

PG Drives Technology provide compact and cost-effective motor controllers that are ideal for small industrial vehicle applications.

Christchurch, UK – Thursday, 30 January 2014 – The C3 and C3pump motor controller range from [PG Drives Technology](#) – a product brand of Curtiss-Wright Industrial and leaders in control devices, medical mobility vehicle systems and equipment – are ideal for small industrial vehicle applications including Class 3 pallet trucks and stackers.

The [C3](#) is a compact and cost-effective AC motor controller, which is primarily intended for Class 3 pallet trucks and stackers but is equally suitable for small ride-on machines. The C3 is available in two power options (200Arms and 250Arms at 24Vdc) thereby allowing the most cost-effective solution for an application. The controller can be quickly matched to any AC induction motor via PG Drives Technology's simple, three step auto-commissioning sequence. The C3 can accept multiple types of throttle connections, including 2- or 3-wire resistive and voltage. Inputs are available for direction switches, tiller switch, belly-button, seat switch, speed reduction and drive/hydraulic inhibit, as well as lift and lower signals, both switch and proportional types. A CAN tiller compatible variant is also available.

The C3's software controls all hydraulic functions and can easily cater for interlocking of drive with lift/lower. Hydraulic functions can also be disabled in response to certain conditions such as a low battery voltage. This capability reduces the possibility of battery damage as a result of deep-discharge. To ensure maximum efficiency, an intelligent Hill-Hold algorithm only draws power from the battery if the vehicle starts to roll, removing the traditional requirement for a brake switch.

The [C3pump](#) from PG Drives Technology combines the 200/250Arms AC traction drive of the C3 with a 330A DC pump drive for controlling the lifting hydraulics. Designed with all the specialist features required for efficient and precise control of modern day stackers, C3pump features include multiple 2A outputs (for proportional valve, solenoid valves, electro-magnetic brake, line contactor and horn), 2 analogue inputs and 8 switch inputs. The C3pump is also CAN tiller compatible as standard.

Both C3 and C3pump are RoHS compliant and designed to meet EN1175, EN12895 and UL583 requirements.

PG Drives Technology control systems are used in electric vehicles serving the industrial and medical markets, including materials handling vehicles, floor-cleaning machines, powered wheelchairs and mobility scooters. The company's products deliver precise variable power from batteries to electric drive motors, and are fully programmable to suit various motor types, voltages and power levels. All products incorporate proprietary advanced motor control algorithms and available accessories include joystick controls, displays for battery state-of-charge and vehicle status, and field programming units.

Further information is available from the new-look PG Drives Technology website (www.pgdt.com) or by calling +44 (0)1425 271444.

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About Curtiss-Wright Industrial

The Curtiss-Wright Industrial (www.cwc-ind.com) business unit is formed from a group of established specialist companies who are experts in the design, testing, manufacture and marketing of a range of components and systems for the safe and reliable operation and control of mobile and static machinery - especially advanced electric-powered vehicles, heavy trucks, buses, off-road and military vehicles and motorsport.

About Curtiss-Wright Corporation

Curtiss-Wright Corporation (NYSE:CW) is an innovative engineering company that provides highly engineered, critical function products, systems and services in the areas of flow control, motion control and surface treatment technologies to the defense, energy and commercial/ industrial markets. The legacy company of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of design and manufacturing innovation and prides itself on long-standing customer relationships. The company employs approximately 10,000 people worldwide. For more information, visit www.curtisswright.com.

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