



# $\gamma$ -S330DT

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## Maintenance Manual

**Version 1.0**  
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MM01P-330-02

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## Maintenance Intervals

Unit name Inspection and	lubrication point	Details on inspection and lubrication	Specifications and specified oil	Cycle	Reference
Main body	MR unit (Pressure gauge)	Check air pressure. (Before operation)	0.49 MPa to 0.54 MPa	24h (1D)	
	Scrap material collection box	Clean (After operation)		24h (1D)	
	Jig box	Clean (After operation)		24h (1D)	
	Stage table	Clean (After operation)		24h (1D)	
	Area sensor	Clean		120h (1W)	
Static eraser	Pin point	Clean		560h (1M)	
CCD Camera	lens	Clean		560h (1M)	
Spindle	Chuck and chuck holder	Clean		120h (1W)	
	Return to AuroTek	maintenance	2,800 hours of service by the spindle	3000h(1Y)	
XYZ unit	X-axis Ball screw & LM guide	Inject grease.	Shell Oil: Albanian Grease NO.2  Mobil Oil: Mobilux NO.2	560h (1M)	
	Y-axis Ball screw & LM guide	Inject grease.		560h (1M)	
	Z-axis Ball screw & LM guide	Inject grease.		560h (1M)	
	Cable bearer	Inspect		6000h (1Y)	
Vacuum Cleaner	Dust box	Clean		120h (1W)	
	Bag filters	Clean		24h (1D)	
	Vacuum piping	Clean		560h (1M)	

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## $\gamma$ -S330DT X-Axis Ball Screw Maintenance Procedure

### Purpose:

This maintenance manual for the regular maintenance activity, may prevent malfunction of equipment in the first place, also improve equipment reliability and stability for increasing equipment's service life and improving the efficiency.

Series:  $\gamma$ -S330DT

Maintenance tools/period: Monthly

Maintenance tools		
		Non-woven cloth , Dust-free cloth
		Gloves
		Maintenance oil
		Screw driver

### Grease Recommendation:



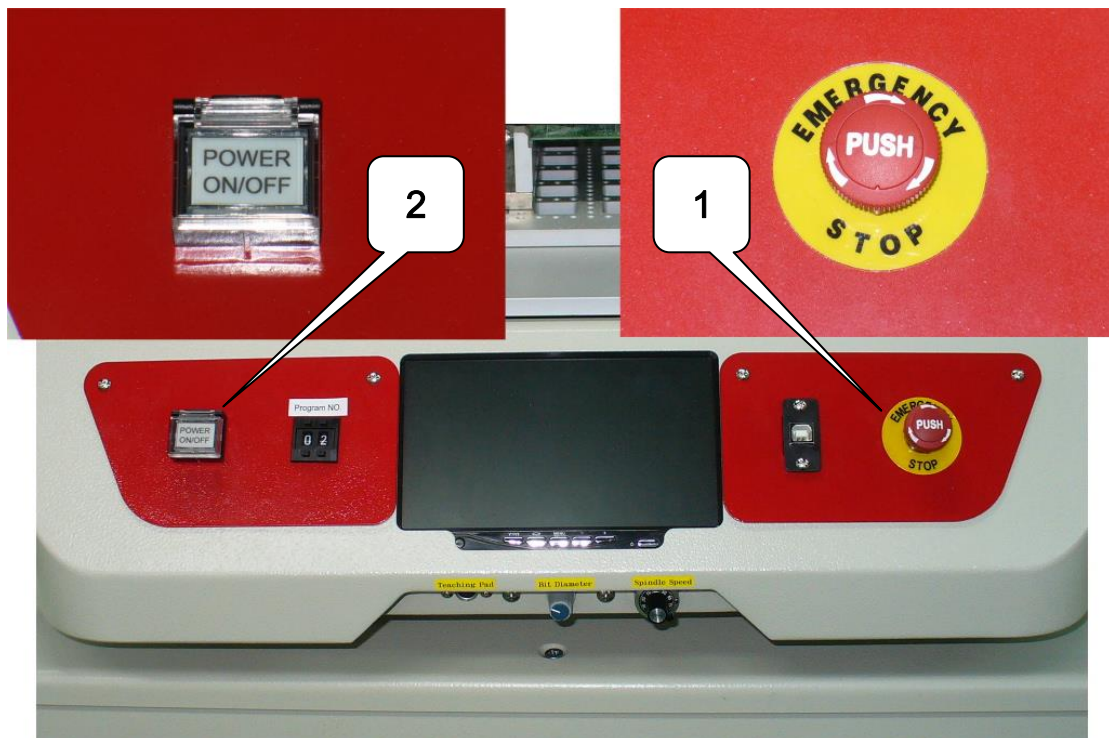
Albania Grease NO.2



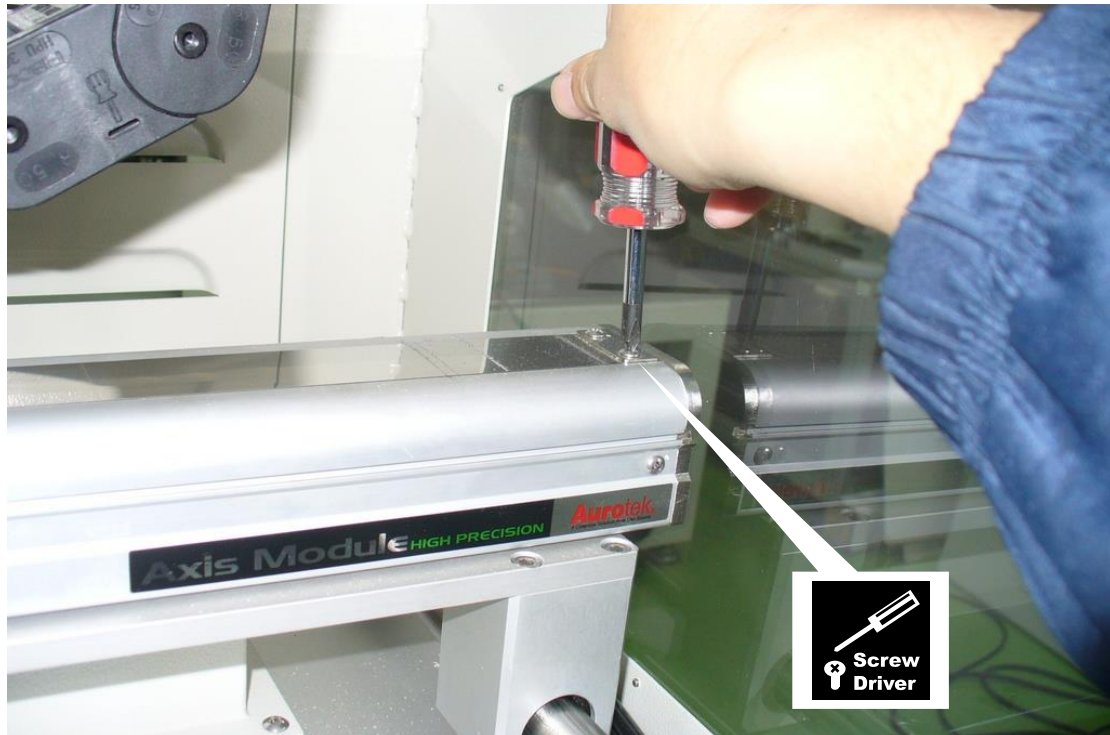
Mobilux NO.2



Step 1: Move the Y axis to front position and X axis to left position.



Step 2: Press the Emergency Stop button then turn off the main power.



Step 3: Release screws on the silicon steel sheet and hold the silicon steel sheet by hand.



Step 4: Wipe the old grease away from the ball screw.





