

Soft starter benefits for SAWMILLING 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		■					■			
Maximise productivity	Safely use full motor capacity without nuisance tripping	Motor thermal model		□		□	□				
	Maximise operation during periods of high loading		■	■	■	■	■	■	■	■	■
	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					■				
Smoother operation	Complete critical processes	PowerThrough	□	□	□	□	■	□	□	□	□
	Control infeed conveyor speed based on motor loading	Analog output	■	■	■	■	■	■	■	■	■
	Minimise 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	■		■	■	■	■	■	■	■