

## ERIKS awarded IECEx standard for hazardous area motor repair

ERIKS' ELECTRO-MECHANICAL WORKSHOP, BASED IN CHESTERFIELD, HAS SUCCESSFULLY BEEN AUDITED AND SUBSEQUENTLY ACHIEVED CERTIFICATION BY BASFEEFA TO THE IECEx STANDARD FOR THE OVERHAUL AND REPAIR OF ELECTRIC MOTORS USED IN POTENTIALLY EXPLOSIVE ATMOSPHERES. THE WORKSHOP IS ONLY THE THIRD MOTOR REPAIR FACILITY IN THE UK TO ACHIEVE THIS STATUS.

IEC 60079-19 certification requires repairers to establish and maintain procedures as well as employees' competence for the repair, overhaul and reclamation of certified electrical apparatus designed for use in potentially explosive atmospheres.

There have been legislative changes that have important implications for users of motors in ATEX-zoned environments. The first is that new zones have been defined – zones 20 to 22 – that cover environments where dust may be present in such concentrations as to constitute an explosion risk. This means that many more manufacturing processes, such as the milling of flour and the processing of paper, are now likely to fall within the scope of the ATEX 137 Directive 1999/92/EC guidance section 4.6 maintenance, which is defined as repair, servicing and inspection of Explosion equipment. Companies that are affected for the first time by the ATEX legislation are likely to need additional guidance and support.

The second change is that IEC 60079-19, the international standard that applies to the repair of electrical equipment for use in hazardous environments, has been updated. The new standard incorporates many changes, such as alterations in the recovery methods allowed for flame paths, and the verification of the recovery processes. Skill tests for the persons carrying out these

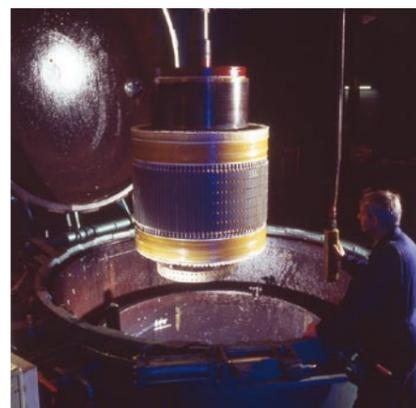
processes are also included for the first time. Probably the most significant change, however, is that the new standard places far more onus on end-users of repaired equipment to ensure that it is fit for purpose and that it meets all of the requirements of the relevant sections of the regulations. Users may subcontract EX repairs but they are still responsible for ensuring that EX equipment is safe to use and that the service centre is competent to repair Explosion Atmosphere Equipment. Indeed, the standard includes a section that deals exclusively with the competence of operatives and responsible persons who make decisions about the status of ATEX-certified equipment. It requires that these persons should be able to demonstrate their competency in making these decisions, and that they should be able to provide evidence of attaining the necessary knowledge and skills. In many cases, the responsible person will be someone working for the organisation that carries out the repair but, if this person cannot be shown to be competent, the legal responsibility for the consequences of any shortcomings falls directly back to the end user of the equipment.

End-users should have complete confidence in the work performed by the Chesterfield Service Centre as it is undertaken by employees that are regularly assessed by an internationally recognised and independent auditor.

## New TradCom software to be launched

A fully enhanced version of ERIKS' TradCom software, the web-based ordering and inventory management application, will soon be launched in the UK. The new version has a more intuitive user interface through which users can simplify their purchasing of indirect goods through the provision of a multi-commodity industrial products catalogue. The system allows users to create and manage their own accounts and to manage local inventory.

Using the new TradCom application users can organise and barcode their engineering stores and utilise the web-based stock management solution to streamline their purchasing functions. The management information available when using the software offers the advantages of being able to trace stock items all the way through the system preventing the potential threat of downtime and the costs associated with emergency purchasing.



## Protect your investment with regular cleaning

For every industrial and food-manufacturing organisation, equipment, machinery and fleet represent significant capital investment, so it is important to make sure they are cleaned and maintained on a regular basis. Not only does this ensure reliability but it also helps maintain high levels of quality in manufacturing and processing. KÄRCHER has launched its new HDC range of stationary high-pressure cleaning systems that offer the solution for any area of a business that requires frequent cleaning. Water is fed at high-pressure from the centralised HDC unit, passing through permanently installed pipe-work to each take-off point in the system. This means the performance and flexibility of mobile high-pressure cleaners can be employed wherever a take-off point is located, without the hassle of transportation and set-up.

