

#7

U Tech CNC Service Inspection Report

Inspector: HARRIS

Make MAZAK Model VCM 510 C II

Control Model MATRIX

Serial number 213442 Model Year 4/2010

Manuals with machine? Please indicate which manuals are available? Electrical, Programming etc.

All

Control: Power on: 28430 Auto Operation: 6270

Auto cut: 13 Total Cut: 4288

Condition of Control Panel? Buttons, Keys, monitor etc.

GOOD

Covers:

Condition of all working covers inside the machine? GOOD

NO DENTS

Condition of the way wipers? GOOD

Spindle:

Please run the spindle at different rpm's to listen for bearing, belt and motor noise. Note any vibration and describe spindle condition below. If possible please check for spindle run out:

GOOD TO 12K

Sub Spindle:

X

Mill Spindle:

X

Check inside spindles for any cracks, scoring or damage to taper that should be noted:

GOOD

Axis Repeatability:

Please check and record findings for all applicable axis:

X axis .0000 Y axis .0001 Z axis .0000

C axis X B axis X W axis X

Backlash and compensation in control?

X axis 35 Y axis 80 Z axis 10

C axis X B axis X W axis X

Axis Noise, Please report any bearing, ballscrew or guide noise

Compensation findings:

WORN LIGHT OUT

Turrets:

Check indexing and alignment. Please note any concerns:

X

Tool Changer:

Please check to make sure tool changer is in good working order. Please note any missing pockets or issues:

GOOD

Chucks:

Please note any issues with chuck open/close or damage:

X

Tailstock:

Please check tailstock to make sure it is in good working order. Please test body and quill:

X

Pallet Changer:

Please rotate pallet inside and outside the workspace. Change pallets and report condition:

X

Chip Conveyor:

Please run conveyor in forward and reverse to make sure conveyor is working properly. Note any concerns:

GOOD

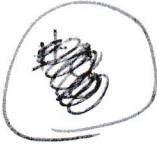
Coolant:

Please check all pumps to make sure they are working and run coolant to check for leaks for any issues.

GOOD

HP COOLANT Pump

Tooleye / Presetter:



Please check arm and sensors to make sure they are properly working. Note any problems.

_____ X _____

Electrical Cabinet:
Please check for cleanliness, fan operation etc. and note findings.

_____ GOOD _____

Probe:
Please verify probe system is working and verify tool shank and stylus are present and in good order:

_____ GOOD TS27R OTS _____

Hydraulics:
Please make sure hydraulic system is working properly

_____ GOOD _____

Lube Systems:
Please make sure all ways and any applicable areas are being lubricated properly

_____ GOOD _____

Miscellaneous items:
Please check the following items if applicable: Part catcher, barfeed and accessories or attachments the machine may have not listed above and note below:

_____ before lunch out _____

Please note below your over all opinion of condition of machine and any concerns that you feel need to be addressed:

Work Light OUT

Needs Cleaning