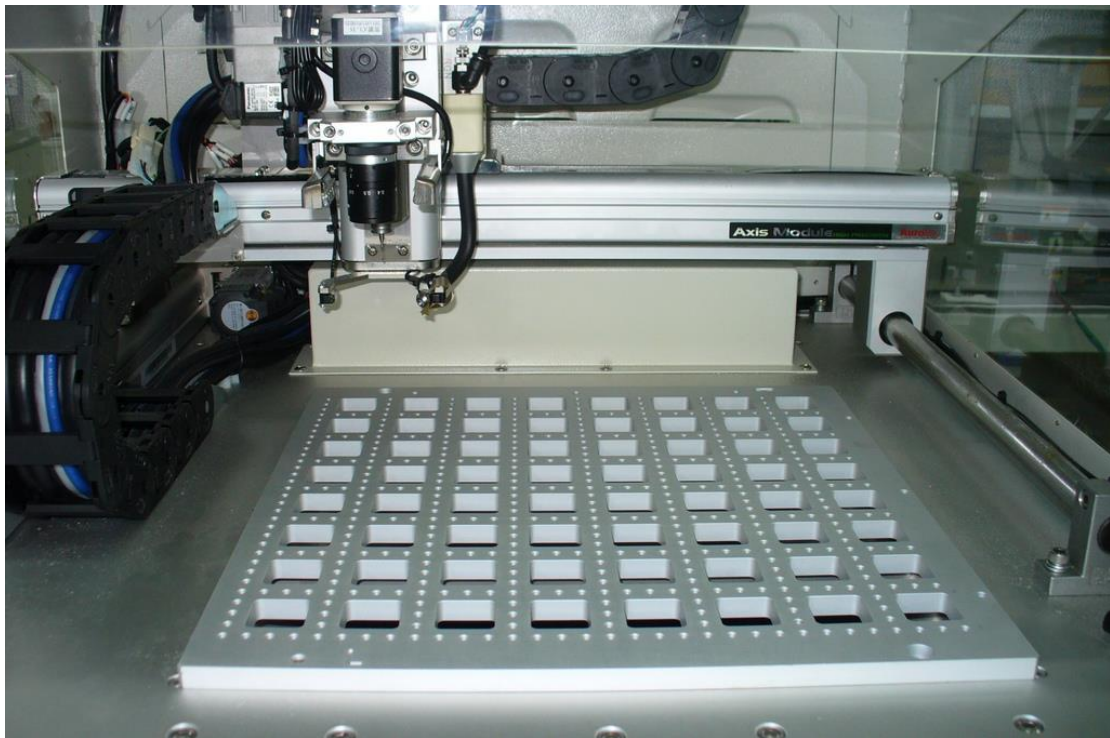
Step 5: Averagely smear new grease on the ball screw.



Step 6: Wipe the excess grease away to prevent dust adhesion.

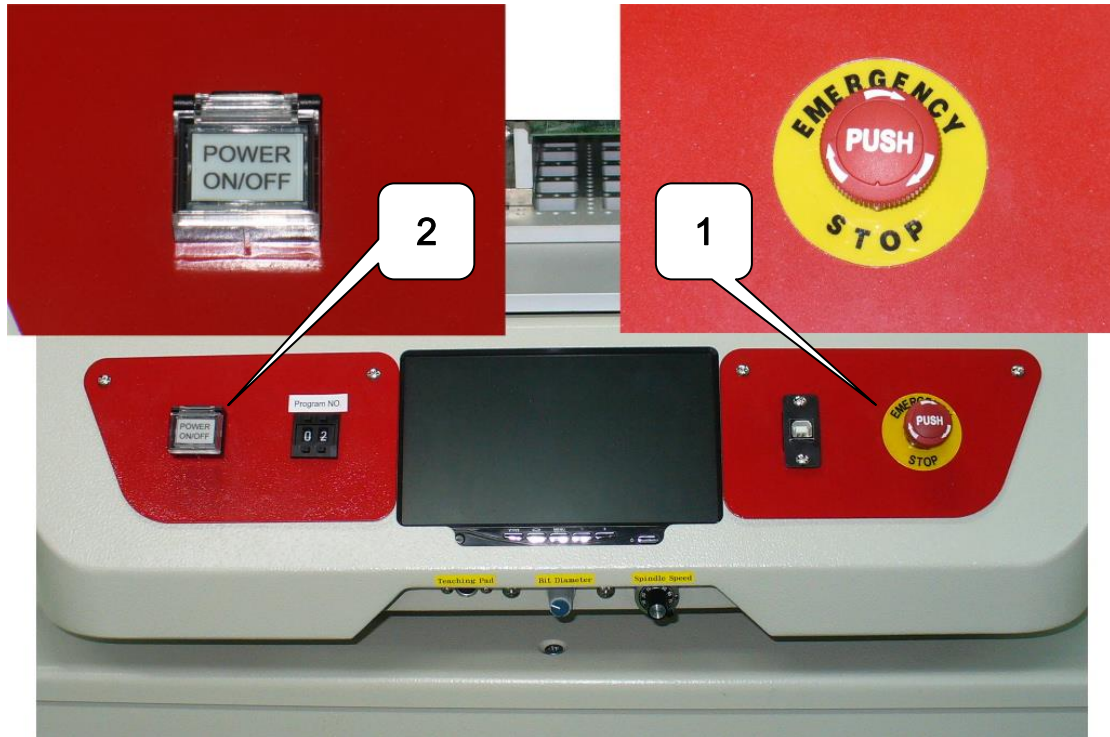


Step 7: Reinstall the silicon steel sheet.



Step 8: Check working area to see if there is any tool, dust-free cloth etc. remained behind.





- Step 9: 1. Release EMERGENCY STOP button.  
2. Turn on main power.  
3. Run the trial program. If there is no any error message showing up during executing the trial program, the maintenance procedure is finished.






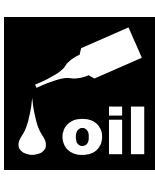


## $\gamma$ -S330DT Y-Axis Slide Sifter Maintenance Procedure

### Purpose:

This maintenance manual for the regular maintenance activity, may prevent malfunction of equipment in the first place, also improve equipment reliability and stability for increasing equipment's service life and improving the efficiency.

Series:  $\gamma$ -S330DT

Maintenance tools/period: Monthly

Maintenance tools		
		Non-woven cloth , Dust-free cloth
		Gloves
		Maintenance oil
		Screw driver

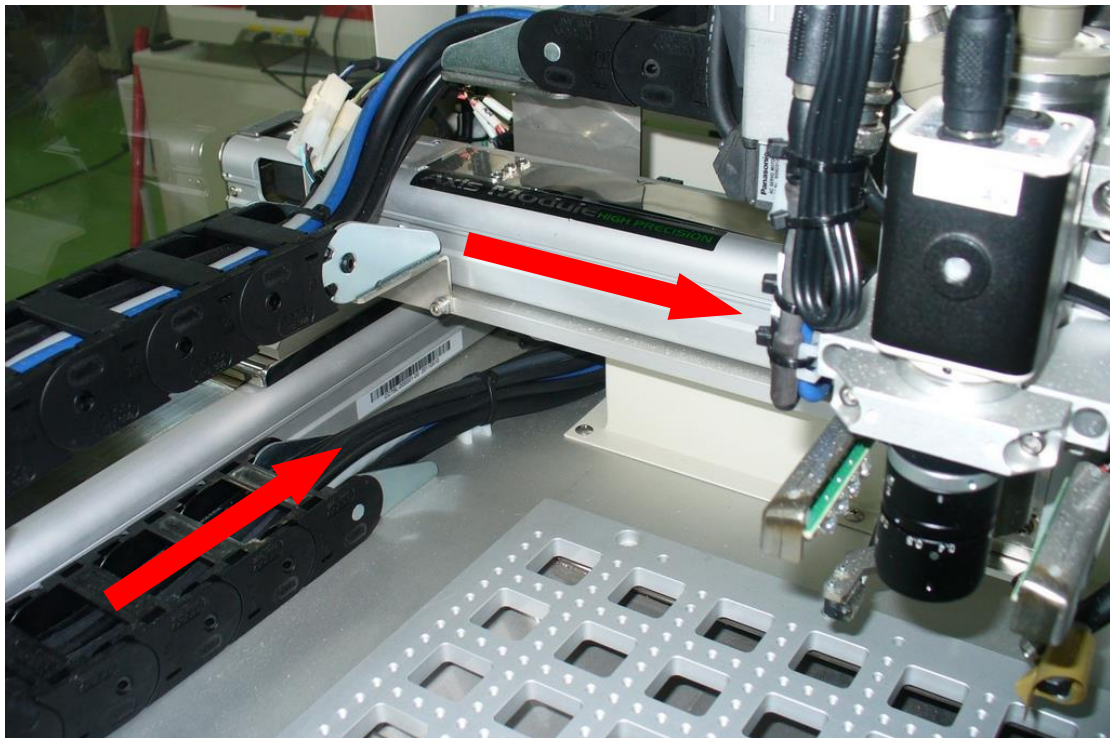
### Grease Recommendation:



