

# Higher pressure hot hoses

C&a

innovations

Eaton Hydraulics has re-engineered its range of Aeroquip MatchMate braided hydraulic hoses to provide significantly higher working pressures and temperature ratings along with superior abrasion resistance. Products include the GH663 suction hose range and the GH120, GH781, GH793 constant (4,000 psi) pressure hoses.

The hoses exceed all relevant SAE and EN standards and are said to offer an average 29 percent higher pressure rating than competitive hoses and a 127°C temperature rating with high abrasion-resistant cover technology, an important feature given that more than half of all hose failures can be attributed directly to cover abrasion.



## Niftylift innovates with local school

Niftylift, arguably the most innovative self propelled lift manufacturer of the past two years, is reaping benefits from its relationship with the technology department of a local school. As part of its work in the community, the company has been twinned with Denbigh School in Milton Keynes, providing four students each year with an opportunity to design and develop a live project brief.



The new ToolTidy concept features a range of trays and tops.

The programme has not only won numerous awards since it began, including the CREST Gold certificate and EXSCITEC Platinum award for each of the past four years, but has also produced a number of designs that have gone into production, including a new jockey wheel assembly and an engine tray trolley which simplifies the off-line assembly and module installation.

This year's project involved the development of a modular and portable ToolTidy for the platform. The students focussed on four market sectors: construction, painting and decorating, electrical installation and tree surgery and liaised with operators and rental

companies to tailor their designs to the real life needs of each market sector. The ToolTidy's base has a curved face to make it more ergonomic to carry with its attached shoulder strap, while also matching the contours of Nifty's new ToughCage. Once in the platform the ToolTidy can be floor mounted or clipped onto the mid rail hoop and vertical post. The base has a choice of trays and lids that are customised for specific trades to carry items such as drills, fuel cans and paint brushes depending on the identified requirements.



A display of the coursework shows the progress of the design from simple sketches to final design, alongside the many awards the programme has generated.

The item will go into production as part of the company's ongoing platform development. Nifty nominates a different project co-ordinator each year to work with and mentor the students during the year. Nifty says that it has been amazed at the innovative and original thinking that the students have brought to bear on the projects that have worked with and that it has benefitted from the exercise as well as the students.

The Tool Tidy can be carried with a shoulder strap and then clipped into various or multiple positions in the platform.

## Remote vibes

HBC-radiomatic has introduced a new version of its eco radio remote control system. The eco, HBC's smallest joystick controller, is popular for self-erecting tower and loader cranes. The new design features a vibration alarm which is intended to inform the operator of an approaching critical status on the machine as well as faults and potential hazards by causing a detectable vibration at the transmitter.



The new radiomatic eco features a vibration warning.

Examples include rising wind speeds or when approaching maximum capacity. The criteria can be set to suit customer requirements.

The eco is also available with the radiomatic shock-off/roll-detect/zero-g safety feature which deactivates the controller automatically in emergency situations, such as when an activated transmitter is dropped. This eliminates dangerous unintentional commands as the unit strikes the ground. The new radiomatic iLOG electronic key is also standard, enabling the rapid activation of a replacement transmitter. The operator simply removes the iLOG from the damaged/malfunctioning transmitter and inserts it into a replacement transmitter which is immediately ready for work.

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