

Firmly focused on its rigid stranders

ASSOCIATED Engineers & Industrials Ltd (AEI) is one of the most experienced companies that specialises in the design and manufacture of rigid stranding machines, arguably the most important rotating machines in any power cable plant.

AEI stresses on continuous innovation, based on latest product requirements and customer feedback, as absolute essentials to keep its technology ahead of competition.

Eight out of ten MV and EHV cable manufacturers and large overhead conductor manufacturers in South Asia use the company's rigid stranders.

The company's recent development is a new generation high-speed ASRB/E rigid strander, an integration of top quality mechanical craftsmanship with new generation control systems.

The intelligent stranders incorporate



○ The new rigid strander from AEI

features such as electronic shaft synchronisation (including during power failure), individual wire break detectors, auto regulated pneumatic bobbin brakes, motorised pintles, remote diagnostics over telecom link and fully automatic floor/trolley loading devices.

AEI's use of perfectly balanced fork type cage rotor construction ensures superior energy efficiency whereas use of fully enclosed gearboxes

instead of belt systems ensures robust performance for years.

Based on customer requirements the machines are configured with suitable heads. Prespiral sector heads have been completely redesigned for higher precision Milliken conductor for up to 3,000mm² x 500kV EHV cables.

Likewise, a trapezoidal wire (TW) head has been developed for the manufacture of new generation pre-shaped wire conductor.

Mr L S Jain, managing director and chief designer, explains: 'With our single focus on rigid stranders, each aspect of the machine gets full, undivided attention.

"An otherwise considered simple sub-assembly like bobbin pintles is the result of thousands of hours of design developments."

Associated Engineers & Industrials Ltd – India
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