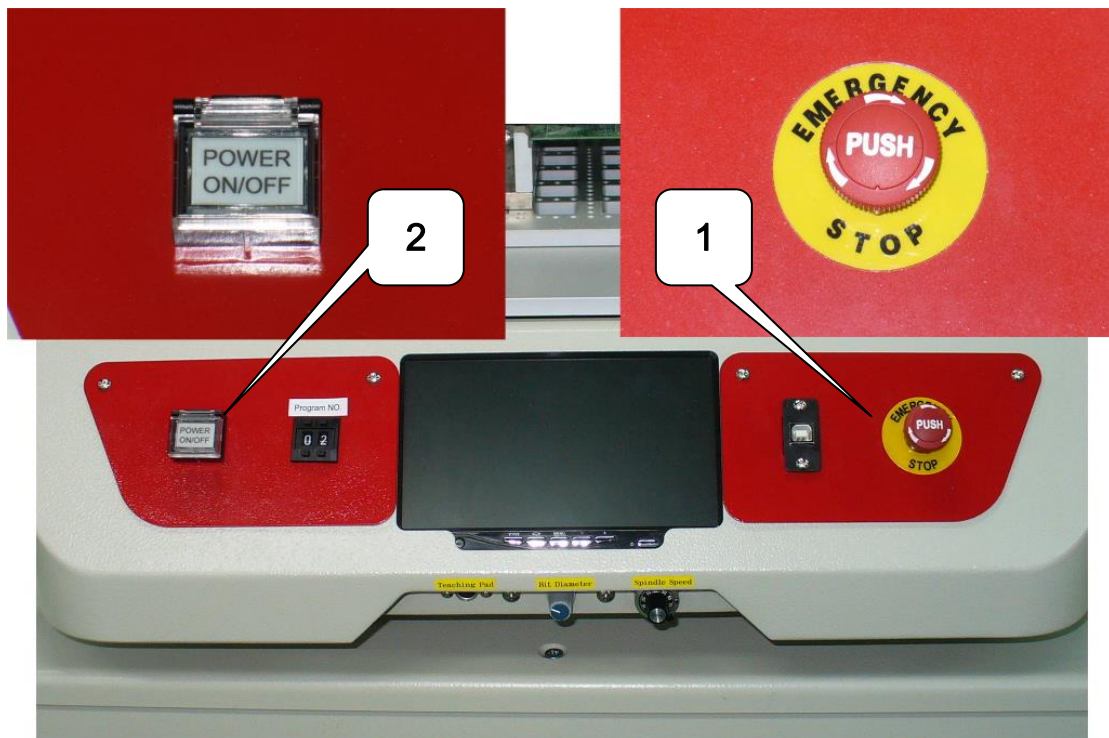
Albania Grease NO.2



Mobilux NO.2

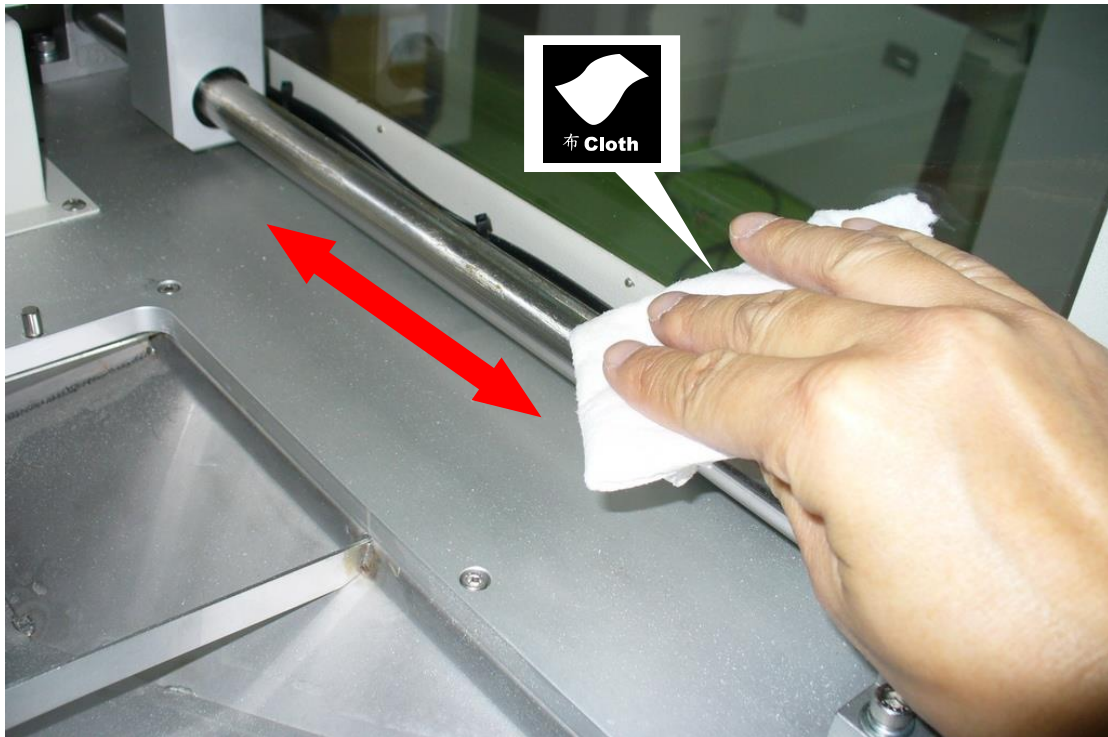


Step 1: Move the Y axis to back position and X axis to right position.



Step 2: Press the Emergency Stop button then turn off the main power.





Step 3: Wipe the old grease away from the slide sifter.

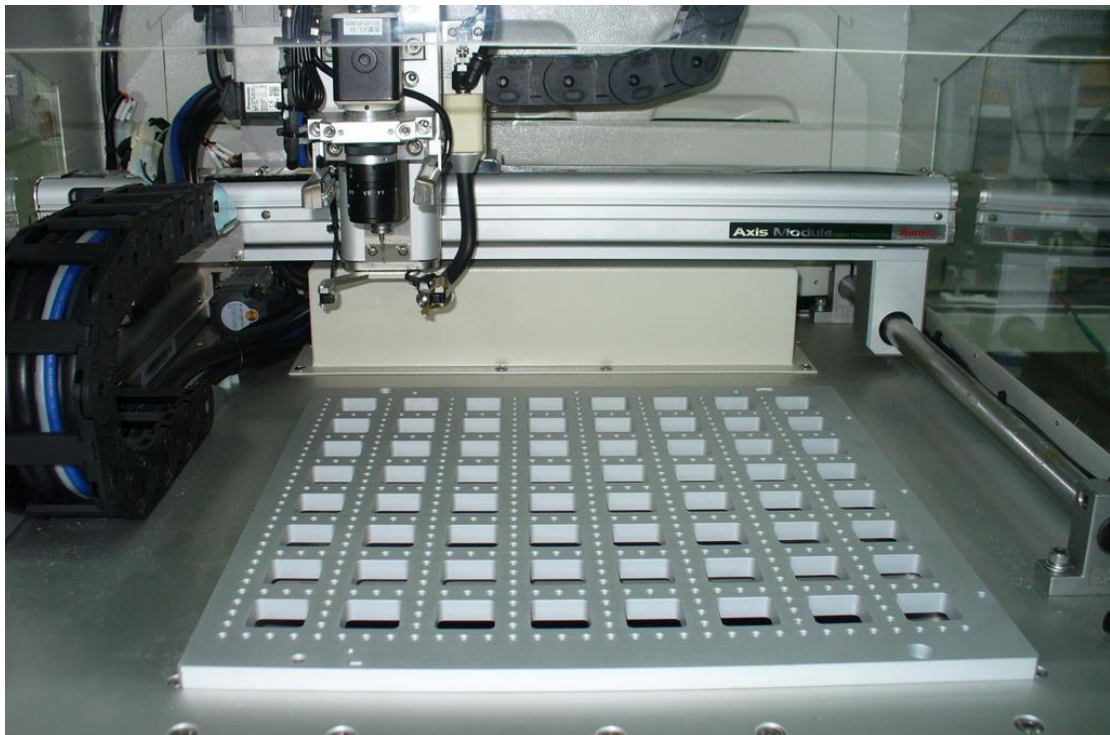


Step 4: Averagely smear new grease on the ball screw.

