



The Service Group



November 2009 Monthly Technical Bulletin

Hello All,

Hope all is running well with your machines as this year comes to an end. TSG is the Largest and most experienced company for Service and parts for Shoda in North America. Let us help you with all your machine service and parts. TSG specializes in thorough preventative evaluations and restorations of your machines. If we can help you in any way please give us a call.

Subj: URGENT Maxxim Z axis issues

Over recent months I've been doing an engineering investigation into the primary causes for the Z axis crashes on this specific machine. The primary cause for failure is improper shut down procedures (Machine being left on over night with air turned off). During my investigation I've also found several serious machine issues that need to be addressed.

1. Found Z balance cylinder exhaust ports plugged and mufflers bad causing over pressurization of air cylinder. Solution: Change out mufflers with AN300 or AN400 once a year.
2. Due to location of lock pin assembly at lower base of Z axis, Lock pin assembly must be kept cleaned out on weekly basis. More info contact TSG.
3. If your Maxxim Z axis has crashed to the table, most likely the Z lock pin will need to be replaced. Recently I've determined that the center tooth on the lock pin assembly is being worn down by the spiraling affect of the Z crash and is hard to determine with pin in machine. Recommendation: Remove and replaced lock pin ASAP to prevent further damage to machine. Call TSG for Info.
4. Machine needs to be checked for damage by qualified tech.



Z axis lock pin assembly

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