



TURRET PUNCH PRESS PREVENTIVE MAINTENANCE PROGRAM

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Structured inspections, measurable condition tracking, machine-specific addendums, and prioritized follow-up for AMADA, Murata/Muratec, Strippit/LVD, Wiedemann, and similar turret punch presses.

Reduce unplanned downtime

Identify wear, pressure loss, alignment changes, electrical deterioration, and developing failures before they stop production.

Create a permanent machine baseline

Track pressures, temperatures, backlash, runout, battery condition, filter dates, operating hours, and alignment values over time.

Turn findings into action

Provide photographs, prioritized recommendations, parts requirements, and a separate repair quotation workflow after the PM visit.

Service coverage: United States, Mexico, and Canada

Programs are quoted according to machine configuration, service level, travel requirements, and requested testing.



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THREE LEVELS OF PREVENTIVE MAINTENANCE

Choose the level that matches the machine condition, production demands, and required measurements.

1

Basic Inspection PM

A focused condition inspection and functional review intended to identify visible or developing service concerns.

Includes: Operator and maintenance interview; safety-device functional observations; pneumatic, lubrication, hydraulic, mechanical, electrical, turret, axis, and table inspection; pressure and fluid checks; cabinet and filter cleaning as applicable; representative production test; written findings and recommendations.

Best suited for: Machines receiving frequent internal maintenance, lower-utilization equipment, or customers seeking an annual professional condition review.

2

Standard PM

A more detailed service that adds control backups, mechanical measurements, and performance verification.

Includes: Everything in the Basic Inspection PM, plus CNC/PLC/PMC backup where supported; control and servo battery review; axis backlash checks; turret and auto-index inspection; punch zero and squareness checks; measured pressure and temperature reporting; photo documentation; baseline comparison when available.

Best suited for: Most production turret punch presses and customers seeking a documented annual or semiannual PM program.

3

Comprehensive PM and Alignment

A full condition assessment with detailed alignment and positioning work for critical or high-use machines.

Includes: Everything in the Standard PM, plus machine leveling; turret runout and deflection measurements; upper-to-lower turret alignment; punch-to-die alignment; auto-index axial and angular alignment; X/Y positioning accuracy and repeatability; machine squareness; documented before-and-after values; permanent baseline creation.

Best suited for: High-utilization machines, machines with quality or tooling concerns, equipment being relocated, machines without a reliable service history, or equipment approaching a major repair decision.

Important: A preventive maintenance inspection is not a formal safety certification or compliance audit. Machine-specific OEM instructions, site procedures, and applicable standards govern all work and operation.



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SERVICE LEVEL COMPARISON

The exact scope is adjusted to the machine design and installed options.

Inspection / deliverable	Basic	Standard	Comprehensive
Operator and maintenance interview	Included	Included	Included
General safety-device functional observations	Included	Included	Included
Pneumatic, lubrication, hydraulic, mechanical, and electrical inspection	Included	Included	Included
Cabinet and filter cleaning as applicable	Included	Included	Included
Representative production test	Included	Included	Included
Parameter / control backup where supported	-	Included	Included
Axis backlash and squareness checks	-	Included	Included
Turret and auto-index detailed inspection	Visual	Measured as required	Measured
Pressure, temperature, battery, and filter-date baseline	Current readings	Recorded and compared	Permanent baseline
Photo documentation and attachment log	As needed	Included	Included
Machine leveling	-	Optional	Included
Turret runout and punch-to-die alignment	-	Optional	Included
Auto-index alignment	-	Optional	Included
X/Y positioning accuracy and repeatability	-	Optional	Included
Before-and-after measurement report	-	As required	Included

Recommended frequency

Every 6 months

High-use, multiple-shift, critical-production, dirty, hot, or demanding environments.

Annually

Typical production machines with regular operator and in-house maintenance.

Every 18-24 months

Lower-utilization equipment with a documented maintenance history and stable baseline.

After relocation, crash, or major repair

Comprehensive PM and alignment before full production is recommended.



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A COMPLETE PM WORKFLOW

The program is designed to create useful records before, during, and after the service visit.

- 1. Pre-service review**
Confirm machine manufacturer, model, serial number, control type, known problems, production demands, maintenance history, and the PM level requested.
- 2. Machine inspection and controlled testing**
Complete the core fillable PM report and the model-specific addendums that apply to the machine configuration.
- 3. Establish or update the permanent baseline**
Record pressures, temperatures, backlash, runout, alignment, battery voltage, filter dates, operating hours, and hit count so future changes can be identified.
- 4. Photograph important conditions**
Attach photographs of worn parts, unsafe conditions, leaks, damaged wiring, abnormal contamination, and completed repairs. Each photo is referenced in the report.
- 5. Place the PM completion sticker**
Apply a numbered sticker showing the completion date, next PM due date, report number, and service engineer.
- 6. Prioritize repairs and parts**
Classify findings as Critical, High, Medium, or Monitor. Transfer the important items to a separate repair and parts quotation worksheet.
- 7. Deliver the report and follow-up quotation**
Email the completed PDF report and supporting photographs. A separate repair or parts quotation can then be issued with clear priorities and scope.

Deliverables provided after the visit

- Completed fillable PM report suitable for printing or emailing
- Applicable machine-specific addendums
- Baseline and trend comparison record
- Photo and evidence log
- Prioritized repair and parts recommendations
- PM completion sticker record
- Separate repair quotation worksheet when follow-up is required



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MACHINE-SPECIFIC ADDENDUMS

Only the addendums that apply to the machine are attached to the core PM report.

Mechanical Wiedemann / Strippit

Flywheel, clutch/brake, crankshaft, punch-head cam linkage, Varicam or mechanical cam settings, brake stopping consistency, and mechanical timing.

Murata / Muratec

Turret pins, workholders, sheet hold-down, punch-head linkage, auto-index stations, sensor diagnostics, loader interface, and Murata-specific functional checks.

Hydraulic / Servo-Electric

Hydraulic power unit, pump, accumulators, pressure and temperature trends, punch cylinder, servo-electric punch drive, amplifiers, and energy-storage modules.

FANUC CNC / PMC Control

Parameter, diagnostic, pitch compensation, PMC/ladder and keep-relay backup; batteries; reference return; servo diagnostics; I/O; communication; and control maintenance.

Loader / Automation

Perimeter safety, vacuum, sheet separation, pallets, transfer arms, conveyors, loader communication, automatic sequence, recovery, and production-cycle testing.

Program advantages

More useful than a simple checklist

Measured values, photographs, baseline comparisons, and machine-specific addendums create a practical maintenance record.

Better continuity between visits

The next service engineer can compare current condition with the previous PM rather than starting from zero.

Clear repair priorities

Critical, High, Medium, and Monitor classifications help the customer plan production, parts, and capital decisions.

Professional customer communication

The completed report can be saved, printed, emailed, and paired with a separate repair quotation.

Schedule a Turret Punch Press Preventive Maintenance Service

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