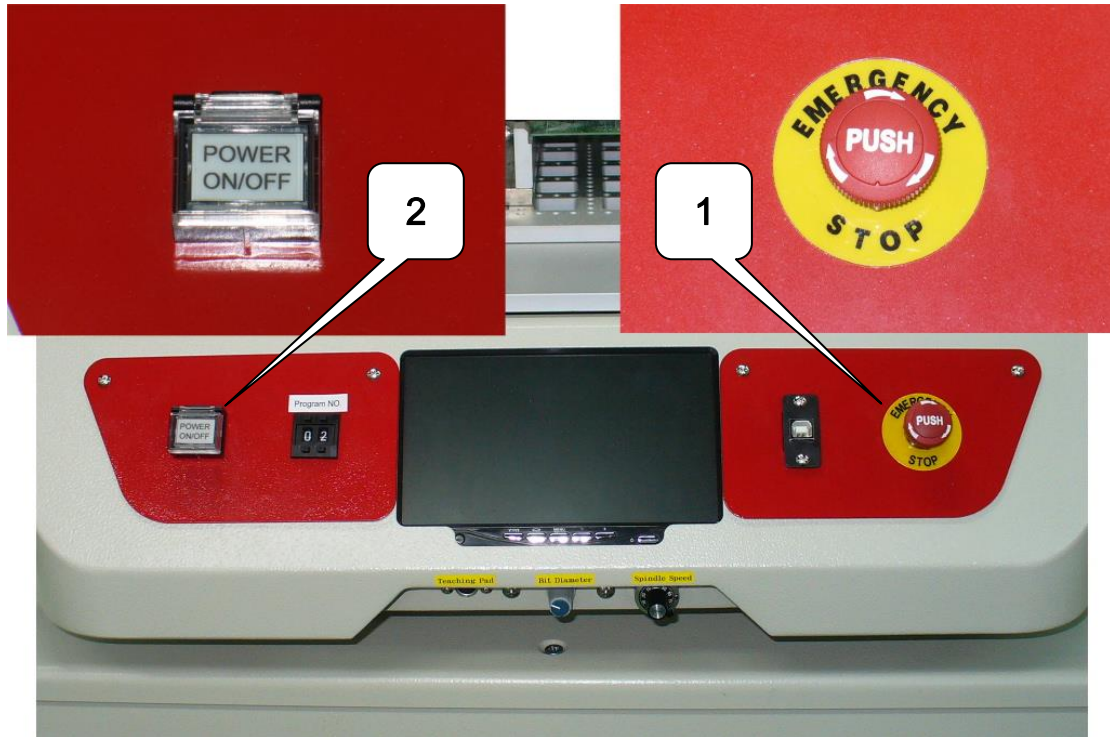




Step 5: Wipe the excess grease away to prevent dust adhesion.



Step 6: Check working area to see if there is any tool, dust-free cloth etc. remained behind.



- Step 7: 1. Release EMERGENCY STOP button.  
2. Turn main power.  
3. Run the trial program. If there is no any error message showing up during executing the trial program, the maintenance procedure is finished.









## $\gamma$ -S330DT Y-Axis Ball Screw Maintenance Procedure

### Purpose:

This maintenance manual for the regular maintenance activity, may prevent malfunction of equipment in the first place, also improve equipment reliability and stability for increases equipment's service life and the efficiency improvement.

Series:  $\gamma$ -S330DT

Maintenance tools/period: Monthly

Maintenance tools		
		Non-woven cloth , Dust-free cloth
		Gloves
		Maintenance oil
		Screw driver

