

# $\gamma$ -S330DT

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## Maintenance Manual

**2012 08**

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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	maintenance	3,000 hours of service	3000h(1Y)	

	AuroTek		by the spindle		
XYZ unit	X-axis Ball screw & LM guide	Inject grease.	Shell Oil: Albanian  Grease NO.2	560h (1M)	
	Y-axis Ball screw & LM guide	Inject grease.	Mobil Oil: Mobilux  NO.2	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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# γ -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 increases equipment's service life and the efficiency improvement.

Series: γ -S330DT

Maintenance tools/period: Monthly

Maintenance tools		
		Non-woven cloth , Dustlessness cloth
		Gloves
		Maintenance oil
		Screw driver

## Grease Recommendation:

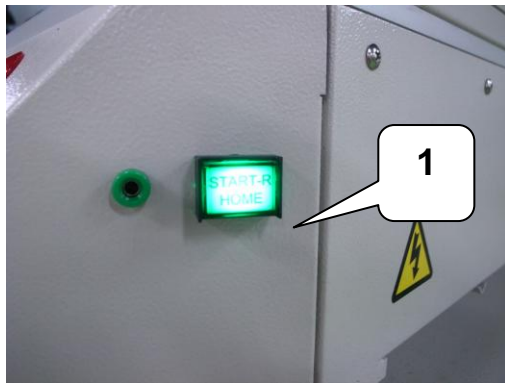


Albania Grease NO.2



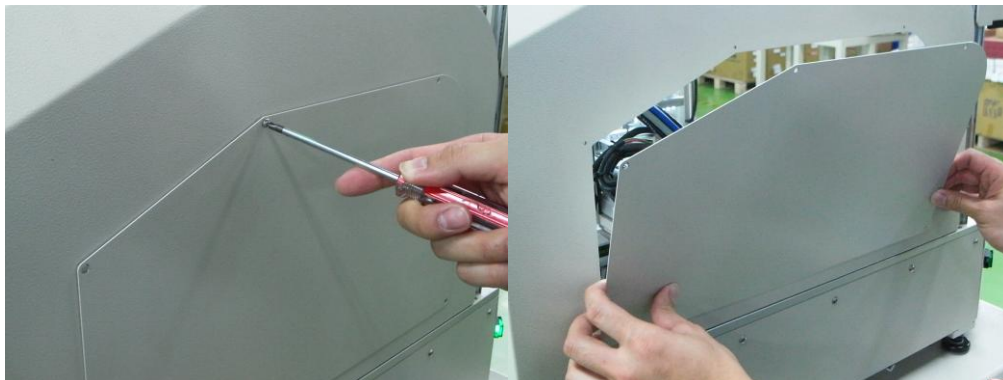
Mobilux NO.2

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Step 1: Please follow the steps of operation order.

