



# SHAFT SINKING POD

PUMP  
SERIES



## SPEED, SAFETY & RELIABILITY

### PRODUCT DESCRIPTION

The iMining Shaft Sinking POD is designed to increase the speed and reliability of shaft sinking operations through the deployment of up to four concurrent SmartFLOW™ emulsion pumping systems at the same time. The emulsion capacity of the POD is customized to customer requirements and can be powered by air, electricity or hydropower.

Advanced technologies fitted to the iMining POD include the BLASTTRACK™ control system, monitoring and recording the quality of pumping operations throughout the charging process.



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
- Improved safety through pump performance monitoring across 32 sensors throughout the charging process.
- Shaft round charge up time of less than 60 minutes
- Simple operation with increased availability and reduced downtime for maintenance

### BENEFITS

- Carrying capacity up to 2,5 tons.
- Four SMARTFLOW™ emulsion pumps systems for maximum productivity and charging rate
- Reduced maintenance requirements & machine down-time due to “plug and play” systems
- Controlled via hand-held remotes from a range of 50 metres.