 7 4 160 · 3 K F 4 N . TN   ODP · 2	ODP - 2 - 2 4 010 - 3 H F 4 # - # N   ODP - 2 - 2 4 020 - 3 H F 4 # . # N   ODP - 2 - 2 4 030 - 3 H F 4 # . # N   ODP - 2 - 2 4 050 - 3 H F 4 # . # N   ODP - 2 - 3 4 075 - 3 H F 4 # . # N   ODP - 2 - 3 4 075 - 3 H F 4 # . # N   ODP - 2 - 3 4 150 - 3 H F 4 # . # N   ODP - 2 - 3 4 150 - 3 H F 4 # . # N   ODP - 2 - 4 4 150 - 3 H F 4 N - T N   ODP - 2 - 4 4 200 - 3 H F 4 N - T N   ODP - 2 - 4 4 200 - 3 H F 4 N - T N   ODP - 2 - 5 4 040 - 3 H F 4 N - T N   ODP - 2 - 5 4 050 - 3 H F 4 N - T N   ODP - 2 - 5 4 050 - 3 H F 4 N - T N   ODP - 2 - 6 4 050 - 3 H F 4 N - T N   ODP - 2 - 6 4 050 - 3 H F 4 N - T N   ODP - 2 - 6 4 150 - 3 H F 4 N - T N   ODP - 2 - 6 4 150 - 3 H F 4 N - T N   ODP - 2 - 6 4 150 - 3 H F 4 N - T N   ODP - 2 - 6 4 150 - 3 H F 4 N - T N   ODP - 2 - 7 4 200 - 3 H F 4 N - T N   ODP - 2 - 7 4 200 - 3 H F 4 N - T N   ODP - 2 - 7 4 200 - 3 H F 4 N - T N   ODP - 2 - 7 4 200 - 3 H F 4 N - T N	2-SN FILD Display IDD Display IDD Display IDD Display IDD Display IDD Display IDD Display
480–525V±10% 3 Phase Input	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ODP - 2 - 7 5 132 - 3 K 0 4 N - T N ODP - 2 - 7 5 150 - 3 K 0 4 N - T N ODP - 2 - 7 5 185 - 3 K 0 4 N - T N ODP - 2 - 7 5 200 - 3 K 0 4 N - T N	N/A N/A N/A N/A ODP - 2 - 2 6 010 - 3 H 0 4 <b># - # N</b>	
500–600V±10% 3 Phase Input		ODP 2 2 6 150 3 K 0 4 # # M   ODP 2 2 6 150 3 K 0 4 # # M   ODP 2 2 6 20 3 K 0 4 # # M   ODP 2 2 6 20 3 K 0 4 # # M   ODP 2 2 6 055 3 K 0 4 # # M   ODP 2 3 6 110 3 K 0 4 # # M   ODP 2 3 6 110 3 K 0 4 # # M   ODP 2 3 6 150 3 K 0 4 M T M   ODP 2 4 6 220 3 K 0 4 M T M	ODP $2 \cdot 2 \cdot 6 \cdot 020 \cdot 3 + 0 \cdot 4 + \# N$ ODP $2 \cdot 2 \cdot 6 \cdot 020 \cdot 3 + 0 \cdot 4 + \# N$ ODP $2 \cdot 2 \cdot 6 \cdot 050 \cdot 3 + 0 \cdot 4 + \# N$ ODP $2 \cdot 2 \cdot 6 \cdot 050 \cdot 3 + 0 \cdot 4 + \# N$ ODP $2 \cdot 2 \cdot 6 \cdot 050 \cdot 3 + 0 \cdot 4 + \# N$ ODP $2 \cdot 2 \cdot 6 \cdot 075 \cdot 3 + 0 \cdot 4 + \# N$ ODP $2 \cdot 2 \cdot 6 \cdot 075 \cdot 3 + 0 \cdot 4 + \# N$ ODP $2 \cdot 2 \cdot 6 \cdot 075 \cdot 3 + 0 \cdot 4 + \# N$ ODP $2 \cdot 3 \cdot 6 \cdot 100 \cdot 3 + 0 \cdot 4 + \# N$ ODP $2 \cdot 3 \cdot 6 \cdot 100 \cdot 3 + 0 \cdot 4 + \# N$ ODP $2 \cdot 3 \cdot 6 \cdot 100 \cdot 3 + 0 \cdot 4 + \# N$ ODP $2 \cdot 3 \cdot 6 \cdot 200 \cdot 3 + 0 \cdot 4 + \# N$ ODP $2 \cdot 3 \cdot 6 \cdot 200 \cdot 3 + 0 \cdot 4 + \# N$ ODP $2 \cdot 4 \cdot 6 \cdot 200 \cdot 3 + 0 \cdot 4 + \# N$ ODP $2 \cdot 4 \cdot 6 \cdot 200 \cdot 3 + 0 \cdot 4 + \# N$ ODP $2 \cdot 5 \cdot 6 \cdot 400 \cdot 3 + 0 \cdot 4 + \# N$ ODP $2 \cdot 5 \cdot 6 \cdot 6050 \cdot 3 + 0 \cdot 4 + 1 + N$ ODP $2 \cdot 5 \cdot 6 \cdot 6050 \cdot 3 + 0 \cdot 4 + 1 + N$ ODP $2 \cdot 5 \cdot 6 \cdot 6050 \cdot 3 + 0 \cdot 4 + 1 + N$ ODP $2 \cdot 5 \cdot 6 \cdot 6050 \cdot 3 + 0 \cdot 4 + 1 + N$ ODP $2 \cdot 6 \cdot 6 \cdot 125 \cdot 3 + 0 \cdot 4 + 1 + N$ ODP $2 \cdot 6 \cdot 6 \cdot 125 \cdot 3 + 0 \cdot 4 + 1 + N$ ODP $2 \cdot 6 \cdot 6 \cdot 150 \cdot 3 $	
		<b>kW Models: Factory Settings</b> Motor Rated Frequency: 50Hz Motor Rated Voltage: 400V	HP Models: Factory Settings Motor Rated Frequency: 60Hz Motor Rated Voltage: 460V	



