



VIEWPOINT



Keeping up with the Latest

All the new technologies, be it control drives, electrical or electronics - make a big impact. Gone are the days when Indians were satisfied with old technologies. The Indian industrial sector had to depend largely on imported gantry cranes from countries such as South Korea and Northern Ireland for undertaking large scale construction projects. However, with ElectroMech producing these cranes in the country, we have managed to capture a sizeable share of the domestic market.

Radio Remote Controls

The crane industry has not seen too many revolutionary changes in technology over the past few years; however, evolutionary changes have certainly happened. One of the technology trends that ElectroMech is establishing is the standardisation of Radio Remote Controls across all of our cranes. Radio remote controls offer a substantial increase in flexibility for the crane operator as well as allow safer operations as the operator needn't remain under the crane. In addition, the need for the festooning system along the crane girder is negated, allowing the cranes to remain lighter as well as neater.

Anti-sway systems

We are also providing sophisticated anti-sway systems in our cranes that ensure that cranes can work at high travel speeds without worrying about load swinging dangerously. This in turn helps the customers in significantly ramping up their productivity. An anti-sway system works on the principle of a pendulum, a load being handled by a crane acts like a pendulum, as the crane begins to move, the load begins to sway. The extent of this swaying depends on the length of the pendulum, or in the case of a crane, the length of the wire rope. Without corrective action, only friction will limit the extent of this and deaden this swaying. With no specific device to do this, controlling this swaying depends solely on the skill of the driver of the machine who manually applies a counter reaction to the movements of the load.

The anti-sway system offers several advantages, namely protection of the load



With the kind of projects that are coming up and the kind of manufacturing facilities being set up, ElectroMech is surely in tune with the global technologies, believes **Tushar Mehendale, Managing Director, ElectroMech.**



and the machinery and less maintenance, lower risk of accidents, lower operator fatigue, lower cycle times and indirectly lower energy costs.

Next-gen products

At ElectroMech, we are constantly upgrading our existing product range and working on bringing new solutions to the market to cater to our clients' requirements. We will be launching two new products in the coming financial year. ●



Optimal Utilisation of Resources

We have a strong commitment towards optimal utilisation of natural resources and reduction of carbon footprint with a view to create a sustainable business and assist in inclusive development of India. At our ElectroMech plant in Pirangut, our paint booth uses a down draft water recirculation technology to capture all paint fumes. The paint sludge that is formed in the water is separated and disposed off responsibly, while the water is passed through a filtration plant and used within the factory premises for gardening and sanitation.

We offer our cranes with inverter drives, which reduce power consumption. This allows our clients to also benefit from the reduced electricity bills while helping the environment. Needless to say, all the cranes in our shop floor are also fitted with similar technology.