

Soft starter benefits for Sawmill Applications

BENEFIT	FEATURE	Bandsaw	Blower / Fan	Chipper	Circular Saw	Conveyor	Debarker	Edger	Planer	Shredder	Slabber
Protect equipment	Prevent damage due to reverse operation	Phase sequence	■	■	□	□	□	□	□		□
	Prevent damage from jammed loads	Instantaneous overcurrent	■		■	■	■	■		■	■
	Prevent saw band stretch	Gentle acceleration	■								
	Prevent blade misalignment at start	Gentle acceleration	■					■			
Maximize productivity	Safely use full motor capacity without nuisance tripping	Motor thermal model		□		□	□				
	Maximize operation during periods of high loading	Motor thermal model	■		■	■		■	■	■	■
	Expedite replacement of saw bands and chipper cutting heads	Soft braking / DC brake	■		■			■			
	Assist alignment of newly fitted saw bands and blades	Jog	■								
	Start when unloaded and loaded	Current ramp					■				
	Complete critical processes	PowerThrough	□	□	□	□	■	□	□	□	□
	Control infeed conveyor speed based on motor loading	Analog output	■		■		■	■	■	■	■
Smoother operation	Minimize stress on electrical supply	Reduced start current	■	■	■	■	■	■	■	■	■
	Reduce mechanical stress during start	Gentle acceleration	■	■	■	■	■	■	■	■	■
Intelligent control of the whole system	Interface with metal detection equipment	Auxiliary trip	■		■	■	■	■	■	■	■

■ Very significant benefit ■ Significant benefit □ Useful