### Grease Recommendation:

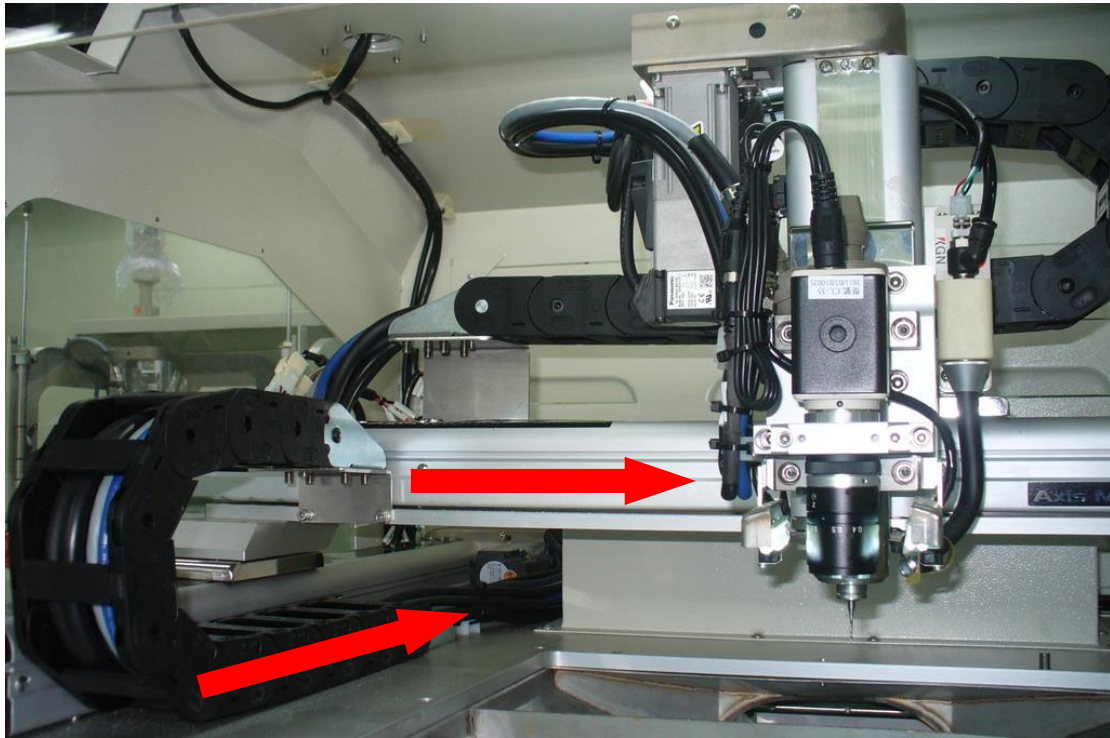


Albania Grease NO.2

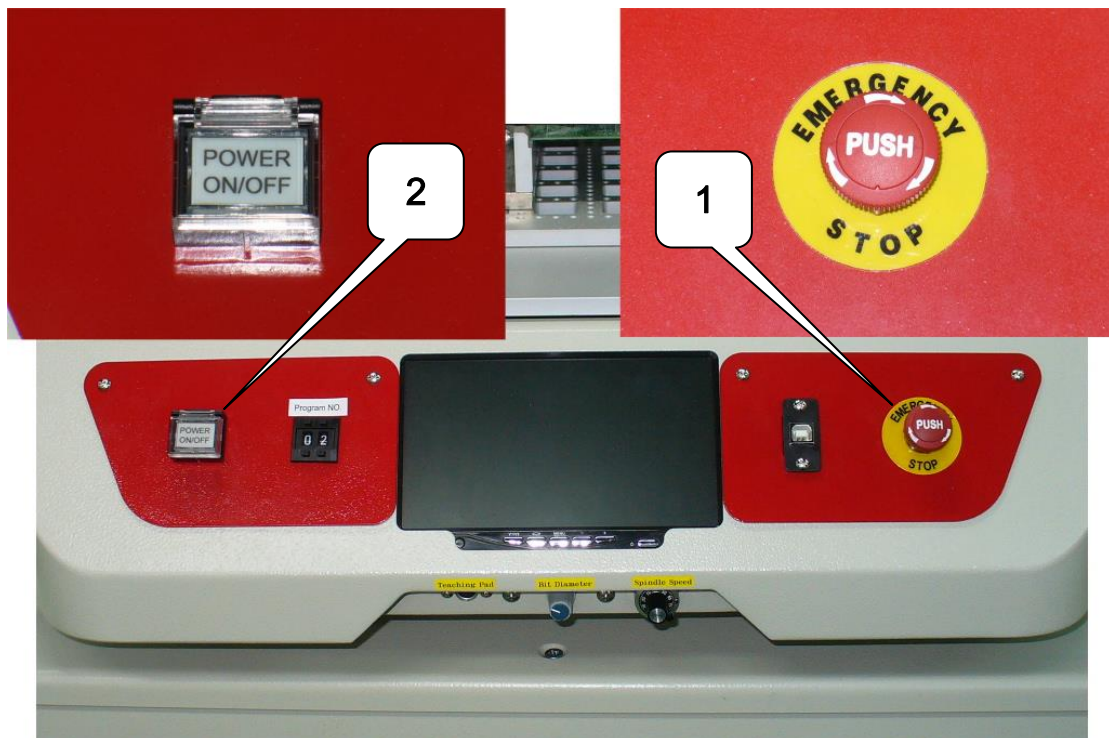


Mobilux NO.2



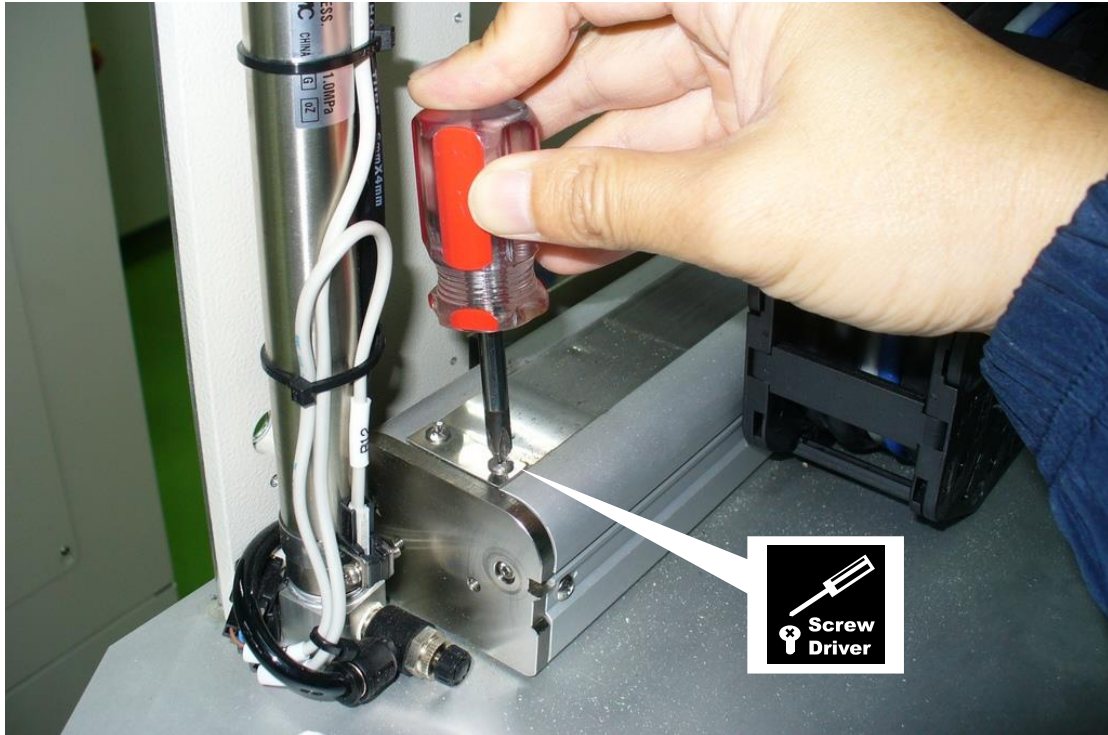


Step 1: Move Y axis to back position, X axis to center position.

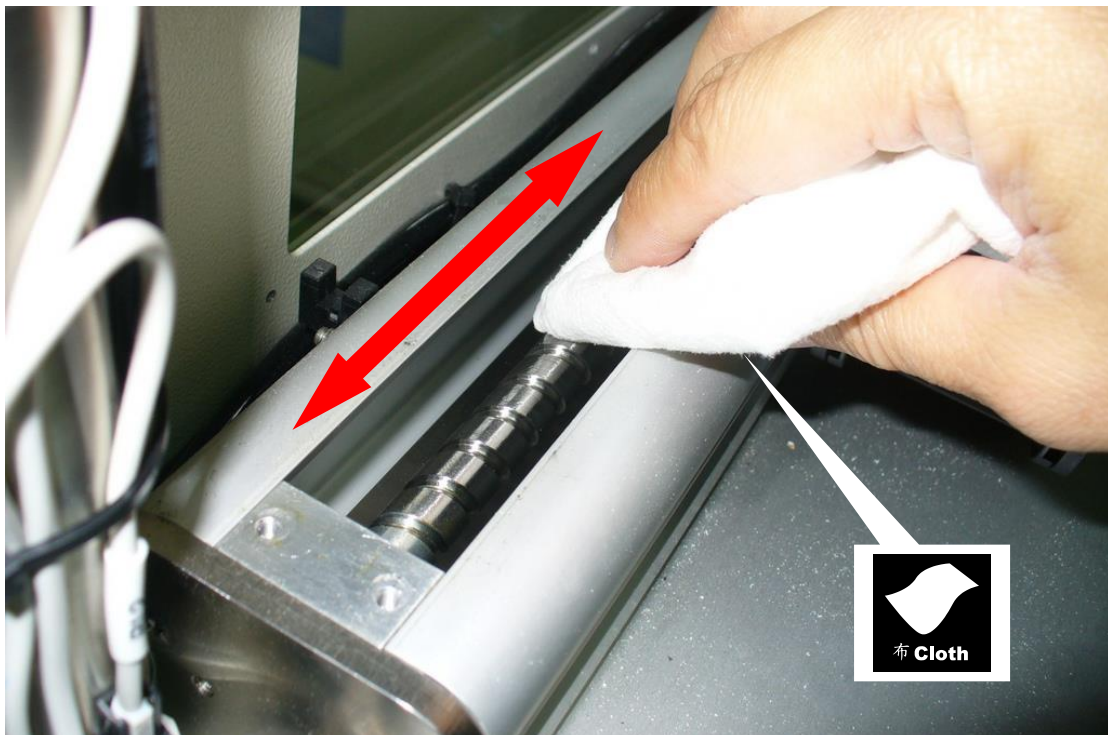


Step 2: Press the Emergency Stop button then turn off the main power.





Step 3: Release screws on the silicon steel sheet and hold the silicon steel sheet by hand.



Step 4: Wipe the old grease away from the ball screw.

