New crane remote controller

HBC-Radiomatic has introduced a new radio remote control transmitter for industrial cranes. Dubbed the Quadrix it offers new levels of safety and ruggedness. The controller includes eight two stage buttons, six of them are reserved for crane functions, one for 'crane on' ad one for a horn or lights on /off.

Power comes from a high-performance rechargeable NiMH exchangeable battery not susceptible to memory effect. When used between one and two constant hours a day it will last up to 20 days, before needing too be exchanged for a fully charged unit.

The extra safety features built into the transmitter were developed in partnership with TUEV Suedwest and include a newly locking STOP button which reliably stops all commands. The STOP switch is part of an innovative switch-on mode that is executed quickly and easily while preventing any unauthorised use of the transmitter.

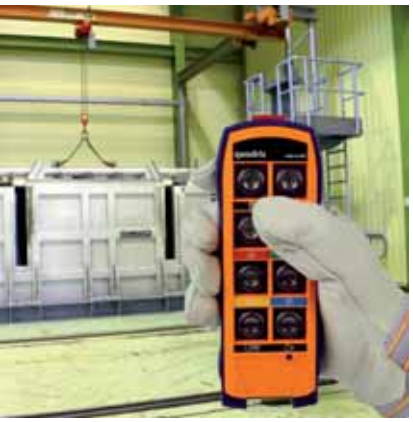
In addition, Quadrix is equipped with a hidden switch that allows the operator to easily change the transmitter's frequency. The unit also befits from Radiomatic-Adcon which is installed in the transmitter housing and contains all data necessary to operate the radio control system, plus various user-specific settings can be saved. In cases where the controller/ transmitter has failed and needs to be changed, the user can conveniently exchange a broken transmitter without losing any user defined settings.

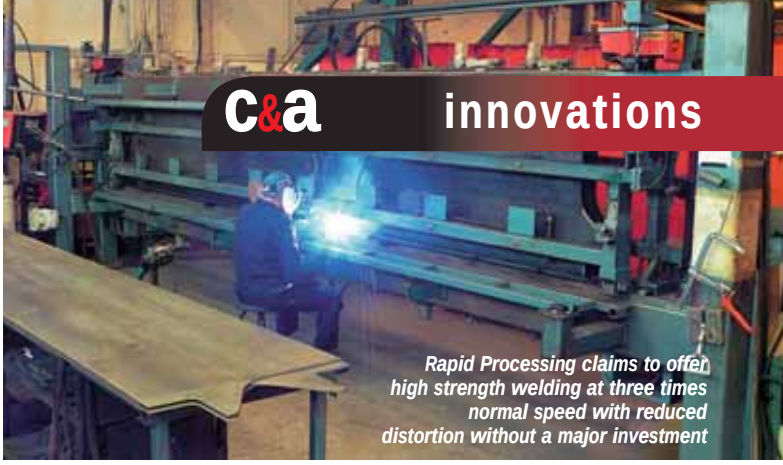
The push buttons on the Quadrix are all metal reinforced and are easy to handle with work gloves. A handy, ergonomically designed casing meets IP 65 while an integrated all-around rubber shock absorber protects it from damage.

The controller weighs only 330 grams (11.6 oz.) and includes a belt clip.

The compatibility optional features include Radiomatic's shock-off, roll-detect and zero-G, all of which allow a safe shut-down of the transmitter in specific emergency situations. A further option is AFS - Automatic Frequency Selection, to avoid frequency conflicts in areas with high radio density.

The new Quadrix transmitter HBC Radiomatic





Rapid Processing claims to offer high strength welding at three times normal speed with reduced distortion without a major investment

Triple speed welding of high strength steels

SSAB-Oxelösund and Aga-Linde have launched a new process for the welding of high strength steels known as Rapid Processing which can make use of existing MAG equipment and therefore does not require a major investment. Rapid Processing makes it possible to weld high-strength steel up to about three times faster than with a conventional MAG process. Welding technique trials using butt welded joints with Weldox 1100 high yield structural steel show that the process "exceeds the requirements for Weldox 1100 by a long way".

The process uses a lower heat input in comparison with conventional welding processes, leading to reduced deformation and less distortion for the entire construction, reducing the need for straightening after welding. SSAB is responsible for the material technology competence while AGA-Linde is responsible for the development of the process technology.

Loader crane manufacturer Hiab will be the first company to evaluate the process in production at its plant in Zaragoza, Spain, using Weldox 700 and 900 with plate thickness of 7 to 8mm. In this case, the type of welded joints will be butt welds within the structure of loader cranes. The goal for Hiab is principally to increase manufacturing speed, and secondly to achieve high static strength in the welded joints.

SSAB and Aga-Linde believe that the use of Rapid Processing can be extended to the welding of all grades of high strength structural steel including Weldox-wear plate.

Hiab will be the first manufacturer to trial Rapid Processing

New safety pin

Southco has launched a new Y-handled Lockwell push button quick release pin with a cupped recess to protect against accidental release. The flared end also provides a convenient grip point for removing the pin. The pins are a quick alternative to nuts and bolts, cotter pins, or lynch pins for locating, positioning or retaining objects in a variety of applications. The pins, which are available with diameters of 3/16 to 1 inch are designed to be vibration-resistant and manufactured to commercial grade, or aerospace/military standards. They are made to order so can be specified for the unique fit, strength, and performance requirements of the application. Material options include stainless and 4130 alloy steel.

The single-acting design of the pin allows for quick and convenient tool-free insertion or removal with a simple press on the pushbutton. Pressing the pushbutton allows the detent balls at the end of the pin to retract into the pin housing so that the pin may be inserted or removed from its mounting hole easily. When that pushbutton is released, a spring-loaded shaft within the pin forces the detent balls out, creating a positive locking action that retains the pin firmly in its mounted position. Users can choose between a two-ball design and the four-ball design for increased tension load capability.
Options include a variety of lanyards and storage sockets for use when the pin remains retracted.

The new Y handle quick release pin

enquiries

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