

TECHNOLOGY COMPARISON – CONVEYOR BELT CLEANERS

CRITERION	48” WIDE BELT WIPE	48” WIDE BELT SCRAPER	48” WIDE ROTARY BRUSH
Field-Tested Cleaning Effectiveness	92% & better	25%	60%
Available with ATEX™ Certified Groundable/Bondable Urethane for Combustible Dust	Yes	Some	No
Power Requirement	None	None	Yes, electric motor and automatic motor starter
High Maintenance Rotating Components	None	None	Yes, electric motor, gear drive and bearings
Installation Effort (downtime)	Typically ½ day for two millwrights	Typically ½ day for two millwrights	Multi-day & multiple trades
Drop-in Replacement for Air Knives	Yes	No	No
Dust Collection Aspiration Requirements	782 CFM / 369 L/s	Unhoused & the particulate is dispersed widely	3,000 CFM / 1,416 L/s
Automation Requirements and Cost	None (\$0)	None (\$0)	Yes (\$\$)
Can be Utilized with Mechanical Belt Splices	Yes	No	Yes
Longevity of Cleaning Elements	Best	Poor	Poor
Customizable for Low Height Applications	Infinitely Customizable	-	-
Available in Configurations for Abrasives, Food, Combustible Dust	Infinite Configurable Options	Yes	No

Eliminates Belt Turnovers	Yes	No	No
Available for Cleated Belt & Smooth Belt	Yes	No	Yes
Resolves Pulley and Idler Buildup and Ovalization & Belt Tracking Issues	Yes	No	No
Recovers Fugitive Dust and Converts Dust to Revenue	Best	None	Some
Reduces Airborne Contaminants	Yes	Minimal	Some
Reduces Cleanup Cost/Frequency Attributable to Conveyor Belt Dust Dispersion	Yes, reduces manual cleanup frequency by 8x ~25x (or 1/8 to 1/25)	Some Reduction in cleanup frequency	Somewhat better than belt scrapers