

SWEEPING & VAMPING

Mines operating in low-profile environments, such as ULP (Ultra Low Profile) and XLP (Extra Low Profile) mining layouts, one of the operational challenges occurs during blasting. A portion of the blasted ore is often thrown into the back area of the stope, where the material accumulates and typically remains there unless it is manually removed.

The compact dimensions of the XLPD, XLP H4, and the NRE Dozer allow them to maneuver easily between installed grout packs and support sticks, which are commonly used as part of the stope support system in narrow reef mining operations.

For the best results and efficiency, several different attachments are used during this operation. The machines use a blade and a bucket attachment for pushing or collecting a slightly larger build-up in the back area of a stope. But a specially designed sweeper attachment does the most efficient cleaning of residual material left in the production panel after blasting. With a high cleaning capacity of up to 100 m² per hour, the attachment can effectively remove remaining ore and fine material from the panel surface down to solid rock.

By enabling the removal of all remaining material from the panel, the XLPD Sweeper significantly improves cleaning efficiency and overall production performance. The attachment ensures that valuable ore is recovered and that the working area is properly prepared for the next mining cycle.

The machines have already been proven to be a valuable asset in numerous mining operations across South Africa, where narrow reef mining conditions are common.



Slika 1 XLP Sweeper