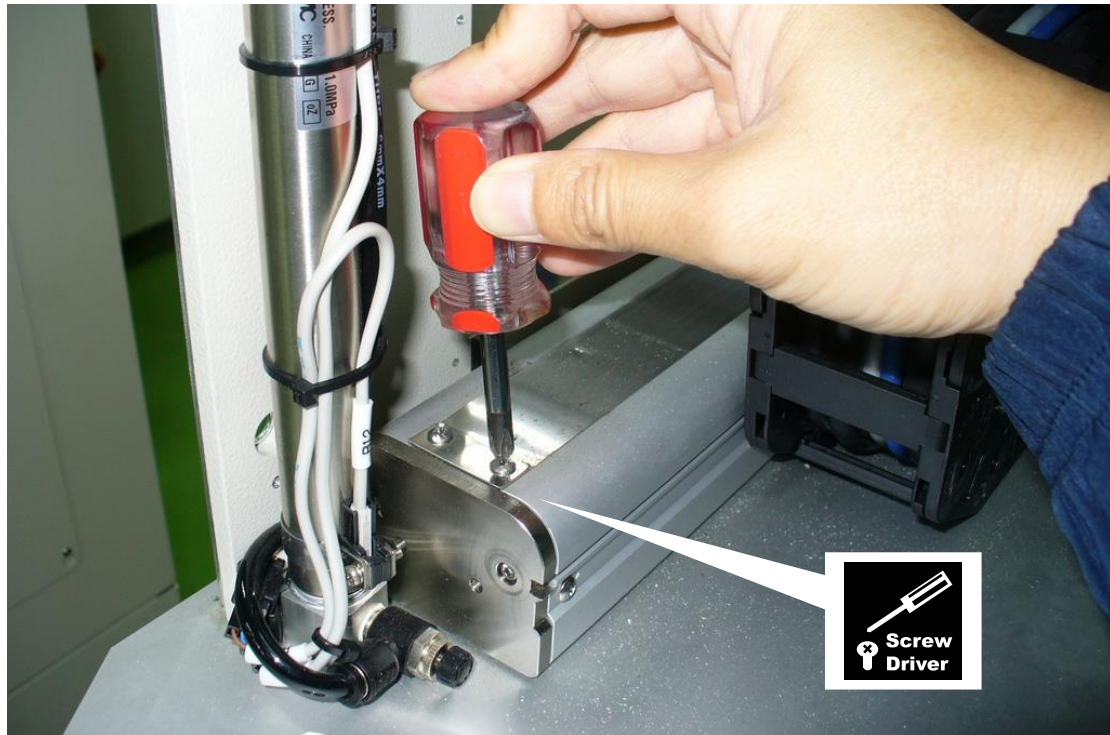


Step 5: Averagely smear new grease on the ball screw.

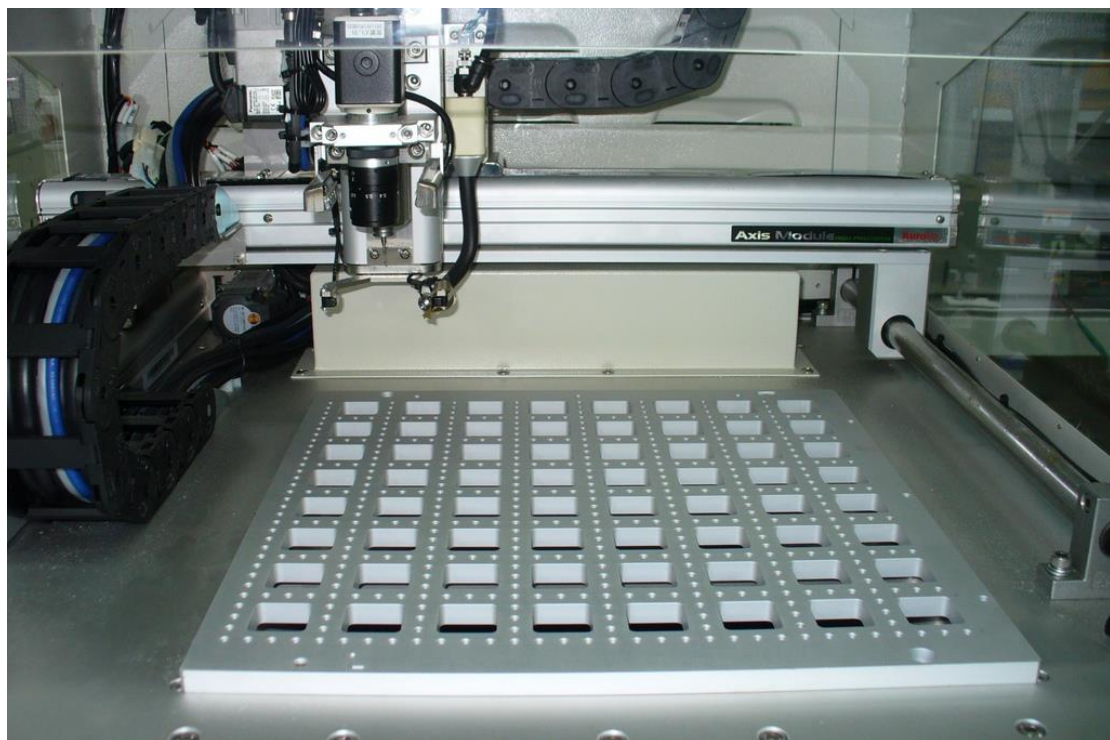


Step 6: Wipe the excess grease away to prevent dust adhesion.

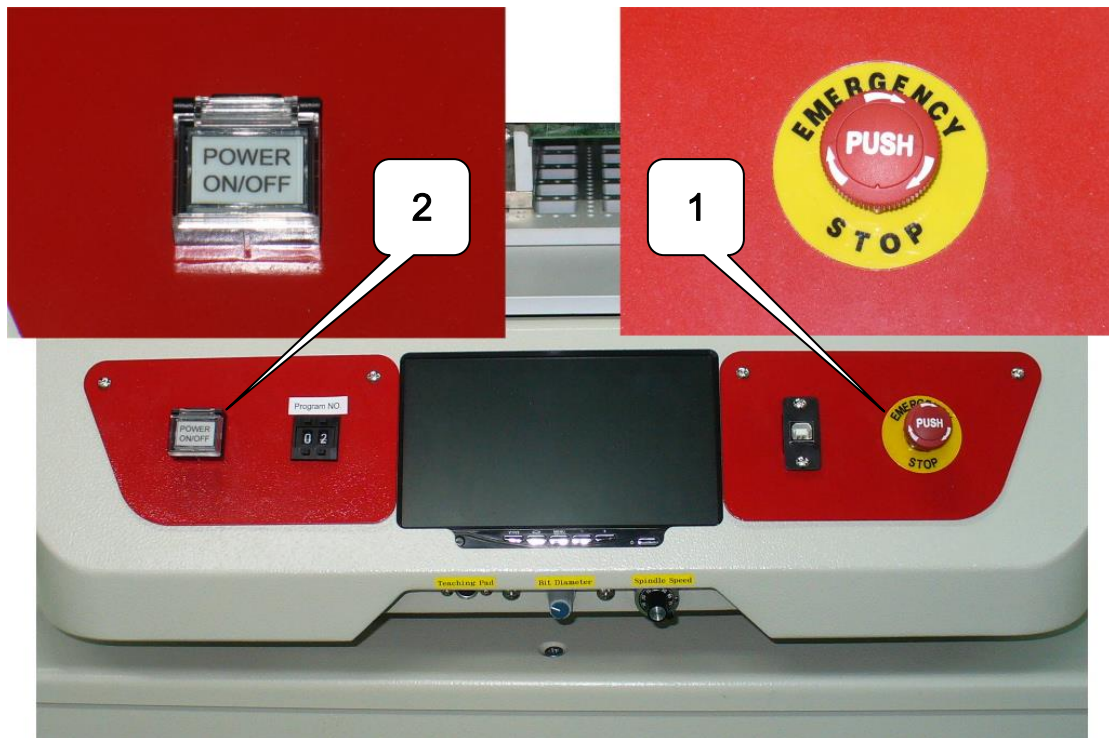




Step 7: Lock the screws.



Step 8: Check working area to see if there is any tool, dust-free cloth etc. remained behind.



- Step 9: 1. Release EMERGENCY STOP button.  
2. Turn main power.  
3. Run the trial program. If there is no any error message showing up during executing the trial program, the maintenance procedure is finished.













## $\gamma$ -S330DT Z-Axis Ball Screw Maintenance Procedure

### Purpose:

This maintenance manual for the regular maintenance activity, may prevent malfunction of equipment in the first place, also improve equipment reliability and stability for increases equipment's service life and the efficiency improvement.