1. Press home button.
2. Press emergency stop button.
3. Turn off main power.



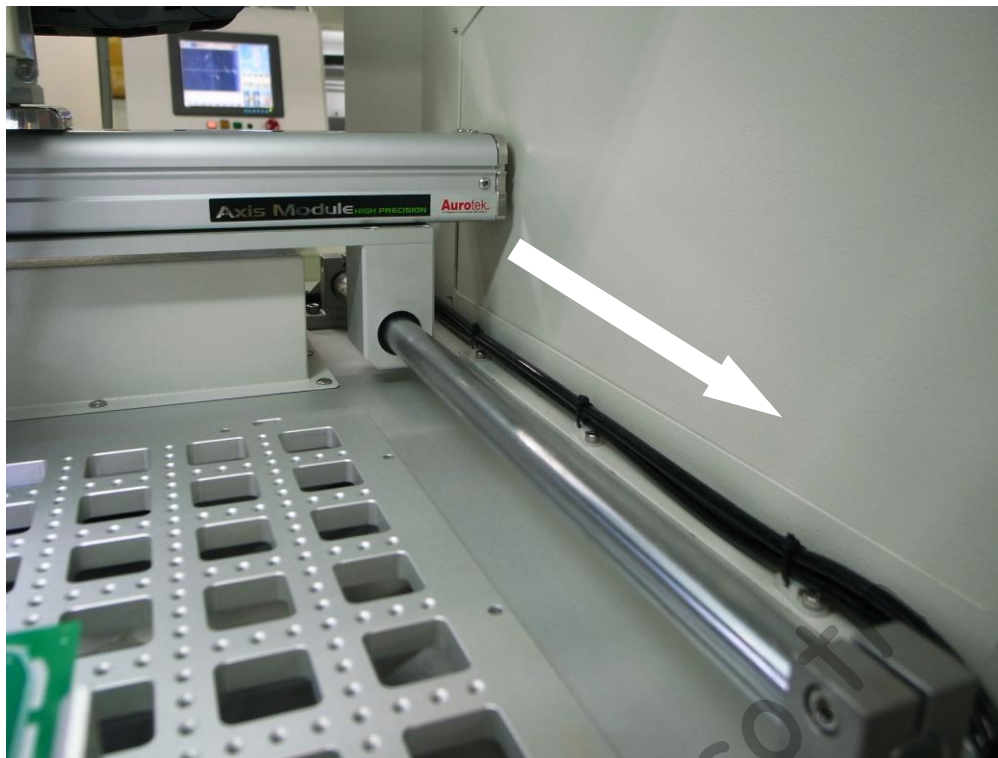


Step 2: Remove the covers.

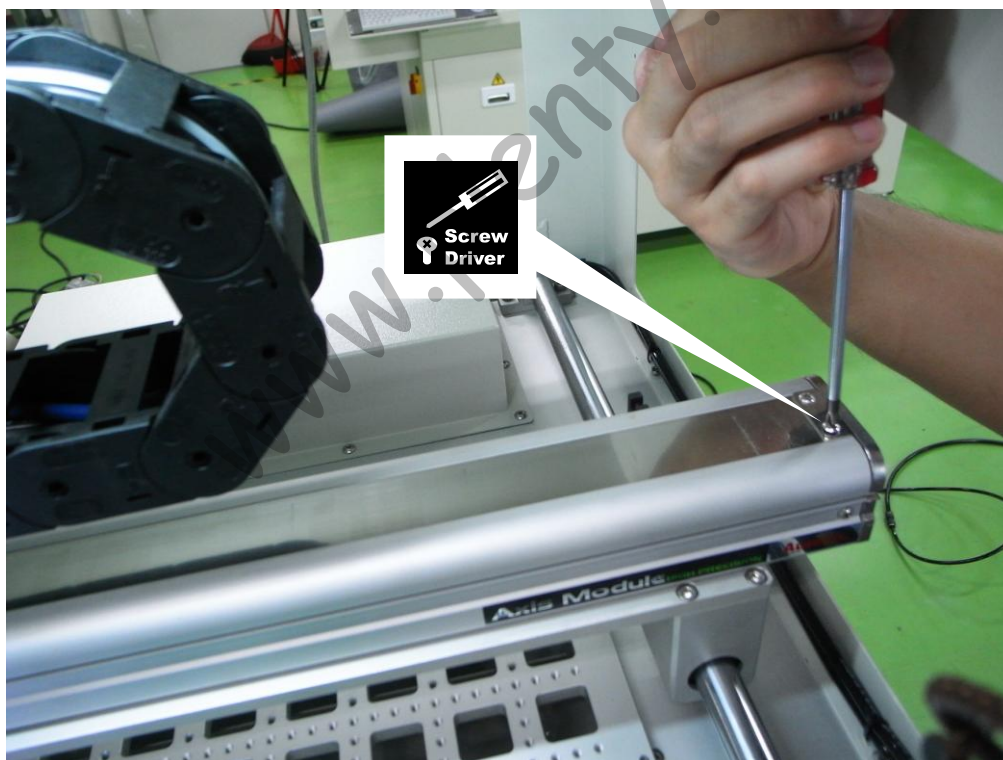


Step 3: Remove X axis/Y axis motor power cable.

