PRODUCT DESCRIPTION

Designed primarily for the charging of up-holes by using a crane with telescopic boom and a 60m lance. By using state of the art technology and artificial intelligence, the arm makes use of an algorithm to identify drilled holes. This allows the arm to automate the alignment process which leads to reduced charging times and simplified operating.

The BLASTTRACK™ is used to control, monitor and report on charging operations and operator performance across the charging fleet in real-time through cloud reporting and mobile device notifications. The BLASTTRACK™ pump control system is designed for integration with a range of safety and performance sensors including iMining SMARTDENSITY™ meter, for monitoring loaded density in real-time.

For optimal safety, product consistency and machine availability in loading operations, SMARTFLOW™ positive displacement pump technologies are recommended throughout emulsion loading operations. SMARTFLOW™ pumps are designed as standalone explosive manufacturing units eliminating frictional heat build-up through the use of diaphragms to deliver both emulsion and sensitizer in pre-set ratios. Single pump and double pump charging units are available with integrated condition monitoring to facilitate preventative maintenance.

DESIGN FEATURES

- Transparency over charging fleet location & utilisation, product quality control, product consumption and individual operator performance
- Significantly improved safety through SMARTFLOW™ positive displacement diaphragm pump technology
- Low capital outlay
- Reduced complexity and down-time of charging unit

BENEFITS

- Automated charging operations
- Carrying capacity of 800kg to 3 tonnes.
- Two SMARTFLOW™ emulsion pumps for continuous up-hole pumping.
- Reduced maintenance requirements & machine down-time due to “plug and play” system
- Can be controlled from a HMI Device within 50m range.