

Power up

The Generator Power Pack is selling well, according to MG Power Solutions. The pack gives platform users an onboard power station.

Suitable for all types of aerial work platforms, the Generator Power Pack gives up to 3,500 Va output to 110v BS4343 sockets on the platform and at the machine base. This saves the trouble and expense of hiring a separate generator and provides safe and efficient power for operatives working at height.

Major drawbacks of using generators or not having a power source on deck are either theft or trailing wires.



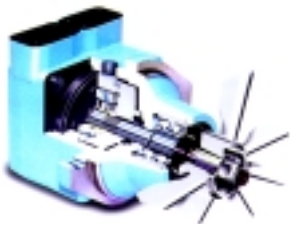
High Temp Load Cell



All load cells have output spans that change with temperature. This causes measurement errors, particularly if the cell has to operate over a wide temperature range. Generally, nickel or Balco foil resistors are used in series with the sensor excitation connections to compensate for errors in strain gauged load cells. However, this method can also cause problems: the non linearity increases at temperatures above 100 degrees centigrade and foil resistors are useless above 200 degrees centigrade.

Novatech has come up with a solution whereby it uses passive temperature sensitive elements in the bridge circuit. Accurate linear compensation can be achieved over a temperature range of minus 50 to 250 degrees centigrade. An international patent is pending, and this technology is already available on over 70 per cent of Novatech's products.

Fan tastic



Denison Hydraulics was given an SED Award for Excellence

for its fan drive system earlier this year.

The system, which is designed for use in heavy duty engine cooling applications, is digitally controlled and hydraulically powered. It enables improved vehicle emissions and better fuel efficiency, as well as obviously controlling the engine's coolant temperature. It can perform these and other functions efficiently because it does not rely on the traditional direct drive system which correlates cooling to

engine speed. The Denison fan only uses the power it needs to accomplish its tasks, so does not waste energy.

The digital controller is designed to be mounted within the engine compartment or similarly accessible place on the machine. It is programmed via Windows software, run on a PC connected to the Denison OptoLink interface. This communicates with the controller through an infrared LED port, ruling out the need for wires.

Slew drive

Reggiana Riduttori has recently introduced The Series 2000 slew drive



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reduction gears to the market.

The product is especially designed for cranes, excavators and other slewing equipment. It has a reinforced housing, heavy duty bearings and is able to exploit the compact size and various mounting options offered by planetary gearing. At the same time, separate output bearings and a choice of rotation supports give design and operational benefits.

The series 2000 also has increased output torques size-for-size over competitive planetary products and is interchangeable with other models.

Heavy duty couplings

Rectus Tema has launched two new ranges of flat faced, self-sealing couplings for heavy plant and machinery.

The latest IF range is interchangeable with other brands conforming to the ISO standard 16028. They are leak proof and resist almost all mud and debris so are easily suited to hard conditions. Because they self seal, there should be no oil wastage when connecting or disconnecting them, (which can be



done with one hand).

Another feature is the TEMA 'double coat' anticorrosion system. All the steel parts are treated with yellow zinc and dichromate, under a coat of Aqarez clear laquer.

The IA series is for very heavy duty applications. The couplings will operate at working pressures up to 300 bar, with

minimum pressure drop and good resistance to pulsing pressures. A new seal ensures that the probe is automatically cleaned on entry into the coupling body, to cut down on contamination.