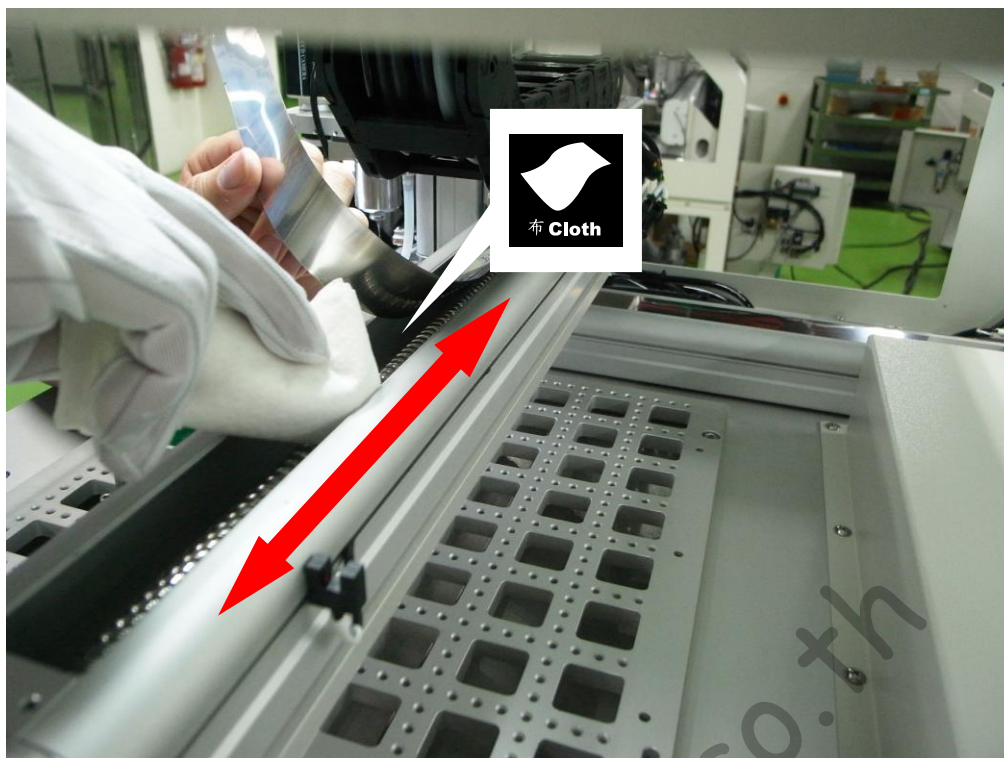




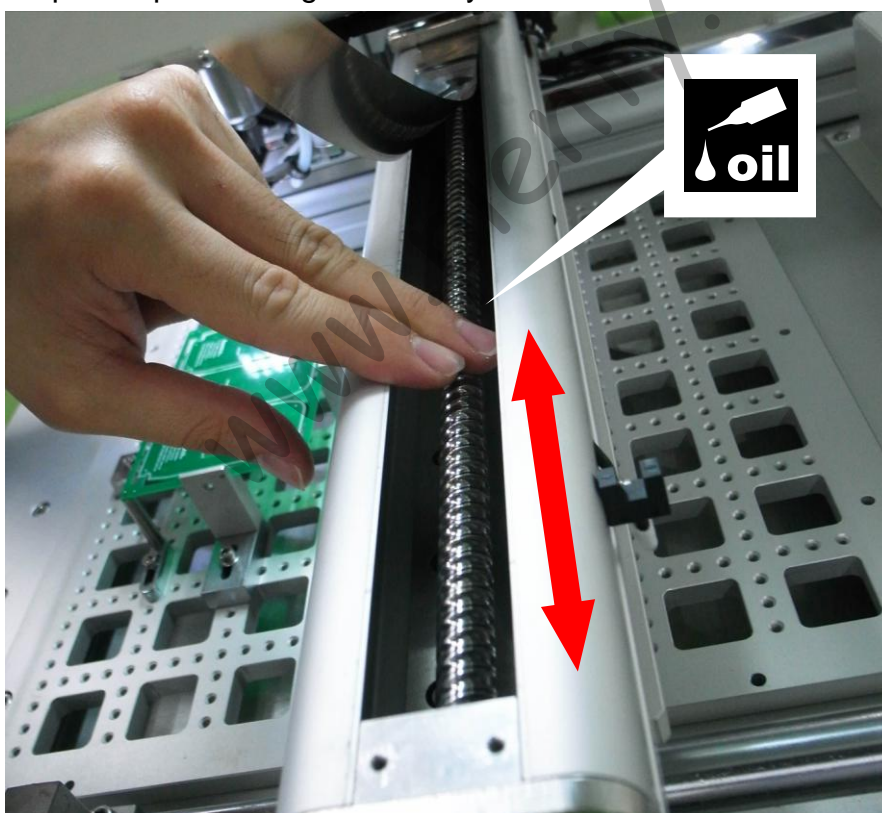
Step 4: In order to maintenance Y axis more easily, move Y axis to the front.



Step 5: Release screws on the silicon steel sheet and hold the silicon steel sheet by hand.

