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Martin Engineering Offers Reversible Secondary Conveyor Belt Cleaners



Martin Engineering announced the availability of two rugged secondary conveyor belt cleaners, both engineered for fast and easy maintenance. The innovative design of the DT2S and DT2H reversible cleaners reduces system downtime and labor for cleanup or service, while helping to prolong the service life of other conveyor components.

Featuring a unique split-track blade cartridge that slides in and out on a stainless-steel mandrel, the cleaners can be serviced or replaced without stopping the belt when on-site safety approvals are in place.

“Even when the cleaner is encrusted with material,” said **Dave Mueller**, conveyor products manager for Martin Engineering, “one-half of the split frame can be removed so the cartridge can be changed in just five minutes. This allows users to have a spare cartridge on hand and quickly change it out when the blades need replacement. Then they can take the used cartridge back to the

shop, clean it up and change the blades so it’s ready for the next service.”

These secondary cleaners serve a wide variety of applications, ranging from mining, material processing and quarrying to cement production, food processing and other bulk material handling operations. Both products significantly reduce material carryback, and they’re engineered to accommodate reversing conveyors to avoid damage to the belt or splicing. With steel blades and tungsten carbide tips set into a flexible base, the DT2 cleaners offer simple, effective solutions that can solve a number of carryback-related problems.

Martin DT2H Reversing Cleaner XHD

Designed for particularly demanding conditions, the DT2H Reversing Cleaner XHD is suited for heavy material loads on belts ranging from 18 to 96 in. (400 to 2400 mm) wide that operate at speeds up to 1200 fpm (6.1 m/sec). Carryback accumulations

along the return run of the conveyor can occur when the cleaning systems on a conveyor fail to remove most of the material that adheres to the belt after unloading its cargo. Increased buildup results in unnecessary labor costs for cleanup and can lead to premature failure of conveyor components if left unchecked.

“Carryback can have an extremely sticky texture and abrasive nature, which can muck up conveyor components and contribute to premature failure,” Mueller explained. “One key to the success of these cleaners is the blade’s negative rake angle (less than 90 degrees). With a negative angle, you get a ‘scraping’ action that mitigates potential belt damage, while delivering outstanding cleaning performance,” he said.

Martin DT2S Reversing Cleaner

Like its larger counterpart, the Martin DT2S reversing cleaner can be installed on belts ranging from 18 to 96 in. (400 to 4800 mm) wide. But unlike the DT2H, the DT2S is designed for a lower maximum belt speed of 900 fpm (4.6 m/sec) on belts with vulcanized splices. Mueller pointed out that this is primarily due to the difference in applications: “The DT2S has a slim frame that allows it to fit in spaces as narrow as 7 in. (178 mm). As a result, the DT2S can be attached to belts that may be too small for primary cleaners.”

Both of the DT2 cleaners can be used in medium to heavy duty environments, providing a lasting solution to a diverse array of complex problems that are caused by carryback and minimizing fugitive material.

Martin Engineering,
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