

# Underground In-Seam Pumping Equipment

Jennchem's Underground In-Seam Pumping System is an electric over hydraulic, high output, high pressure grout batching and delivery system built specifically for use in underground coal mines. This system has a proven output capability of 15m<sup>3</sup> per hour at distances of over 5,000 m, making it a leader in its class.

## **2.4T Cement Dispenser (1,000v):**

- Patented design
- 2.4 Tonne capacity allowing for 2 x 1.2T bulk bags
- Accurate one touch batching delivered via a deductive weighing system
- QDS, fork and crane compatible

## **Batching Skid (1,000v):**

- 400L batching capability, batches completed within 1 minute
- 800L holding tank capacity, allowing for continuous pumping
- Both batching and holding tanks equipped with high shear mixers
- High speed transfer pump, transfers batch to holding tank in 15 seconds

## **Delivery Pump Skid (1,000v Electric over Hydraulic):**

- 2x High pressure plunger pumps
- Hydraulic flow controller
- Magnetic flowmeters to monitor volume ratio and total litres
- 1000 psi max outlet pressure

## **System Benefits:**

- Underground coal approved
- Push button operated
- Bulk bag capability, doing away with the labour intensity of manually handling 20kg bags
- Flexibility to pump single shot and 2-Part grouts allowing for pumpable crib, seal and backfilling operations
- Proven 5000 m+ pumping distance capability (5,100 m commissioning at Appin West Mine)
- Output of up to 15,000 litres per hour