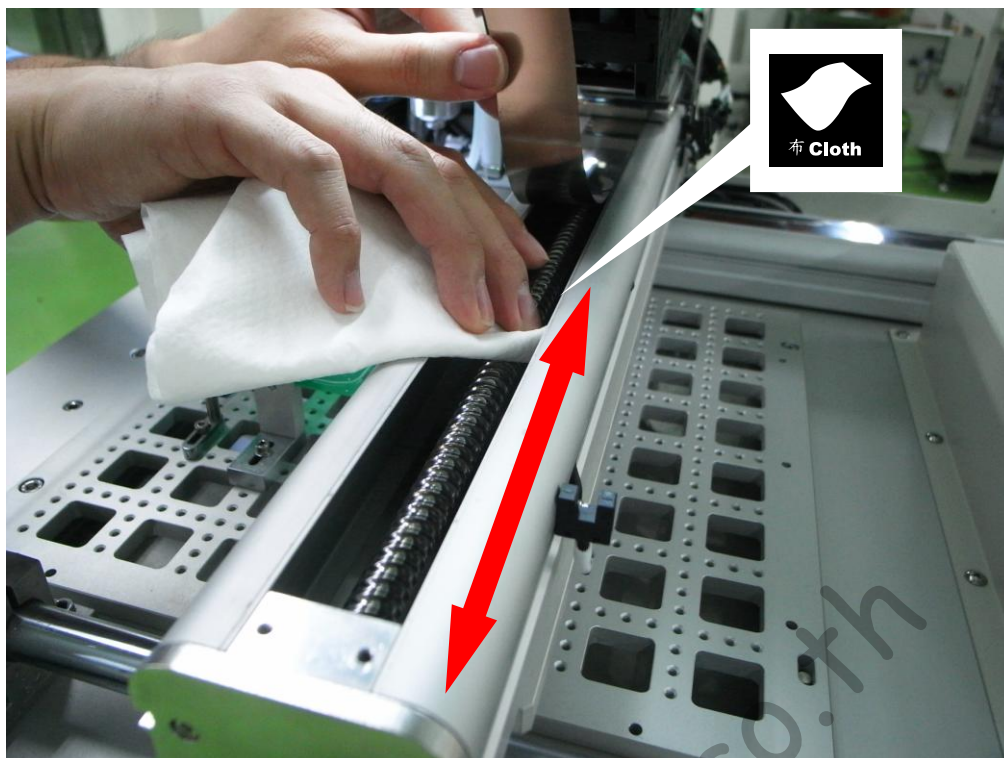


Step 6: Wipe the old grease away from the ball screw.



Step 7: Averagely smear new grease on the ball screw.

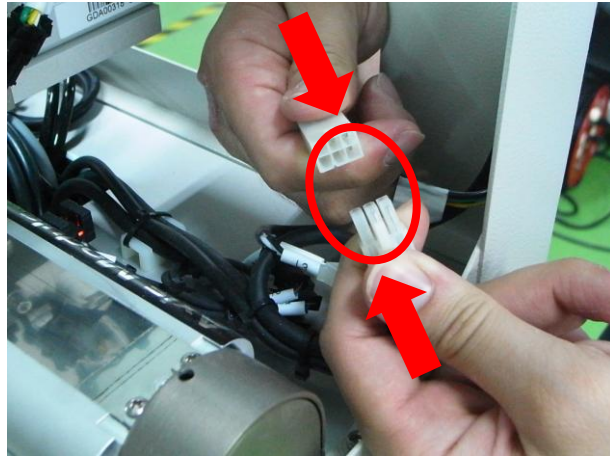




Step 8: Wipe the excess grease away to prevent dust adhesion.



Step 9: Reinstall the silicon steel sheet.



Step 10: Connect X axis/Y axis motor power cable.