The new HDC range consists of three versions; Classic, Standard and Advanced. Customer requirements can be met due to the variations available within the range and the vast assortment of accessories available. HDC Classic machines can supply up to three operators simultaneously with either 80 or 160-bar pressure, and with approximately 700 l/h per lance. The Standard models can supply up to 8 users for simultaneous use with 1000 l/h, and again with the option of 80 or 160-bar. Finally, Advanced machines can supply 12 operators simultaneously and boast the very best in pump innovation, controlling the flow of water via a frequency controller. All three versions give the option of additional take-off points where simultaneous operation is not required.

All HDC units are available in stainless steel, meeting the demands of the food industry. Similarly, all units can accommodate hot water supply up to 85°C when equipped with the optional integrated hot water pre-pressure pump.

## Tough inverter



The Fenner QuickDrive (QD) range of inverters is being expanded with the addition of an IP66 rated QD:E model. The IP66 unit is available from 0.37kW to 7.5kW (110-440V) and is specifically designed with a smooth crevice free shape to reduce the opportunities for the build-up of debris. The Fenner QD:E (E for Easy) selection of drives are competitively priced, with pre-set factory settings that

are suitable for most applications. The QD range is easy to install and commission yet rich in features and functionality. For more complex applications, the 14 basic parameters can be easily adjusted.

The QD:E units have an overload capacity of 150% for 60 seconds, and are supplied with an integral RFI filter. Repeat programming can be carried out simply with the aid of the new Fenner Q-stick, a memory stick that simply plugs into the front of the drive to allow the specific parameter settings to be uploaded quickly and efficiently.

These fully weatherproof drives are designed for harsh industrial environments with a front fascia that comes complete with speed control knob, forward/reverse selector, lockable isolator and full programming keypad and display. All Fenner QD drives from ERIKS are MODBUS compatible and can be converted to allow easy integration with Fieldbus and Ethernet connections via the RS485 port. The QD range is fully compliant with both the ROHS and EMC directives and is UL/CUL approved.

## Simrit and ERIKS formalise partnership



Dick Bird from Simrit and Chris Dixon from ERIKS

Simrit and ERIKS have formalised their partnership in the UK by signing an approved distributor agreement. Simrit supplies companies in all sectors with radial

shaft seals, O-rings, static seals, hydraulic and pneumatic systems, bellows, bespoke sealing products and vibration control technology. Simrit relies on the expertise of exclusive distributors worldwide and ERIKS UK, with the establishment of the Sealing Technology Centre in Dudley and with the historic expertise of the ERIKS Group in sealing technology offers users experience and technical expertise. Simrit products can be accessed via ERIKS UK's network of Service Centres.

The ERIKS Sealing Technology Centre in Dudley offers finite element analysis, seal testing and manufacturing to both the OEM and MRO markets. The technical expertise of the two companies is designed to seamlessly deliver cost savings to customers. The philosophy of both parties is that seals protect an investment and therefore they need to be considered as an integral part of the process.

## Easy pulley alignment

The newly launched Fenner Drive Alignment Laser can be installed in a few seconds and is the perfect tool for pulley and sprocket alignment. Applied magnetically the laser line that is projected on to the targets clearly indicates misalignment and how to adjust the machines. The tool has targets that can be read out 'visually' providing high degrees of accuracy that are sufficient for most users. The product is compact and light and suitable for most types of drive, such as V-belt, timing belt, flat belt and chain drives. When used alongside other Fenner tools such as pulley groove gauges and pulley tension gauges the efficiency of a drive system can be increased generating large energy savings.

## New website offers enhanced Drive Design Assistant



A new website with enhanced functionality and features has been launched. Perhaps the most exciting new feature of the website is the latest version of the Fenner Select online Drive Design Assistant which provides engineers with a structured and detailed approach to getting the very best from belt drives, from the design stage onwards. The Drive Design Assistant allows users to design a drive from first principles, make calculations of important parameters, experiment with drive dimensions and optimise the design on a number of different variables. The system is free and available live on-line at [www.fptgroup.com](http://www.fptgroup.com). There are also added benefits to users who register on the site enabling the storage of previous calculations for later reference (registration is free). The website also allows visitors to explore Fenner's complete range of power transmission products, find local distributors and request literature including the new design manual. Visit [www.fptgroup.com](http://www.fptgroup.com) for more information.