Machine Type: Lathe



Date: 5/12/2025 Inspector: WP IGAM0430002

IGAM Presents the Following Machine Inspection Report

Make and Model: Mazak QTN 200 - II MSY

Control: Nexus

Indicator Measurements Conducted in: .0005" Machine Level: No

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<u>BackLash</u>	<u>Set</u>	<u>Check</u>	Zero Check	Final Set	Check		Max RPM
X1	82	.0003"	.0005"	135	.0001"		Main: 6000
X2							Sub: 6000
Z1	0	.0000"	.0000"	0	.0000"		Live Tooling: 5000
Z2							Live Tool Type: VDI
Y	27	.0002"	.0002"	70	.0001"		Straight Live Tooling: None
W	80	.0000"	.0001"	80	.0001"		90 Deg Live Tooling: None
В							Stick Tooling: None
A							C axis (Main): Yes
							B Axis (sub): Yes
,		•			•		Part Catcher: Yes
Machine Inspection:					Measured:	Aligned:	Part Unloader: No
Chuck OD/ID Runout:					.005"		Part Conveyer: No
Turret Disk Face, Perpendicular to Z (Moving X1):					.0001"		Main Spindle Chuck: Collet
Turret Disk Face, Perpendicular to Z (Moving X2):							Sub Spindle Chuck: 3 Jaw
Turret Tool Mounting Face, // to Z (Moving Z1):					.0025"		Tool Presetter: Yes
Turret Tool Mounting Face, // to Z (Moving Z2):							Part Catcher Working: Yes
Turret Tool Mounting Face, // to Y (Moving Y):					.0003"		Part Unloader Working: NA
Turret Stick Tool Holder // To X, Main SP (Moving X1)					.0012"		Part Conveyer Working: NA
Turret Stick Tool Holder // To X, Sub SP (Moving X2)							Tool Presetter Working: No
ID holder to Main spindle alignment:							Tail Stock Quill Working: NA
ID holder to Sub spindle alignment:							Tail Stock Body Moving: NA
Spindle to Tailstock/Sub Spindle:							Turret Indexing: Yes
Leveling Pads: Yes Voltage In: 205 Internal Transformer: Yes KVA:							
Machine Dimensions: 124" x 82" x 83" Machine We							Veight: 10,800 LBS
Testing Notes/ Accessories:							
Headstock coolant pump bad, currently bypassed by turning input off.							
Sub Spindle Drive faulty, powers up after warming up							
Possible issue on Live tooling Drive, could be caused by Sub Spindle Drive being faulty, alarms clear.							
Sub Spindle some noise at higher RPM							
X and Y Bearing noise							
Tool Presetter elbow mechanial slop, does not do up/down, tool eye pads stuck.							
Air leak in turret disk, line pinched off.							
Small Break in Main Spindle labrinth							