

# DynoMiner™ Advance

Technical  
Information



## Description

The DynoMiner Advance is an air powered system designed to load TITAN® 7000 gas sensitised bulk emulsion into development headings in an underground mine.

The unit consists of an air powered pump system for emulsion, water and trace chemicals. The control system is all air powered.

The unit incorporates a work platform on the top level where the control panel is located. Storage for boosters and detonators is provided. The unit is designed to be lifted by an IT.

Raw Materials carried in the bins are as follows:

- TITAN® 7000 Emulsion
- Water
- Gassing Chemicals

## Properties

### Products and Densities

The DynoMiner Advance system is designed to deliver Dyno Nobel's TITAN 7000 range of water resistant pumpable bulk emulsion explosives. Densities are optimally controlled from 0.8g/cc to 1.25g/cc

Products are pumped into the development heading using the air powered pump.

### Safety Systems

The inherent safety of the air powered system means no additional safety devices are required.

### Vehicle

The DynoMiner Advance system is designed to be picked up by an IT for access to the work area.

### Air Supply

The unit is connected to Mine Air.

Requirement is for at least 200CFM of dry air at 700kPa (100PSI) The unit is fitted with air filters.

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## Control Systems

A complete control system is provided in the work platform and contains all flow rate controls and indicators.

All controls are air powered for simplicity.

Stop/ Start control is available from a remote handset.



## History

The DynoMiner Advance has been developed over a number of years of product experience in both Australia and overseas. The current standard has been established as a benchmark design within Dyno Nobel's Global Operations.

The units are directly supported under DNAP's SAP based maintenance planning, scheduling and controlling systems.

## System Advantages

- Low capital cost
- Simple
- Ability load different densities of TITAN 7000 emulsion controllably - densities are available from 0.8g/cc to 1.2g/cc
- Two-man operation

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