PRODUCT DESCRIPTION

iMining offers a Shaft Sinking Pod designed specifically for charging optimisation. The shaft sinking pod carries 1.5 tonnes emulsion, by combining four SMARTFLOW™ emulsion pumps, it allows for a round to be charged within 60 minutes. Key technologies included in the range of charging units include the BLASTTRACK™ charging unit control technology that allows for explosive pumping mass setting and data capturing throughout the charging process. This data will be captured when the shaft sinking pod is removed from the shaft, and synced on surface, immediately sending a charging report to the blaster.

The SMARTFLOW™ emulsion pumps can be controlled through a handheld remote to the BLASTTRACK™ Controller. This allows for easy operating where communication is difficult. The shaft sinking pod has been designed on a plug and play basis, meaning should a breakdown occur, the part can simply be swapped within a few minutes to restart the charging process on that pump, resulting in one of the most efficient shaft sinking pods created.

By combining 17 sensors on the Shaft Sinking Pod, iMining enables the user to monitor every aspect of the charging operation from hydraulic temperature to explosive mass pumped per hole. Resulting in optimal safety, product consistency and machine availability in 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.

DESIGN FEATURES

- Transparency over charging fleet location & utilisation, product quality control, product consumption and individual operator performance
- Significantly improved safety through 17 sensors monitoring each charging process.
- Shaft round charge up time of less than 60 minutes
- Reduced complexity of charging unit

BENEFITS

- Carrying capacity of 1.5 tonnes.
- Four SMARTFLOW™ emulsion pumps systems for maximum productivity and speed
- Reduced maintenance requirements & machine down-time due to “plug and play” system
- Controlled from a handheld remote within 50m range.