

As seen in:
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Black Rock Crushing Specifies Rulmecca Motorized Pulleys on all Lippmann Milwaukee 4800CC Plants

Lippmann Milwaukee 4800CC 2-piece plant, with vibrating screen, HSI crusher, and Rulmecca Motorized Pulleys on all conveyors. Note that compact 7.5 HP, 10 HP, 15 HP, and 20 HP Motorized Pulleys eliminate the need for extensive guarding, streamlining the plant's footprint and simplifying conveyor maintenance.

Photos courtesy of Rulmecca Corporation

by Mike Gawinski, President, Rulmecca Corporation

Black Rock Crushing of Ramseur, NC started in 2010 with one Lippmann Milwaukee 4800CC portable plant and has grown to a company with a staff of 34 people and six Lippmann Milwaukee plants. They process 2 million tons of recycled asphalt product (RAP) per year to serve the specialty contract crushing market in the Mid-Atlantic region.

Company founder, John Mason, said, "From the beginning, we decided to 'standardize and minimize' to keep things simple. We plan to keep adding a new plant to our fleet each year while enabling each of our operators to rapidly deploy any plant to any location within our service area quickly and be up and running in hours, not days."

Part of the simplification process has been for Lippmann Milwaukee to use Rulmecca Motorized Pulleys to drive all conveyor belts. Black Rock Crushing selected Lippmann Milwaukee 4800CC plants because they are specifically designed for the recycling industry. The plants' portability and adaptability allow Black Rock Crushing to run in both concrete and asphalt recycling. And the ability to add additional screening capacity to the standard plant configuration allows the plant to be used for high reduction asphalt applications.

During a normal work day, Black Rock Crushing processes 2,000 to 3,000 tons of RAP with their 4800CC 2 piece plants and 1,250 to 2,000 tons with their 4800CC 1 piece plants. Black Rock Crushing selected Rulmecca Motorized



Rulmecca Motorized Pulleys enclose all moving parts within a hermetically-sealed and oil-filled pulley shell, protecting parts from harsh environments such as RAP processing.

Pulleys as the conveyor drive of choice because reliable feed, recirculating, cross, and under screen conveyors are essential to maintaining product throughput. Plant production rates vary from 150 tph to 400 tph, depending on the type of product and the operating conditions.

Black Rock Crushing currently has 7.5 HP, 10 HP, 15 HP, and 20 HP Motorized Pulleys driving conveyors with belt widths of 20", 24", 36", and 48". Rulmeca Motorized Pulleys were specified because of the drive's small size and simplicity, the improved safety, and the elimination of exposed items such as motors, gearboxes, pillow blocks, couplings, and extensive guarding.

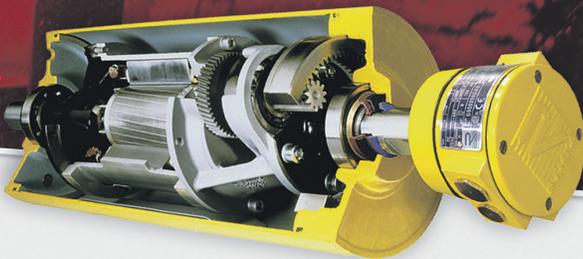
RAP regularly sticks to components and causes maintenance challenges, especially in the summer. RAP dust frequently plugs cooling fins and fouls cooling fans on exposed drive motors, causing motor burnout. Since Rulmeca Motorized Pulleys enclose all moving parts, including motors, within an oil-filled and hermetically-sealed pulley shell, they protect them from harsh operating environments.

Black Rock Crushing's experience with Rulmeca Motorized Pulleys is typical of operators who select the internally-powered conveyor drive instead of an exposed drive system because of their harsh operating conditions. Mason said, "When Rulmeca promised us the 'lowest total cost of ownership', they delivered. The company's continued growth plans are as they started... Add a Lippmann Milwaukee plant a year, throughout the Mid-Atlantic and beyond."

For more information on Rulmeca Motorized Pulleys, contact Mike Gawinski at 910-794-9294 or go to www.rulmecacorp.com. For more information on Lippmann Milwaukee portable plants, contact Kevin Kiesgen at 800-648-0486 or go to www.lippmann-milwaukee.com. For more information on Black Rock Crushing's contract crushing services, contact John Mason at 336-824-2377 or go to www.blackrockcrushing.com.

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