

# SMARTCHARGER™ PORTABLE PUMP

ELECTRONIC PORTABLE EMULSION PUMP FOR CHEMICALLY SENSITISED EMULSIONS

## PRODUCT DESCRIPTION

The SMARTCHARGER™ is an electronically controlled portable charging unit (PCU) designed to sensitize pumpable emulsion explosives for blasting in confined mining environments. The SMARTCHARGER™ represents the forefront of pumpable emulsion technologies allowing management control and transparency over loading operations, explosives use and operator efficiency in the underground environment and identifying your most efficient & least efficient crews for improvement.

The SMARTCHARGER™ is designed to be compact and light weight, utilising positive displacement technology to improve the safety of your pumping operations by eliminating heating build up and limiting maximum operating pressure. Charge mass per hole is set electronically on the pump controller and two emulsion tank configurations, 80kg and 150kg, are available to suite your specific blasting needs.



## DESIGN FEATURES

- Equipped with iMining's BLASTIT™ control system - the first electronic PCU providing transparency of information including operator ID, loading practices, flow rate, pressure and real-time failure analysis.
- Time stamp record of loading activities
- Robust, light weight and modular design bring the benefits of electronic charging units to narrow reef environment - available in 80kg and 150kg tank configuration
- Positive displacement pump technology significantly improves the safety of pumping operations

## BENEFITS

- Flexibility & transparency of electronic control capabilities now available in narrow reef operations
- Monitor blasting efficiency of individual crews
- Real time failure analysis to prevent bad blasts
- Pre-set mixing configurations for consistent pump performance
- Auto recording of loading mass per hole & per blast face for inventory and logistics management
- Low capital outlay
- Increased safety in explosives pumping operations

