

## 40-Point Comparison Chart between Conveyor Tension Take-Up Systems

	EGT-2420 For/Rev	EGT-24FX For/Rev	EGT-28AX +VFD	PLC For/Rev	Gravity Tower
Forward/Reverse Control	●	●	●	●	N/A
Variable Speed Control	●	●	●	●	N/A
Safe Operating Zones	●	●	●	●	●
Unlimited Winch Size & Speed	●	●	●	●	N/A
Encoder Feedback	●	●	●	●	N/A
PID Control of Tension	●	●	●	●	N/A
Motor Thermistor Input	●	●	●	●	N/A
Tension Transducer 4-20mA	●	●	●	●	N/A
Tension Transducer Integrity	●	●	●	●	N/A
Intrinsically Safe	●	●	●	●	N/A
Optimal Tension Control	●	●	●	●	●
Multiple Control Levels	●	●	●	●	●
Display of Trolley Wheel Friction	●	●	●	●	●
Display of Rope/Sheave Friction	●	●	●	●	●
Display of Brake Efficiency	●	●	●	●	N/A
Zero Brake Wear	●	●	●	●	N/A
VFD Control Signal	●	●	●	●	N/A
Active damping of Transients	●	●	●	●	●
Winch Motor Current Input	●	●	●	●	N/A
Winch Brake Current Input	●	●	●	●	N/A
Event Data Logging	●	●	●	●	N/A
Parameter Change logging	●	●	●	●	N/A
USB Download Port	●	●	●	●	N/A
Dedicated Comms. Port for VFD	●	●	●	●	N/A
Comms. Port to Central Control	●	●	●	N/A	N/A
5-Level Dead Band	●	●	●	●	N/A
Real Time Clock	●	●	●	●	N/A
Trolley Limit Inputs	●	●	●	●	●
Digital Display of Tension	●	●	●	●	●
Graphic Display of Tension	●	●	●	●	●
Display Stored Energy Conveyor	●	●	●	●	●
Correlation of Winch Load with Tension	●	●	●	●	●
Display of Take-Up Trolley Position	●	●	●	●	N/A
Software Overhead	●	●	●	●	N/A
Mechanical Simplicity	●	●	●	●	●
Ease of Service	●	●	●	●	●
Conveyor Time Constant Measurement	●	●	●	●	●
Parameter Setup Wizard	●	●	●	●	●
Conveyor Acceleration Rate Control	●	●	●	●	●
Belt Speed Control Output	●	●	●	●	N/A
Belt Stopping Behaviour	●	●	●	●	●
Basic Dynamic Behaviour	●	●	●	●	●
Commissioning Time	●	●	●	●	N/A
Software User-Accessibility	●	●	●	●	N/A
Parameter User-Accessibility	●	●	●	●	N/A

Very Good ●

Good ●

Average ●

Poor ●

Very Poor ●