



Remanufactured belt filter by TriStar LTD. Completely rebuilt including sand-blasted & galvanized frame, resurfaced rollers, new bearings, new steering controls, and conversion from pneumatic to hydraulic control.

TriStar Ltd will rebuild your existing Belt Filter to like-new condition or remanufacture a used unit to your specifications. We have 18 years of experience in remanufacturing with dozens of installations world-wide.

Benefits of Remanufacturing

Significant Cost Savings – A remanufactured Belt Filter from TriStar is typically 60% to 70% the cost of a new unit. Rebuilds can sometimes be purchased with maintenance budget dollars. Reusing major components such as the frame, rollers, and drives saves on delivery time and materials costs.



Well-used belt filter ready to be brought back to life by TriStar

Short Delivery Times – Typical delivery for a TriStar remanufactured belt filter is 8-12 weeks.

Upgrades – TriStar can improve upon the OEM design by upgrading components such as the steering mechanisms and controls. We can convert pneumatically controlled filters to hydraulic control. Carbon steel frames can be cleaned, painted, or galvanized. Manual controls can be replaced with PLC's.

Remanufacturing Process



Disassembly and Inspection - The belt filter is completely disassembled. All components are inspected and tagged for replacement or repair.

Frame Repair - The frame is reconditioned. Carbon steel frames are sand blasted and either galvanized or painted. Stainless steel frames are sandblasted. New pieces are fabricated as needed to replace damaged parts.



Roller Reconditioning - The rollers are removed and stripped. Rubber rollers are re-vulcanized and machined. Perforated drums are either repaired or replaced. Bearings are replaced.



Steering Boxes - The steering mechanisms are completely refurbished with new or remanufactured parts. Pneumatic steering actuators are replaced. Control lines are re-run in poly or stainless tubing.



Control Systems - An optional upgrade is to convert pneumatic control lines to hydraulic. A reservoir and pump is added. New lines are run and the cylinders are upgraded.

Remanufacturing Process



New control panel replaces obsolete controls.

Control Panels and Wiring - TriStar makes our own panels to replace damaged or obsolete OEM panels.

Automation - Manual panels can be replaced with modern touch-screen PLC's. Panels can be equipped with communications hardware for remote support.

Hardware - All hardware including fasteners are replaced with new stainless steel parts. All rubber and soft seal parts are replaced.



Remanufactured three-belt design belt filter with new TriStar belt. Frame was completely stripped, treated, and electrostatically painted.



Fully restored belt press for municipal sludge dewatering features newly painted frame, new TriStar belt, and all new controls.



Remanufactured vacuum belt filter with all new components and a special, epoxy coated frame.

TriStar Filter Belts

TriStar offers a complete line of filter belts for all makes of belt filters. A wide range of fabrics including woven in both mono and multi filaments, non-woven/felted, and spiral-weave. Zippered closures are the most common closure method.

Heat-sealed or sewn edges are available. We offer chemical treatment and cloth selection services for difficult applications. We can provide cloth samples for testing on-site.

Lab Testing, Parts and Service

Lab Testing – TriStar operates its own lab for testing filter applications and sizing filters.

Parts and Service – We provide most belt filter parts including bearings, belts, steering differential valves, pneumatic steering actuators, rubber & plastic seals, and rubber drive rollers (recoated). On-site service by a factory technician is available.



Rebuilt plow section and TriStar Filter Belt

locally represented by:



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