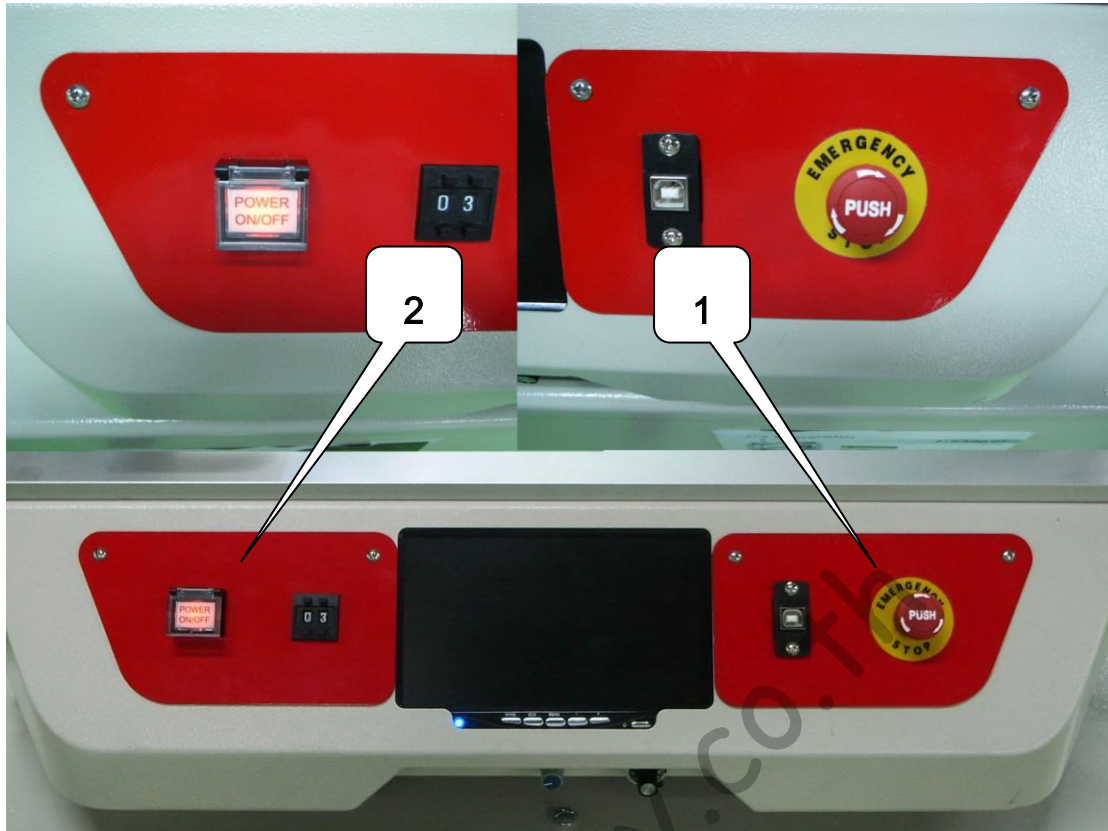


Step 11: Replace the covers.



Step 12: Check working area to see if there is any tools, dustlessness cloth etc. left behind.





Step 13:

1. Loosen EMERGENCY STOP button.
2. Turn on main power.
3. Run the trial program. If there is not any error message show up during running program, then maintenance procedure is completed.

# $\gamma$ -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 , Dustlessness cloth
		Gloves
		Maintenance oil
		Screw driver

## Grease Recommendation:



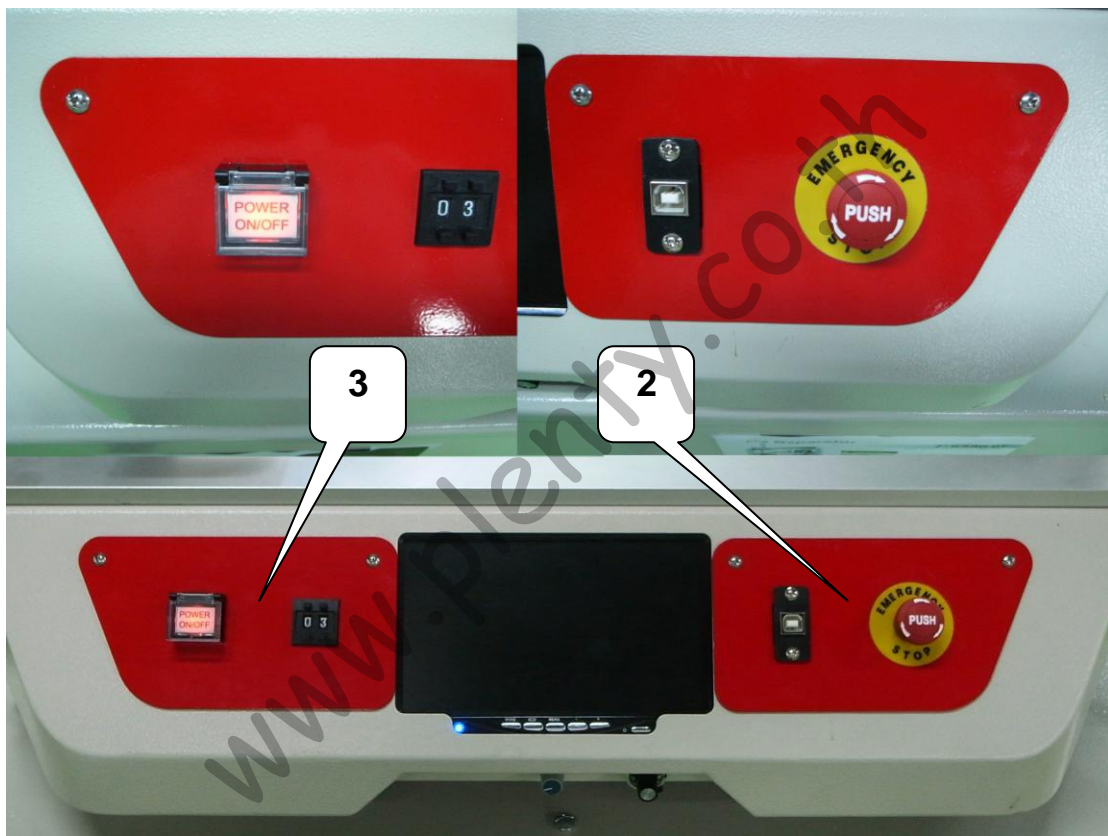
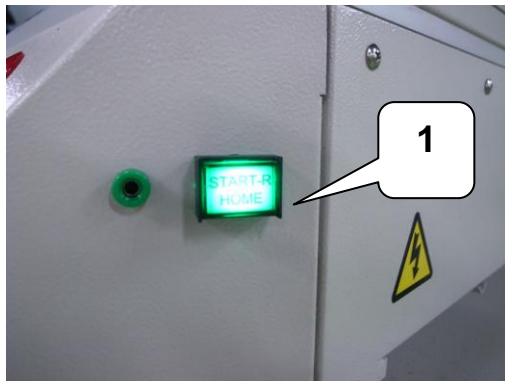
Albania Grease NO.2