Series:  $\gamma$ -S330DT

Maintenance tools/period: Monthly

Maintenance tools		
		Non-woven cloth , Dust-free cloth
		Gloves
		Maintenance oil
		Screw driver
		Hex wrench

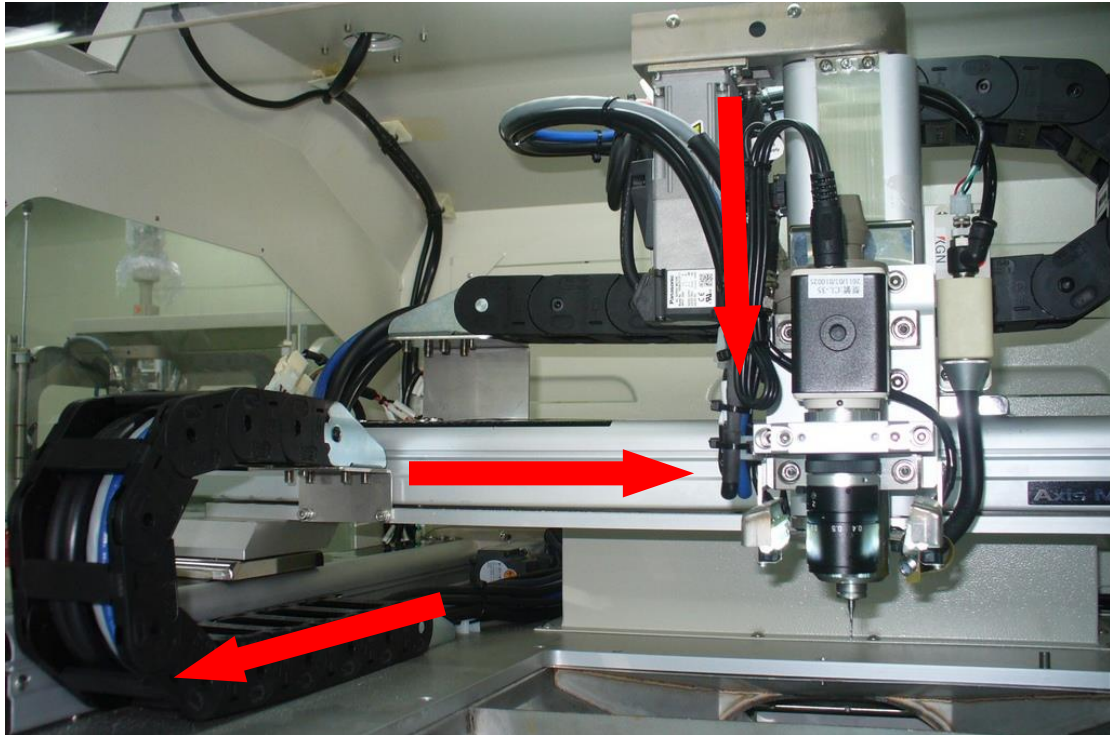
### Grease Recommendation:



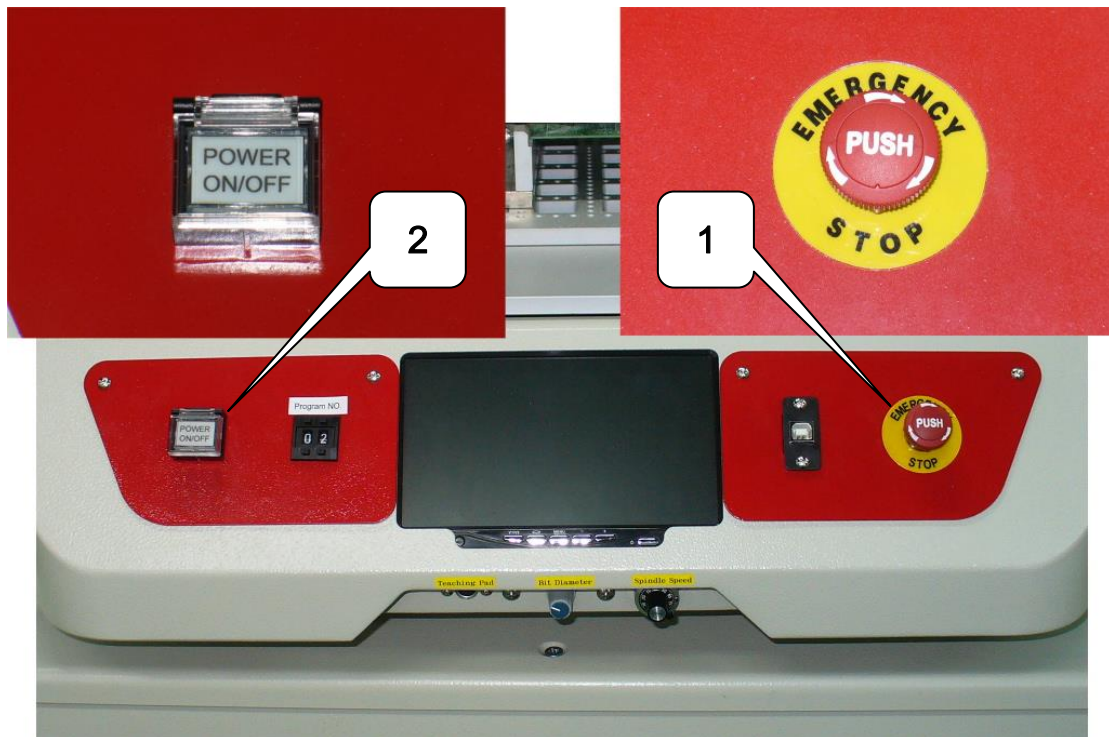
Albania Grease NO.2



Mobilux NO.2



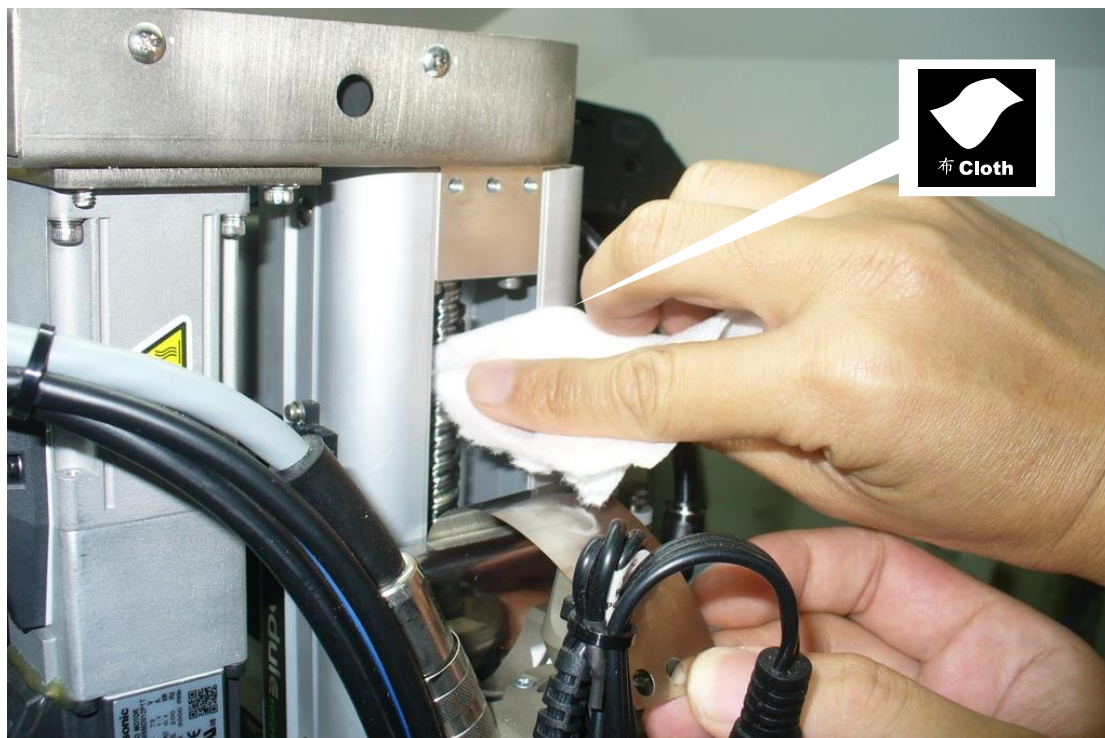
Step 1: Move Z axis to bottom position then move Y axis to forward position and X axis to center position.



Step 2: Press the Emergency Stop button then turn off the main power.

