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	STANDARD: **OSHA 29 CFR 1910.212 / ASME B20.1**	AUDIT FREQUENCY: **Weekly / Pre-Shift**

Conveyor Belt Maintenance Compliance Checklist

Operational Scope: This operational compliance checklist covers all powered conveyor systems within warehousing and fulfillment facilities to mitigate nip-point hazards and catastrophic mechanical failures. Execution of this audit is mandatory prior to releasing equipment back to operational service following maintenance interventions.

MANDATORY PPE:	Hard Hat (ANSI Z89.1), Steel-Toe Boots (ASTM F2413), High-Visibility Vest (ANSI/ISEA 107), Safety Glasses (ANSI Z87.1), Cut-Resistant Gloves (ANSI Level 4)
PREREQUISITES:	Zero-energy state verified and Lockout/Tagout (LOTO) locks applied per OSHA 1910.147 | Surrounding pedestrian traffic cleared and exclusion zone caution tape deployed

MECHANICAL GUARDS AND SAFETY INTERLOCKS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Drive and Tail Pulley Guards**	All mesh and solid guards are securely bolted in place with zero gaps allowing finger access to rotating shafts or nip points.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
2	**Emergency Stop (E-Stop) Pull Cords & Push Buttons**	Activating any zone E-stop instantly cuts power to the drive motor and engages mechanical brakes across the entire line.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
3	**Warning Decals and Pinch Point Signage**	ANSI-compliant high-visibility hazard labels are fully legible at all transfer points, drives, and take-up pulleys.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**

BELT INTEGRITY AND STRUCTURAL ALIGNMENT

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
4	**Conveyor Belt Surface and Splices**	No excessive fraying, deep gouges exposing carcass plies, or degraded mechanical lacing/splices along the active run.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
5	**Tracking and Alignment Rollers**	Belt tracks within the center 80% of idler rollers without rubbing against structural side frames or causing edge fraying.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
6	**Idler Rollers and Bearings**	All rollers spin freely without squealing, locking up, or exhibiting excessive bearing play; no material buildup on rolls.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**

DRIVE SYSTEM, POWER TRANSMISSION, AND HOUSEKEEPING

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
7	**Gearbox and Drive Motor**	Motor housing operating temperature is within normal limits; zero oil leaks observed from gear reducer seals or breathers.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
8	**Under-Belt Debris and Spill Accumulation**	Area beneath conveyor bed and return run is completely clear of combustible cardboard dust, plastic strapping, and fallen debris.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**

Certified Inspector / Lead Maintenance Technician Signature: _____	**Date / Time:** _____	**Badge / Cert #:** _____
Site Safety Supervisor / Operations Manager Sign-off: _____	**Review Date:** _____	**Audit Status:** [ ] Approved [ ] Rectify

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