Mobilux NO.2

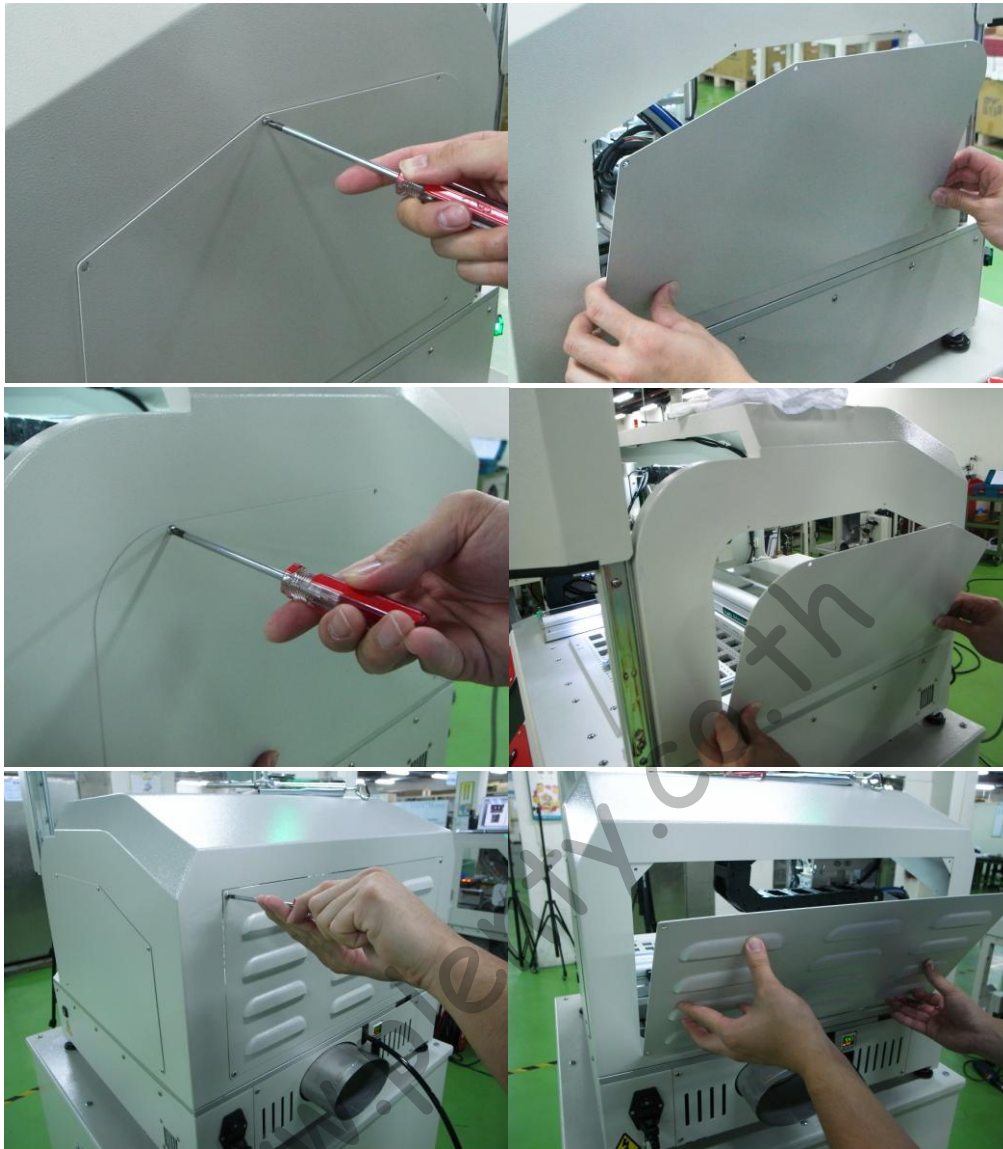
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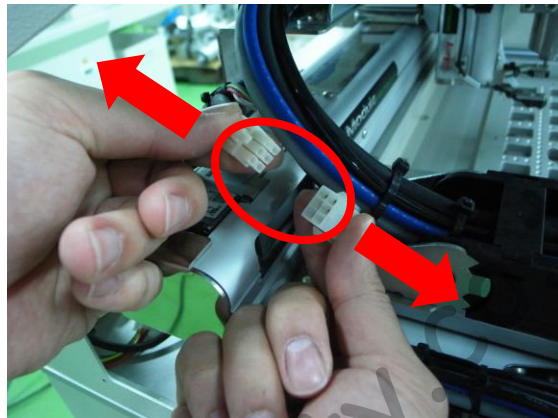
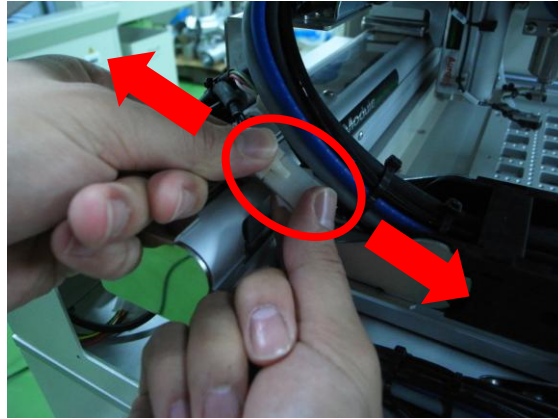


