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

Preventative Maintenance Schedule Inspection Checklist

Operational Scope: This preventative maintenance inspection checklist ensures all heavy industrial machinery and mechanical assets undergo rigorous evaluation to mitigate catastrophic equipment failure and mechanical release hazards. Compliance with this operational schedule is mandatory for satisfying OSHA and ISO 45001 safety mandates.

MANDATORY PPE:	Hard Hat (ANSI Z89.1), Steel-Toe Boots (ASTM F2413), Safety Glasses (ANSI Z87.1), Cut-Resistant Gloves, High-Visibility Vest
PREREQUISITES:	Complete Lockout/Tagout (LOTO) protocol per facility energy control procedures. | Verify machinery surfaces have cooled to ambient temperature. | Ensure inspection area is clear of unauthorized personnel and slip hazards.

MECHANICAL & STRUCTURAL INTEGRITY

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Drive Belts and Pulleys**	Inspect for fraying, cracking, or improper tension (maximum deflection 0.5 inches under thumb pressure).	Warning	[ ] PASS [ ] FAIL [ ] N/A
2	**Machine Guarding & Interlocks**	Verify all fixed and movable guards are securely bolted in place; emergency stop interlocks trip instantly when opened.	Critical (Immediate Out of Service)	[ ] PASS [ ] FAIL [ ] N/A
3	**Anchor Bolts and Structural Frames**	Check base anchor bolts for signs of shear, rust, or loosening under operational vibration.	Critical (Immediate Out of Service)	[ ] PASS [ ] FAIL [ ] N/A
4	**Bearings and Lubrication Points**	Check for excessive thermal output, abnormal acoustic vibration, and verify adequate grease purge at fittings.	Standard	[ ] PASS [ ] FAIL [ ] N/A

HYDRAULIC, PNEUMATIC & ELECTRICAL SYSTEMS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
5	**Hydraulic Hoses and Fittings**	Inspect lines for weeping, blistering, external abrasion, or fluid leakage under operating pressure.	Critical (Immediate Out of Service)	[ ] PASS [ ] FAIL [ ] N/A
6	**Pneumatic FRL Units**	Drain moisture traps, verify correct line pressure per manufacturer spec, and check oil level in lubricator.	Standard	[ ] PASS [ ] FAIL [ ] N/A
7	**Electrical Control Enclosure**	Inspect panel door gaskets for integrity, verify internal components are free of dust buildup, and check for arc tracking.	Warning	[ ] PASS [ ] FAIL [ ] N/A
8	**Grounding and Bonding Wires**	Ensure all grounding straps and leads are securely fastened without corrosion or fraying.	Critical (Immediate Out of Service)	[ ] PASS [ ] FAIL [ ] N/A

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

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