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Title: Customising Hazardous area equipment

Being able to source a standard EExe junction box or control unit is seen by many as a simple task with these items being available off the shelf. But what if you need extra terminals, an extra tapped hole or even a non standard cut-out, then the task becomes much more time consuming and of course requires an engineered solution. Now this too can be a simple task thanks to the services available from MGB Electrical. And don't worry if you don't know anything about EExe equipment; MGB Electrical will hold your hand through the ordering and specification process. Peter Dickson, Engineering Manager of MGB Electrical recognised the growing requirement for hazardous area equipment and the resulting need for EExe box customisation and invested in the Gillardon CNC 3 axis co-ordinated drilling and tapping machine. This is in addition to the 3 vertical machining centres already at MGB Electrical. Peter comments "we can be as flexible as you need us to be, within the constraints of the ATEX licence". When the Gillardon is used in conjunction with a Combi-tap a very accurate core diameter and thread forming is achieved. This also ensures accurate pitch control and squareness of thread. In addition to drilling and tapping, the machine has full 'G' code CNC control, enabling any cut out to be made anywhere on the box. Of course the EExe junction box customisation and assembly can only be carried out under licence by the EExe box manufacturer, these licenses have been granted to MGB by their respective partners Bartec and Crouse Hinds. Crouse Hind have developed a new EExe junction box called Ex-cell. The Ex-Cell range encompasses all the technical benefits of the existing and well-respected TB range but offers an enhanced and much more modern design as well as being extremely competitive. This box is ideal for many emerging markets for Hazardous Area markets, such as food, pharmaceutical, distillery and automotive applications. Exclusively available through MGB Electrical

Delivery time is often critical for such projects, so in order to meet the requirements of the customer MGB Electrical stock a comprehensive range of polyester and stainless steel junction boxes (Bartec and Crouse Hinds) together with a range of ATEX approved terminals (Weidmuller, Wieland) and glands (Capri, Raxton, Wiska & Hawke) at their premises, based in Tring Hertfordshire.

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With the in-house engineering resource and capability together with the available stock of enclosures, ATEX terminals and glands MGB can always provide the shortest lead time possible.

Additional Information

MGB Electrical is a privately owned company which prides itself on a friendly and knowledgeable approach to its customers. MGB operate in three specialist sectors; **Sourcing, distribution & supply of industrial electrical control products**; Where we work together with our suppliers and speak with one voice, with a product profile including; enclosures, isolators, terminals, contactors, relays, PLC's, circuit breakers, power supplies, transformers, trunking and DIN rail. **Engineering Services**; the company employs qualified electrical and mechanical engineers ensuring the engineering services division of the business is managed with a high level of expertise. We can offer machining of all types of enclosures also providing additional specialist services such as silk screen printing, EMC coating of enclosures, engraving to particular customer requirements. **Hazardous area equipment**; to meet the growing requirements for HAZARDOUS AREA equipment, MGB Electrical are now offering a range of 'ATEX approved' enclosures in Stainless Steel and Polyester together with 'ATEX approved accessories' such as glands and terminals. (Populated enclosures to precise customer requirements are also available with ATEX approval).

For further information

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