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	STANDARD: **OSHA 29 CFR 1910.212 & ISO 45001:2018**	AUDIT FREQUENCY: **Monthly Audit**

Preventative Maintenance Schedule Compliance Checklist

Operational Scope: This checklist dictates the verification parameters for industrial machinery preventative maintenance tracking to mitigate catastrophic mechanical failure and electrical hazards. Compliance is mandatory for all production lines to satisfy regulatory safety audits and ensure safe facility operations.

MANDATORY PPE:	Hard Hat (ANSI Z89.1), Steel-Toe Boots (ASTM F2413), Safety Glasses (ANSI Z87.1), Cut-Resistant Work Gloves, High-Visibility Vest
PREREQUISITES:	Zero-energy state established and Lockout/Tagout (LOTO) verified per OSHA 1910.147 | Area cleared of non-essential personnel and barricaded with warning signage | Calibration certificates verified for all diagnostic test equipment

MECHANICAL INTEGRITY & GUARDING INSPECTION

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Drive Belts and Pulleys**	Inspect belts for fraying, cracking, and proper tension (deflection not exceeding 1/2 inch under thumb pressure); pulleys aligned without lateral wobble.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
2	**Machine Safety Guards & Interlocks**	All fixed and interlocking guards securely bolted in place; limit switches and safety interlock circuits trigger immediate emergency stop upon opening.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
3	**Bearings and Lubrication Reservoirs**	Check for abnormal operating temperature via infrared thermography, unusual acoustic vibration, and verify automatic lube lines are pressurized and unblocked.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
4	**Pneumatic & Hydraulic Lines**	Examine hoses, fittings, and cylinders for fluid leaks, bulging, chafing against structural frames, or pressure drops exceeding standard operating tolerances.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**

ELECTRICAL CONTROLS & SAFETY SYSTEMS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
5	**Control Panel Enclosures**	Enclosure doors fully latched, external gaskets intact, internal cooling fans operational, and no accumulation of dust or moisture within NEMA-rated housing.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**
6	**Emergency Stop (E-Stop) Pushbuttons**	Mushroom-head actuators function smoothly without binding; activating each E-stop instantly severs power to primary drive motors across all zones.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
7	**Grounding and Bonding Continuity**	Verify frame ground resistance measures less than 0.1 ohms to main facility earth ground busbar using a calibrated low-resistance ohmmeter.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**

DOCUMENTATION & SCHEDULE ADHERENCE

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
8	**Maintenance Logbook Sign-off**	Previous cycle work orders, part replacement records, and technician signatures are fully logged into the Computerized Maintenance Management System (CMMS).	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**
9	**Calibration Status Tags**	All pressure gauges, temperature sensors, and digital load cells display current calibration stickers valid through the active operating quarter.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**

Certified Maintenance Technician / Lead Auditor Signature: _____	**Date / Time:** _____	**Badge / Cert #:** _____
Plant Operations Manager / EHS Director Sign-off: _____	**Review Date:** _____	**Audit Status:** [ ] Approved [ ] Rectify

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