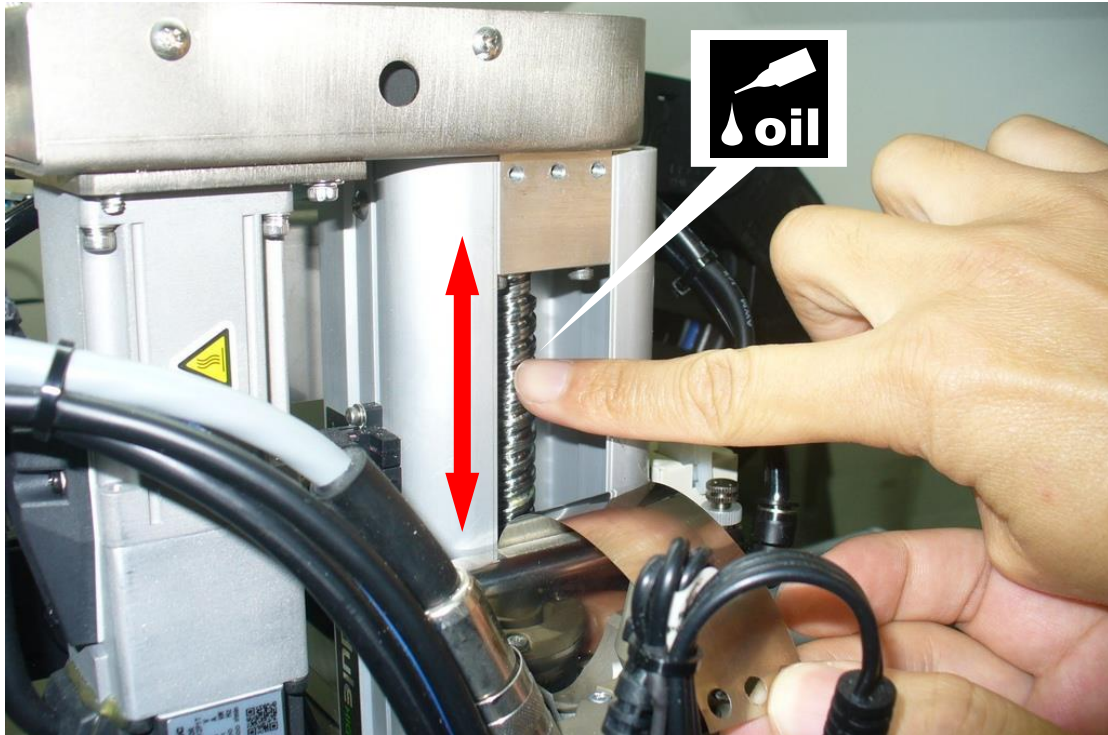


Step 3: Release screws on the silicon steel sheet and hold the silicon steel sheet by hand.

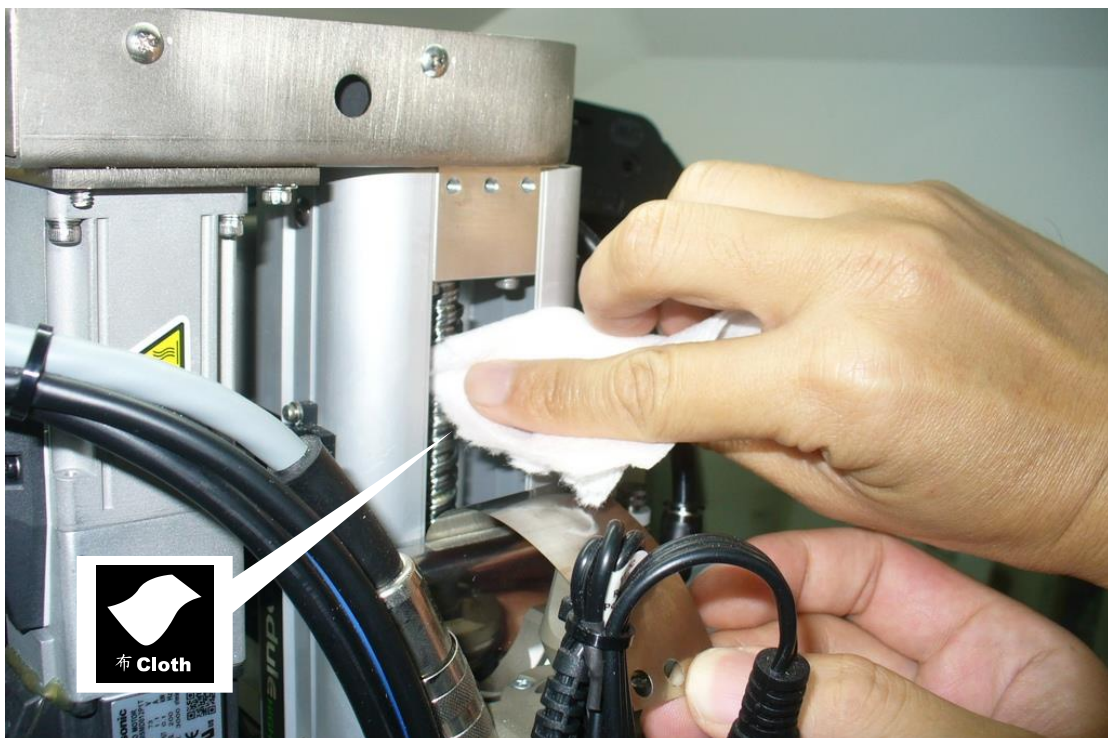


Step 4: Wipe the old grease away from the ball screw.





Step 5: Averagely smear new grease on the ball screw.



Step 6: Wipe the excess grease away to prevent dust adhesion.

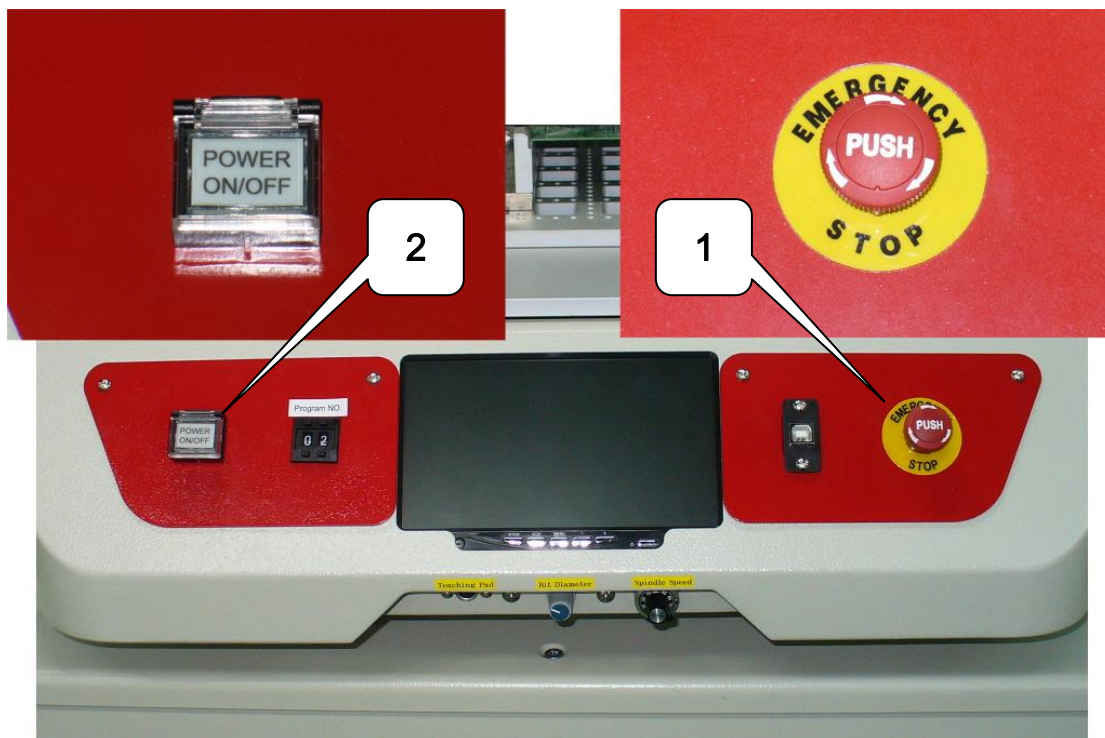




Step 7: Lock the screws.



Step 8: Check working area to see if there is any tool, dust-free cloth etc. remained behind.



- Step 9: 1. Release EMERGENCY STOP button.  
2. Turn main power on.  
3. Run the trial program. If there is no any error message showing up during executing the trial program, the maintenance procedure is finished.