### **Drive Specification**

				_				
Input Ratings	Supply Voltage	200 – 240V ± 10% 380 – 480V ± 10%		Fieldbus		CANopen	125 – 1000kbps	
	Supply Volidge	500 - 600V		Connectivity	Built-in	Modbus RTU	9.6 - 115.2 kbps selectable 8N1, 8N2, 8E1, 8O1	
	Frequency	48 – 62Hz			Optional	Other	PROFIBUS DP (DPVI) PROFINET IO DeviceNet EtherNet/IP	
	Displacement Power Factor	> 0.98						
	Phase Imbalance	3% Maximun					EtherCAT Modbus TCP	
	Inrush Current Power Cycles	< rated currer	nt • maximum, evenly spaced	I/O Specification	Power Supply	24 Volt DC, 100mA, Short Circuit Protected 10 Volt DC, 5mA for Potentiometer		
	i onoi oyaaa	230V 1Ph. Input: 0.75–2.2kW (1–3HP)		specification	D 11		ndard (Optional additional 3)	
Output Ratings	Output Power	230V 3Ph. In 400V 3Ph. In 460V 3Ph. In	put: 0.75–25kW (1–3HF) put: 0.75–75kW (1–100HP) put: 0.75–250kW put: 1–350HP put: 0.75–110kW (1–120HP)		Programmable Inputs Digital Inputs	3 Digital (Optional additional 3) 2 Analog / Digital Selectable 8 – 30 Volt DC, internal or external supply Response time < 4ms		
	Overload Capacity	150% for 60				Resolution: 12 bits Response time: < 4ms		
	Output Frequency	0 – 500Hz, 0	).1Hz resolution		Analog Inputs	Accuracy: <	Accuracy: < 1% full scale Parameter adjustable scaling and offset	
	Typical Efficiency	> 98%			Programmable Outputs	4 Total (Optional additional 3) 2 Analog / Digital 2 Relays (Optional additional 3)		
Ambient Conditions	Temperature	Storage: -40 Operating: -			Relay Outputs	Maximum Voltage: 250 VAC, 30 VDC Switching Current Capacity: 6A AC, 5A DC		
	Altitude	Up to 1000m Up to 2000m	ASL without derating maximum UL Approved maximum (non UL)		Analog Outputs	0 to 10 Volt		
	Humidity	95% Max, no	on condensing	Application		Internal PID Controller		
	Vibration	Sinusoidal Vi	0.075mm Pk	Features	PID Control	Multi Setpoint Standby / Sle Boost Function	select ep Mode	
Enclosure	Ingress Protection	IP20, IP55, IP			Hoist Mode	Dedicated Ho Motor Holdin Over Limit Pro	g Brake Pre-Torque & Control	
Programming	<b>1</b>	Built-in keypad as standard		Maintenance	Fault Memory	Last 4 Trips stored with time stamp		
riogrammig	Keypad	Optional rem	ote mountable keypad	& Diagnostics	Data Logging	Logging of data prior to trip for diagnostic purposes:		
	Display	7 Segment LE				Output Current Drive Temperature DC Bus Voltage		
	PC	OptiTools Stu	dio					
Control Specification		V/F Voltage Vector Energy Optimised V/F 3GV Sensorless Vector Speed Control 3GV Sensorless Vector Torque Control Closed Loop (Encoder) Speed Control Closed Loop (Encoder) Torque Control PM Vector Control BLDC Control BLDC Control			Maintenance Indicator	Maintenance Indicator with user adjustable maintenance interval Onboard service life monitoring		
	Control Method				Monitoring	Hours Run Ma Resettable & I Cooling Fan I	Non Resettable kWh meters	
				Standards Compliance	Low Voltage Directive	Adjustable sp EMC require	eed electrical power drive systems. ements.	
	PWM Frequency	4–32kHz Effective			EMC Directive	2004/108/EC 230V 1Ph. Filtered Units: Cat C1 According to EN61800-3:2004 400V 3Ph. Units: Cat C2 According to		
	Stopping Mode	Ramp to Stop: User Adjustable 0.01–600 secs Coast to Stop						
	Braking	Motor Flux Br Built-in Brakin			Machinery	EN61800-3:2004		
	Skip Frequency	Single point,	ngle point, user adjustable		Directive	2006/42/EC	-	
	Setpoint Control		0 to 10 Volts 10 to 0 Volts		Conformance	CE, UL, C-Tic	k, EAC	
		Analog Signal 20 to 20mA 20 to 0mA 20 to 20mA 20 to 4mA			Marine	DNV Certified	J	
		Digital	20 to 4mA Motorised Potentiometer (Keypad) Modbus RTU CANopen					
			topon					

