



DEBUT

CLS550P THE NEW SHEARER TO MINE "CLEANER" COAL

Corum Group company designed and produced the new-generation long-wall shearer CLS550P to mine "cleaner" coal in thin seams. Innovative technologies applied in the new equipment will reduce content of rocks (ash-content) of the "black diamonds" by 4–5%.

The new shearer is supposed to operate in thin coal seams 0.85 to 1.5 m thickness. CLS550P is a bridge-type shearer with a body designed as a box-shaped frame to place the feeding modules, hydraulic inserts and electric module with frequency converter. The installed on-board frequency converter to operate with chainless feeding system is a distinctive feature of this shearer. Such assembly system allows reducing coal cutting with enclosing rocks, so that means reducing the ash content in the coal produced.

"The CLS550P was equipped with a modern control system," – says Dmitry Pankov, the product-engineering manager



The video
about innovative
shearer CLS550P

at the Corum Group Engineering and Technical Centre. – It provides control over the load of main units and shearer speed autoregulation".

The control system regulates the shearer operate functions: automating the control, recording the operating parameters, communication between the shearer and



Coal mining on the new longwall 427 started in March and is going to be completed by the end of 2021.

other equipment in the face, data transmission to the roadway and/or to the surface, which minimizes the equipment downtime.

The machinery passes industrial tests on Pavlogradskaya mine (DTEK). The CLS550P is unified with the already operating in DTEK mines UKD200-500 and CLS450 shearers, at which there had also been applied the well-tried options in mechanic and electric units.

Competently



Anatoliy KOROLCHUK

Corum Group
Longwall Equipment Manager

The CLS550P shearer is able to mine up to 10 tonnes per minute with the coal cutting resistance up to 550 kN/m while operating in a very thin seam from 0.85 m. The shearer is fully automated and warrants the safety of miners.

Customer feedback



Aleksandr BEKESHKO

Director of Pavlogradskoye Mine
Administration

CLS550P is a breakthrough in mining equipment. We have high expectations to this shearer and we are glad to watch the development of our machine-building partner: Corum Group implement innovations into their products, so the result is the quality of Corum machinery and its efficiency equal or even higher than the European analogues.

