

WHY CHOOSE INVERTEK DRIVES?



Engineered for Efficiency, Built for Reliability, Trusted for Performance.

What Sets Invertek Apart:



Proven Engineering Expertise

Over 25 years of motor control innovation, rooted in Welsh manufacturing excellence since 1998.



Worldwide Manufacturing Strength

Headquartered in Welshpool, UK, with global support in over 80 countries for quality and scalability.



Global Success Focus

Recognized with the King's Award for Enterprise in International Trade for 149% overseas sales growth.



Energy-Saving Solutions

Customizable variable frequency drives (VFDs) reduce energy consumption by up to 50% in industrial applications.

Invertek at a Glance:

Invertek - Custom Service & Support Options

- Modular configurable with lower installation cost, designed to client specifications
- Pre-assembled units reduce setup time and cost, built to order
- Factory-trained experts provide global support
- Comprehensive custom assistance minimizes downtime, enhancing operational efficiency

Innovation Centre Solutions

The high-performance design leverages continual investment to deliver bespoke VFDs, optimizing energy use and supporting sustainable industrial processes worldwide.

Global Support Network

Provides a quiet, serviceable, and efficient system with sales, service, and application support in over 80 countries, ensuring long-term reliability for custom projects.



Optidrive Eco

Dedicated drive for geared and gearless elevator systems, providing smooth carriage control in residential, commercial, and industrial lifts. Offers a quiet, efficient solution for HVAC and pump applications, featuring customizable settings to optimize energy use and reduce operational costs with long-term durability.

Key Features: Automatic energy optimization, sleep/wake functionality, multi-pump control (Optiflow technology), sensorless vector control, open loop permanent magnet vector, BLDC vector, and synchronous reluctance vector modes; supports IE2, IE3, and IE4 motors.

Optidrive E3 Series

The ultimate in compact motor control, offering easy-to-use VFD technology with customizable options for small to medium applications, enhancing efficiency and simplifying installation with a 3-year warranty.



Key Features: Switchable modes (Industrial, Pump & Fan) for application optimization; revolutionary motor control for reliable single-phase starting; internal PI control, brake chopper, dual analogue inputs; Bluetooth connectivity; supports induction (IM), permanent magnet (PM), BLDC, synchronous reluctance (SynRM), and line start PM (LSPM) motors.

Optidrive Coolvert

Engineered for refrigeration and cooling applications, this customizable drive optimizes performance with energy-efficient control, supporting sustainable cooling systems.



Key Features: Compact through-panel mounting for space savings; cold-plate option (flat aluminum plate replaces heatsink for integration with external heat exchangers); approved for Hitachi scroll/rotary and Siam Compressor Industry (SCI) compressors; supports natural refrigerants (A2L and A3); enhanced safety features including fire safety and emergency operations.

Optidrive Elevator Core

The high-performance design delivers smooth, reliable elevator operation with custom configurations, ensuring safety and efficiency in vertical transportation systems. USB-C iConnect allows easy drive programming and analysis with no mains power or specialist connections required.



Key Features: Five independent S-ramps for fine-tuned ride comfort; dedicated motor holding brake control; user-friendly elevator menu structure via display, keypad, serial port, or USB-C; in-built data recorder (accessible without mains power) for event logging and troubleshooting; standstill motor autotune (no shaft rotation needed); wireless parameterization via Optistick.