

PREVENTATIVE MAINTENANCE

LPM 22-POINT INSPECTION

SERVICE DATE: _____ / ____ / ____ SUPPORT TICKET #: _____

COMPANY:

CUSTOMER #:

SERIAL #:_____ MODEL:

Comple	te fo	orm by placing a checkmark in the boxes as task are completed.
1		Check level and tram. Adjust as necessary
2		Check calibration tables in service code 123 and backlash tables in service code 128. Put indicator on each axis to
		Record backlash values: X:Y:Y:Z:
3		Pull back and clean beneath the way covers: X, Y, and Z axes
4		Inspect couplings on X, Y, and Z axis
5		Remove side panels from head and clean out around spindle and spindle motor, and belt
6		Inspect Spindle Motor belt.
7		Thoroughly clean and lubricate the automatic tool changer and check all sensors.
8		Run service code 510: Check spindle orientation. Re-calibrate Spindle RPM.
9		Check the current on the X, Y and Z axis (ideally when the machine is cold, use motion maestro)
		* X and Y axis, peak current values should not exceed 25.5 amps and the continuous current should be 12 or less
		* Z should be less than 14 amps continuous and 27 amps peak. If the values are higher than this, inspect drive train.
10		Check rolling torque on X and Y axis - should be less than 18 in-lbs. Check torque in 3 places along the ballscrew to make sure the alignment is correct.
11		Double check all motor index angles in service code 505. (Index angles must be checked in the positive direction.)
12		Check ball lock locations and reset as necessary using code 500. Record previous values:
13		Check tool change height using service code 501.
14		Run service code 502: Check base tool height.
15		Recalibrate spindle load meter in PMAC STAT. (section 5.12.7 of LPM service manual)
16		Verify that error log is turned on.
17		Check service code 506 to verify 4th axis centerline and home. (4th axis only)
18		Check software and update when applicable.
19		Inspect lubrication system and fill, if necessary.
20		Replace filters on door and computer module.
21		Inspect wires in the electrical cabinet and tighten as needed.
22		Save Configuration file to thumb drive on Computer Module.
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List pot	entil	al problems, observations, or recommendations:

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NEXT MAINTENANCE DATE