Ride DBT’s Productivity Wave at Bluefield Coal Show

At this year’s Bluefield Coal Show, DBT will present three key products for room & pillar productivity: the new 25M1B Continuous Miner optimized for productivity in low-mid- to mid-seam applications, the battery-powered Un-A-Hauler® 816C coal and mineral hauler, and the diesel-powered Un-A-Trac® 488D low- to mid-seam rubber-tired haulage and utility vehicle. These three very different products share one thing in common: They are all engineered by DBT to further boost productivity in R&P operations.

In addition to riding the productivity wave with DBT, visitors to the DBT booth will also have the opportunity to try “riding the wave” on a simulator.

The 25M1B Continuous Miner – an addition to the highly successful 25M series of Continuous Miners – provides even greater productivity in low-mid- to mid-seam applications (from 38” to 120”). Based on the 25M1, the 25M1B offers increased cutting head power (2 x 240 HP, continuous) and improved cutting head geometry. Weighing in at an increased 125,000 lbs, the machine has the weight-to-power ratio to operate in adverse cutting conditions while the overall height profile still allows operation in low-mid seams. Like other DBT Continuous Miners, the 25M1B is controlled by IRIS™ (Intelligent Response Integrated System™), DBT’s latest evolution in CM drive and machine control with flexible machine control and diagnostics communication. A variable-frequency tram drive system with 2 x 75 HP AC tram motors (continuous) will be available by mid 2008.

The Un-A-Hauler® 816C is a member of DBT’s family of high-capacity, highly reliable battery-powered coal and mineral haulers built to ensure high productivity: No trailing cables means flexibility and speed, allowing the operation of multiple haulers to minimize waiting time. An ergonomically designed control stick gives intuitive control of key functions. The Un-A-Hauler® 816 C features next-generation battery-powered electronic motor drive control called HiPAC 10. Developed by DBT to meet strict specifications for rigorous underground duty, HiPAC 10 revolutionizes drive technology by providing variable frequency and voltage to the motors powering the vehicle. DC motors are replaced by highly efficient, low-maintenance AC motors, helping miners haul more ore faster than ever before.

With fewer hydraulic components, the HiPAC-equipped vehicle requires less maintenance, while greater motor efficiency and optimization of drive components enhances battery life. The Un-A-Hauler® 816C offers superior payload capacity in various operating heights for maximum mine efficiency – achieving over 20 tons at mine sites – while terrain-compensating vertical articulation enhances maneuverability and versatility.

The operator’s display has been upgraded to show all operating parameters at a glance and to allow selection of data to be displayed – from distance traveled per battery charge to payload count. The display also speeds fault diagnosis, allowing rapid repairs and maximizing uptime.

The Un-A-Trac® 488D low- to mid-seam rubber-tired haulage and utility vehicle is powered by a 150 HP turbo-charged after-cooled engine which is mated to a heavy-duty four-speed, powershift transmission. The unit provides 16-ton lifting capacity and benefits from the commonality of components from the existing Un-A-Trac® and Un-A-Hauler® product lines. The 488D offers mine-duty performance and can be optioned for hauling heavy supplies and all-round utility work.

A unique new DBT proprietary axle provides capacities superior to any other axle currently available for use with 15” rims. The axle is specifically designed for underground mining applications with robust fabricated steel housings, low-profile differential housings and outboard SAHR brakes. DBT will continue to offer optional axles to insure seamless inclusion into operators’ existing fleets.