

Edbro LAUNCHES "NEW C SERIES" RANGE

Edbro
SETTING THE INDUSTRY STANDARD

"The Edbro C Series hoists have always been lighter and stronger than comparable brands on the Australian market and now the new generation C Series, entering into production from mid 2009, moves the current product range even further ahead of the field, says BPW Transpec Edbro, product manager, Kerry Wood.

NEW

EDBRO has been leading the market with hydraulic product developments ever since 1916 when the company's founder, Maurice Edwards, developed the first hoist to be powered by a truck engine. Based on this long-standing tradition of cutting-edge innovation, the new C Series once again pushes the boundaries of tipping technology.

"The New C Series has been developed with the customer in mind. It has succeeded in removing weight while further increasing the cylinder strength to allow even faster tipping cycles for the operator," said Kerry.

These developments are only possible because Edbro continues to commit to capital investment in state-of-the-art manufacturing equipment such as laser welding, which is core to the process. Such capital investment within 2009 in the UK-based production plant, demonstrates Edbro's commitment to future development and growth. "Various design changes have taken place within the New C Series to improve its already renowned performance. High grade forgings within the base tube, combined with the use of laser welding techniques, provides optimum strength to increase lift capacity without adding additional weight. In fact, design modifications have taken weight out of the already lightweight current C Series product, increasing the operator payload capacity even further. Also new to the base tube, is the unique environmental plate, incorporated to prevent corrosion and damage occurring due to harsh external operating conditions," said Kerry.

Coupled with the new design features, the C Series retains many of the proven Edbro features such as the unique laser welded one piece

tube construction, which is key to its success. The design of the one piece tube, eliminates the need for clip rings and grooves and most importantly, provides ultimate reliability, even when used in fast and intensive tipping operations.

"The Edbro unique high performance two piece seal design, combined with new material technology provides increased seal life due to reduced friction in operation. The double-lip wiper seals, non-metallic wear rings and silicon bronze sliders all combine to further enhance the durability. With further increases in productivity benefits and proven "fit and forget" reliability the New C Series is the clear choice for long-lasting, market leading performance," says Kerry.

In the research department at the Edbro UK site, extensive testing is carried out on products both old and new to push industry standards ever higher. New cylinder designs are tipped continuously to more than 10,000 cycles to ensure that Edbro products are designed and manufactured to withstand the toughest operating conditions. Side load rig testing applies loads equivalent to those in the most severe applications to a fully extended, pressurised cylinder, guaranteeing that the Edbro cylinder remains stable and strong when you need it the most. "Research testing is used in combination with intense field testing to monitor the performance of Edbro equipment in the most arduous operating conditions, such as in Australia.

"With over 90 years of industry expertise behind them, Edbro products remain at the forefront of the tipping market, increasing payloads, reducing tipping times and providing "cost saving" solutions. With new projects in the pipeline, the future promises more great things in the months and years to come," said Kerry. ■



Increased base head thickness provides more than 50% greater side load resistance

New main seal materials and profiles further enhance sealing performance at low pressure whilst increasing seal life.

Proven C Series one piece tube technology with larger stop contact faces for fast, reliable operation

Optimum base tube design improves stiffness while reducing material stresses for maximum life and increased stability

Advanced material technology in the silicon bronze sliders reduces the risk of sliding damage and increases durability.

Removable base pad allows easy maintenance and protects from environmental damage even in the harshest working conditions.

