

THE CAT® ROCK STRAIGHT SYSTEM



Clear Advantages Over Drill and Blast

Designed for low, tabular seams of gold, platinum and copper – the Cat® Rock Straight System is a very economical alternative to drill and blast operations. Here are some of the key advantages to this new, continuous way of cutting and hauling hard rock deposits:

With the Rock Straight you would be:

- Replacing in seam production drilling
- Replacing in seam production blasting
- Reducing ventilation costs
- Reducing equipment maintenance, parts inventories, equipment costs
- Reducing labor costs during extraction of the seam (machine operators, drill and blast support personnel, machine maintenance staff)
- Working more efficiently with fewer people and equipment in harm's way

Here are additional benefits to the Rock Straight system:

- Rock Straight cutting heads can be configured to target the ore seam and minimize waste rock.
- Rock Straight can follow dips in the seam
- Rock Straight cuts a more homogenous sized material than drill/blast.



THE CAT® ROCK STRAIGHT SYSTEM



Sustainable Cutting Methodology

The most important feature of Rock Straight is its Activated Undercut Technology. Working with the rock's strata and using percussion as opposed to straight friction – this cutting technology is far more sustainable, it requires less energy, the cutting tips live longer and produce significantly less heat by capitalizing on the rock's inherent weaknesses.



Fully Automated Production

Rock Straight is fully automated and is primarily monitored by a single person located inside a remotely located, environmentally controlled cabin. This cabin is ROPS (Rollover Protection System) and FOPS (Falling Object Protection System) protected and is equipped with controls and monitors that track production and machine condition parameters.

Longwall Manufacturing, Design, Legacy and Training

Caterpillar's longwall mining products for coal are the standard in the industry for both automation technology and roof support design and durability. Rock Straight is designed from this knowledge base and built by the Luenen facility with a legacy of manufacturing excellence. At this same Luenen facility, Caterpillar has just opened a dedicated training facility for hard rock cutting – where potential customers and their teams can get training on fully functioning iron and the software that controls it.



BUILT FOR IT.™

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at mining.cat.com and cat.com.

AEHJ0181

© 2016 Caterpillar Inc. All Rights Reserved. CAT, CATERPILLAR, BUILT FOR IT, their respective logos, "Caterpillar Yellow," the "Power Edge" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

