

AUTOMATION

MOBILE TERMINAL

New from **Advantech-DLoG** is the latest 15in version of its MTC series. Designed for mobile and stationary applications, the mobile thin client (MTC) 6/15 terminal features a high quality, durable construction, and a mix of proven and cutting edge technologies which is claimed to provide the highest

reliability. It is suited not only to challenging applications in the area of machine data acquisition and production

data acquisition, but also to use in the logistics field.

Fulfil requirements from controlling to visualisation and monitoring applications, the terminal is equipped with the latest technology such as CFast, which uses SATA connections to deliver very short boot times and high levels of performance.

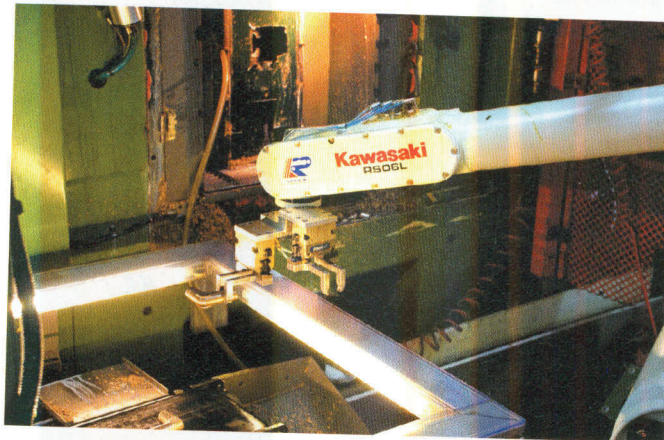
Tel: 01273 666990

TOUCH SCREEN

Netherlocks has launched its new Interlock System Information (ISI) Touch Screen key management device. As a standalone unit or integrated into a key cabinet or control panel, the ISI Touch Screen stores all relevant information about an interlock system in a digitised, centralised, user-friendly format that is easily accessible by any operator.

All relevant interlock keys are shown on screen – simply touching them will display detailed information about the key itself and the related system: system name, operating sequence logic, P&ID and Location. Additional buttons are present for on-screen instructions, general interlocking information and company-specific content.

Tel: +31 (0)172 471 339



ROBOTS GIVE FASTER CELL TOOL CHANGE TIMES

As part of a major investment by Norgren at its Lichfield manufacturing site, **Kawasaki Robotics** has replaced two aging robots with two Kawasaki RS06L robots. The new robots allow faster

cell tool change times and are able to work more comfortably within target cycle times.

Installed over 13 years ago, the original Kawasaki robots provided virtually continuous operation in the

automotive/truck air-brake fittings section. The new Kawasaki RS robots load and unload brass fittings to two rotary transfer machines, which have been moved to new bays in the plant. The cells are programmed to produce up to 100 variants of fitting in batches.

"The new robots are quicker – they work well within the machine cycle time and present the part to the machine before its cycle is finished," says Mark Clark, manufacturing engineer at Norgren. "In addition, the old robots had a shorter reach which meant they needed to be moved on a slide fixture away from the transfer machine to facilitate tool setup. This had a potential to introduce inaccuracies and effectively slowed down tool changes – this process isn't necessary now as the new Kawasaki RS06L has a longer reach. So we now have faster tool changes and zero risk of the robot being out of position."

Tel: 01925 713000

LIFE CALCULATED

Din Rail power supply manufacturer, **PULS UK**, has introduced data logging to its single-phase QS40 and three-phase QT40 1Kw units. The move will enable the company to establish life expectancy figures based on actual in-service conditions.

PULS uses semiconductor technology to collect data relating to operating temperature, input voltages and other vital information which can later be downloaded to calculate the life expectancy of the product.



PULS UK's MD Harry Moore said: "Being able to accurately establish life expectancy of a power supply will be a major benefit for

our customers, especially those with installations in difficult to reach or hazardous locations. Our new technology means we will be able to accurately predict how long our units are likely to last, so our customers can replace them before things become critical.

Timely maintenance is always cheaper than dealing with a breakdown!"

Tel: 0330 999 9988

MAGNETIC SENSORS

The MFT and MGT sensors from **ifm electronic** use GMR magnetic technology (the same as in a pc hard drive) to detect a magnetic target at long ranges. This development by ifm sees the sensor incorporated into a completely sealed all-round stainless steel housing in standard M12 (MFT) and M18 (MGT) sizes, and will be of particular interest to the food industry

Sensing typically 60 to 70mm (depending on the magnet used and how it is fitted), the ranges fit neatly between inductive sensors and photocells – in harsh environments. Full-metal magnetic sensors



designed for use in the food industry feature IP ratings of 68 and 69K, will operate in temperatures from 0 to 100°C.

Tel: 020 8213 0000



CLAMPING CHECK

Providing a way to check clamping forces in manufacturing processes, the Hainbuch **TESTit** clamping force gauge is available from **Leader Chuck Systems**. Capable of measuring clamping forces greater than 200kN, the TESTit is claimed to be the only device currently capable of measuring internal and external workholding systems, such as mandrels and manual/power jaw or collet chucks.

In operation, the new TESTit gauge is completely wireless with all the clamping force values transmitted via Bluetooth to a display device, such as a smart phone, desktop or tablet PC, or PDA with the appropriate software installed. Featuring automatic sensor recognition and a Li-ion rechargeable battery for 5+ hours of operating time, the TESTit clamping force gauge measures stationary or rotating holding forces both internally and externally.

Tel: 01827 700000



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