



PROBLEM SOLVED™ PAPER

SOLUTION: Martin® O2 Cleaner

INDUSTRY: Mining

LOCATION: Kingston No. 2 Mine
Fayette County, West Virginia



Kingston No. 2 Mine in Fayette County, West Virginia relies on belt conveyors to move coal above and below ground.



The O2 Cleaner from Martin Engineering features tungsten carbide cleaning edges mounted in a patented adjustable blade holder that deflects to allow the passage of splices.



To clean its belt, this radial stacker at Kingston #2 Mine incorporates a series of O2 Cleaners.

Martin® O2 Cleaners are protected by U.S. Patent No. 6,929,112.

PROBLEM

Coal-carrying conveyors both above and below ground need to be cleaned to reduce operating problems and safety issues. But cleaning these belts can be difficult as the multiple mechanical splices on many belts will reduce cleaning efficiency and shorten blade life.

SOLUTION

Martin® O2 Cleaner

This cleaner features a blade holder that flexes away from the belt when the tungsten carbide cleaning tip feels the impact of a splice. Yet it maintains proper cleaning posture and efficiency.

RESULTS

The Martin® O2 Cleaner has really done the job at Kingston No. 2 Mine, says Danny Hellmandollar, superintendent.

“We’ve been using them for about three years now, and I’ve been able to cut back the amount of man-hours we need to clean up around the belts,” he says. “The mine inspectors are pleased with our belts.”