# MINExpo 2016: Wirtgen Group – reliable mining partner

Many years of experience in the field of mineral technologies have given the Wirtgen Group sophisticated and practicable technologies designed for use in the most extreme conditions. With the display of the Wirtgen Surface Miner 2500 SM and the mobile jaw crusher MOBICAT MC 110 Zi EVO from Kleemann, the Wirtgen Group is showcasing two innovative solutions of its range of products at this year's MINExpo in Las Vegas (Central Hall 8801).

Mining material deposits and processing mineral raw materials imposes high demands on man and machine. Powerful and durable equipment is essential. From mining to processing the material, the robust Wirtgen surface miners and crushing and screening plants from Kleemann offer high reliability and efficiency.

Wirtgen: Surface Miner 2500 SM

The 2500 SM surface miner is used for the selective mining of raw materials with unconfined compressive strengths of up to 80 MPa. Heavy-duty components such as the 8′ 2″ (2,500 mm) wide mechanically driven cutting drum, separately height-adjustable track units and the direct material loading system provide the efficient continuous operation. The 2500 SM offers three different operating modes: the cut material can be directly loaded into trucks via the miner’s conveyor system, discharged to the side of the machine by means of the slewing discharge conveyor, or deposited as a windrow between the machine’s track units. The surface miner cuts, crushes and loads rock in a single working pass. The economical and environmentally friendly process dispenses with the need for drilling and blasting, creating stable, precise cross-sections that allow immediate trafficking by trucks.

Kleemann: Mobile jaw crusher MOBICAT MC 110 Zi EVO

With a feed rate of up to 331 US t/h (330 t/h), the MC 110 Zi EVO is one of the most high-performing and efficient machines in its class. The generously sized feeding unit, the continuous feed system (CFS), as well as the level control in the crusher, guarantee optimal capacity utilisation without interruptions. The productivity is also increased by thorough primary screening. The independent double deck pre-screen filters out fines with oscillating movements. On the one hand, this protects the machine as it is less prone to wear, and, on the other hand, ensures a higher quality end product. Another advantage of the MC 110 Zi EVO is the diesel-direct electric drive, which boasts significantly lower fuel consumption than comparable jaw crushers.

Wirtgen Group Services: Expertise and best practice are essential

Availability of the machines is a crucial factor in this business, where the machines remain in operation up to 24 hours a day. In addition to the technology, Wirtgen Group also offers a comprehensive range of services. Amongst others an all-embracing concept for major projects that even includes financial support. Striving to provide customers with optimum support through individual made-to-measure solutions, the Wirtgen Group has positioned itself as the ideal mining partner.

Fotos:

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|  | B\_Wirtgen\_07808\_HI To maximize exploitation of the deposit,  Wirtgen Surface Miner cut and load valuable raw materials, such as lime stone, kimberlite, bauxite, iron ore, phosphate or oil shale, in a single operation, producing an even and easily trafficable surface in the process. |

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|  | mc110z The Kleemann MC 110 Zi EVO is not only one of the highest-performing, but also one of the most efficient plants in the field of the mobile 1100 jaw crushers. |

*Note: These photographs are only intended as a preview. For printing in publications, please use the photographs in 300 dpi resolution that we have attached with the e-mail/download. Alternatively, the photos can also be downloaded from the Wirtgen Group website.*

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