Salem Air Strain Bandmill Eliminates Pivot Friction

Salem Equipment, Inc. has introduced a bandmill with an innovative air bag strain system that reportedly eliminates friction at the pivot points to provide quick response.

Current air strain systems use small air cylinders that gain mechanical advantage with levers. In these systems, the air cylinder often carries only one third of the strain. The pivot point of the lever carries the remaining two-thirds, and this strain creates undesired friction at the pivot point, the manufacturer reports.

By cushioning the bandsaw with large, ruggedly constructed Firestone air bags, Salem's strain system eliminates this friction. The highly resilient air bags support the saw and remove the need for levers. Freed from strain forces, the pivot points must only maintain wheel alignment. As a result, the system responds more quickly and better protects the saw blade from outside vibration.

The heavy duty air bags are constructed for long life in a sawmill environment. They adjust better to changes in alignment than air cylinders, and their size puts pressure needs within the range of most sawmill air systems.

The high strain capacity of this new Salem bandmill suits it for precision sawing. Cartridge style guides are easy to maintain, and the dynamically balanced, ductile iron wheels assure smooth operation.

Contact Salem Equipment, Inc., Box 1030 Sherwood, Oregon 97140 / 503-581-8411.