Step 1: Please follow the steps of operation order.

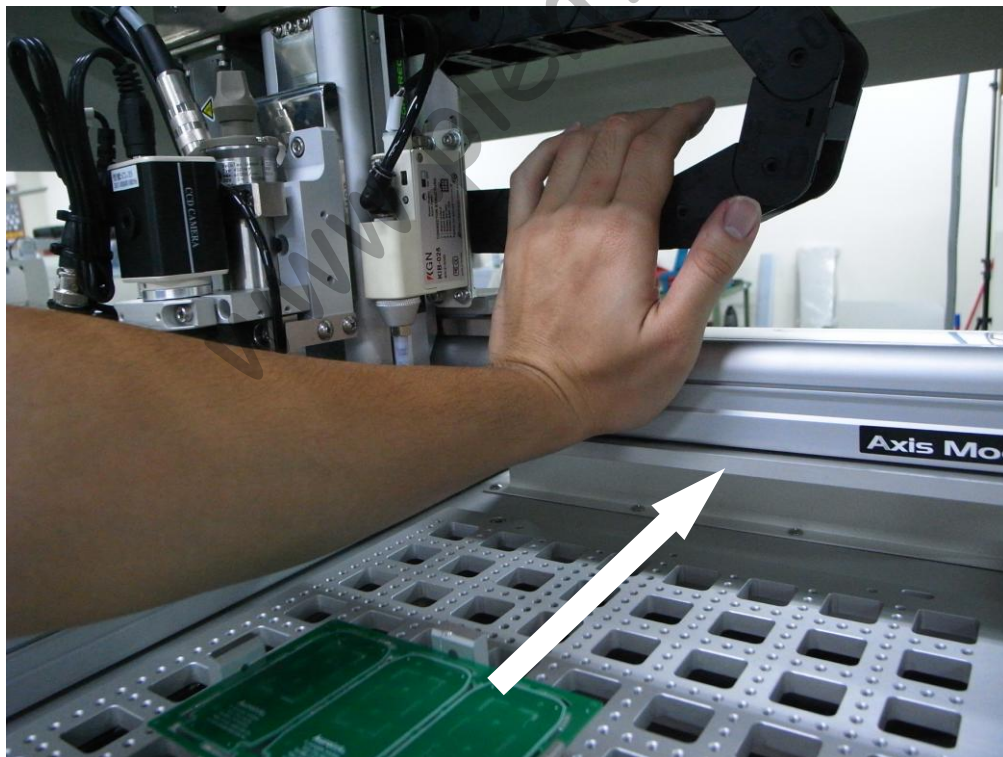
1. Press home button.
2. Press emergency stop button.
3. Turn off main power.