### Model Code Guide



### **Connection Diagram**



Function	Default Setting				
24 Volt DC Output, 100mA max / 24 Volt DC Input					
Digital Input 1	Drive Enable				
Digital Input 2	Forward/Reverse Select				
Digital Input 3	Preset Speed 1 Select				
+10 Volt Power Supply	y 5mA				
Analog Input 1	Speed Reference 0–10 Volt				
0 Volt					
Analog Output 1	Motor Speed				
0 Volt					
Analog Input 2					
Analog Output 2	Motor Current				
Safe Torque Off Input					
Safe Torque Off Input					
Output Relay 1	Drive Healthy / Fault				
Output Relay 2	Drive Running				

NOT	to scale			Ξ.	Ξŀ	2	2	-	
		IP20		IP66		IP55			
	Size	2	3	2	3	4	5	6	7
mm	Height	221	261	257	310	450	540	865	1280
mm	Width	110	131	188	211	171	235	330	330
mm	Depth	185	205	239	266	252	270	330	360
kg	Weight	1.8	3.5	4.8	7.7	11.5	23	55	89



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## +44 (0)1938 556868

Invertek Drives Ltd is dedicated to the design, manufacture and marketing of electronic variable speed drives. The state of the art UK headquarters houses specialist facilities for research & development, manufacturing and global marketing. The company pledges to implement and operate the ISO 14001 Environmental Management System to enhance environmental performance.

All company operations are accredited to the exacting customer focused ISO 9001:2008 quality standard. The company's products are sold globally in over 80 different countries. Invertek Drives' unique and innovative drives are designed for ease of use and meet with recognised international design standards.



# **Global Drive Solutions**

Invertek Drives operate at the heart of automated systems around the world



**Crane Control** Demanding application at South African mine



Machine Tool OEM UK machine tool supplier specifies Optidrive



**Film Manufacturing** Optimum tension control in Australia



**Food Processing** Precision conveyor control in Spain



SGS

SGS

**Amusement Parks** Reliable control of difficult loads in Spain



Optidrive P2 User Guide

Invertek Drives website

#### www.invertekdrives.com/optidrive-p2

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