

CONVEYOR | MIXING SYSTEM | STORAGE SILO  
**PASTE BACKFILL AND  
CONCRETE BATCH PLANT EQUIPMENT**



# PASTE BACKFILL and concrete batch plant equipment

At BMH Systems, understanding client need occupies every moment of our day. We can offer you a well seasoned team, experienced in the design, manufacturing and distribution of high quality equipment for mixing and handling paste backfill and concrete.

## WHAT WE CAN OFFER YOU

- Our commitment to the Mining Industry has provided us with an intimate understanding of the issues and the challenges of manufacturing operations, therefore offering you a reliable and sturdy system, sized to fit your needs.
- BMH Systems has worked with the largest engineering firms for many years to develop and refine reliable, high-performance solutions that will provide many years of service.



## OUR EXPERTISE

### MIXING SYSTEM

- Sturdiness and Output capacity
- The paste backfill and shotcrete mixing procedures are based on Twin-Shaft technology. Whether for batch or continuous production, BMH Systems brings the best equipment to the table, providing design and manufacturing to handle volumes of up to 14 m<sup>3</sup> per mixer unit.



## VIBRATING GOB HOPPER

- Compatible and sturdy
- These devices are intended for storage, agitation and distribution of concrete or slurry. The upper part of the bin is sealed off by means of articulated screens, two of which are specifically designed for mining processes. The hopper gate is actuated by means of an electromechanical system and the mixing devices are controlled by an electrical gear motor with splined output shaft. A safety device prevents the opening of the screens during rotation of the mixing device (Trapped Key System).

## MATERIAL HANDLING

- Solidity and power
- In each case, BMH determines the optimal feed configuration for aggregates or mining residues with the cement required for the manufacturing of paste backfill, according to the specifications of the equipment such as cement, silos, conveyor systems, meters and mixers, as per the drawings and the specifications.



## STORAGE

- Efficient system
- BMH Systems designs robust silos for continuous material flow, ensuring smooth delivery and appropriate dosage of cement and other materials needed for the manufacture of paste backfill.

## PROJECTS

- Xstrata, Timmins, Ontario, Paste Backfill Plant Diavik Diamond (Rio Tinto), Yellowknife, NT, Custom Conveyor and Paste Backfill Mixing System
- PT Freeport, Papua, Indonesia, Underground Concrete Batch Plant
- Barrick Gold Strike, Elko, Nevada, Paste Backfill Mixing System
- Xstrata, Matagami, Quebec, Equipment for Paste Backfill Mixing System

## DESIGNED FOR PERFORMANCE

- BMH Systems uses Twin-Shaft technology, with the shafts powered by NEMA certified motors. The sturdy design of the main mixing plant with abrasion-resistant lining results in performance that satisfies your highest expectations. This mixing system allows you to prepare batches of up to 14m<sup>3</sup>.





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