

Mazak

Quick Slant 30

4 Axis

Serial Number: 55085

MTSS
Machine Technical Service Support
The Machine Shop Solution
MTSS Will Get There Quick!

Mazak

Machine Number Assigned:

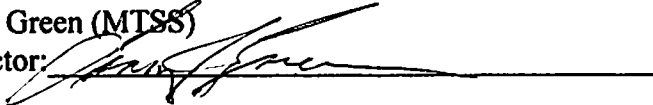
Model: QSL 30 4 Axis

Serial Number: 55085

Franklin Equipment Asset Number:

Date of Inspection: 02-10-10.....02-11-10

Inspector: Larry R. Green (MTSS)

Signature of Inspector: 

Machine Features and Options:

Mazak T-4 Mazatrol Cam Conversational Control
Chip Conveyor
2 Tool Turret Head 1 and Head 2
Color CRT
Tail Stock

Manuals:

Mechanical Parts List
Electrical Wiring Manual
Parameter Hard Copy
Tooling Manual
Programming Booklet (Class Room Issue)
Mechanical Maintenance Manual
Maintenance Manual (Alarm and Parameter)

Conditions at Power Up:

1. Machine would not power up.
2. Had to replaced Memory Batteries.
3. Perform Re-initialization Procedures
4. Order Hard Copy Parameters from Mazak Service.
5. Punched all parameters in by hand. Not able to bring up the Factory Parameters.
6. Servo issues on the X2 Axis and the Z1 Axis . Suspect that there could be problems with Encoder and Drive Units.
7. Force Function to inspect conveyer. Conveyer works good.
8. Not able to check other function due to item 6 above.

This Machine is repairable using parts if required from the other QSL 30 Mazak Machines. This would take some time since there are other issues such as Memory Boards and PLC software that could be causing some of the issues with getting to the Factory Parameters.

Since there is very little chance of finding Replacement Boards for this machine most and all repairs would have to be with either Mitsubishi or other Repair Facilities.

As far as PLC software, it is possible that Mazatrol Department could re-write Software for the Control.

Mechanically the machine has wear on the ways. The Ball screws for all of the axis may need Trust Bearings Replaced.

With the right amount of effort the machine still has potentials.

Machine overall condition is Rated as Listed below:

Poor Condition

Note: The Machine Will Power Up!!!

Condition as shown in photo

1. Motor should not power up

2. Loud noise when starting

3. Loud noise when running

4. Loud noise when stopping

5. Loud noise when starting up the factory parameters

6. Loud noise on the X1 axis and the X2 axis. Started that there could be problems with encoder and drive units

7. Loud noise in the motor control or weak good

8. Not able to check other function due to item 6 above

This machine is repaired using parts it replaced from the other Q21 30 Mark II Machine

It should have been the same as other issues such as Memory Board and PLC

It should have been the same as other issues with going to the factory parameters

There is a very little chance of finding replacement boards for this machine most and all

issues would have to be with other PLCs or other Report Machines

As for the PLC software, it is possible that the Report Department could re-write software for the

machine

The final step the machine has been on the way. The ball screws for all of the axis may need

to be replaced

With the right amount of effort the machine will be possible

Machine in good condition is listed as 1 listed below

Good condition

Machine in good condition

Machine in good condition

Machine in good condition

Machine in good condition

Machine in good condition

Machine in good condition

Machine in good condition

Machine in good condition

Machine in good condition

Machine in good condition

Machine in good condition