

# THE EMULSION CHARGING UNIT (ECU)

## Product description

The Emulsion Charging Unit (ECU) is one of a range of mechanised charging systems developed for use with BME's Megapump emulsions formulations. The unit is fitted with two Mobile Pumps, allowing for maximum safety in charging operations and reduced down time. The ECU is ideal for large trackless operations where large quantities of explosive are required within each blast. A basket, raised working platform or robotic arm can be fitted to the rear of the charging unit to reach high ends or inaccessible rings.



## Features

- Double Mobile pump configuration
- Increased reliability and reduced down time
- Low maintenance costs
- Intrinsically safe pump operation in instances of:
  - Dry running
  - Dead heading
- High flow rate
- Short lead time for manufacture

## Design features

Emulsion tank capacity	3000 kg
Sensitizer tank capacity	100 Liters
Water tank capacity	200 Liters
Pumping rate	45 Kg/min
Drive system	Hydraulic
Max hose length	15 m (No hose lube) 30 m (With hose lube)
Compatible emulsions	Megapump Emulsions
Pre-set mass of emulsion/hole	
ICR – Intelligent control and reporting	

## Pump safety features

- Intrinsically safe pump technology
  - Safe in instances of dry running
  - Safe in instances of dead heading
- Pressure bursting disk
- Failsafe control system
- Charging lance flushing system