Step 2: Remove the covers.

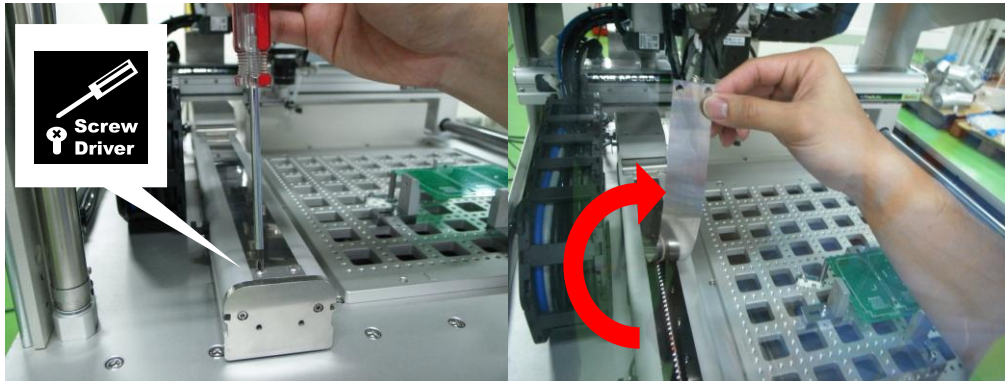


Step 3: Remove X axis/Y axis motor power cable.

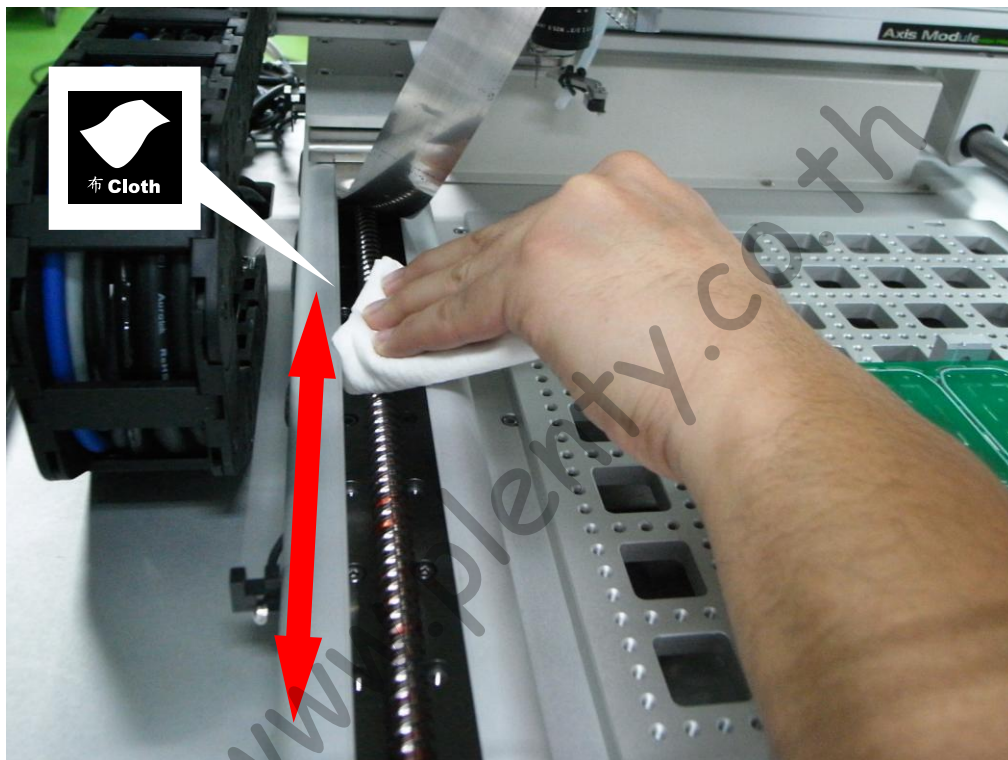


Step 4: In order to maintenance Y axis more easily, move Y axis to the back side.





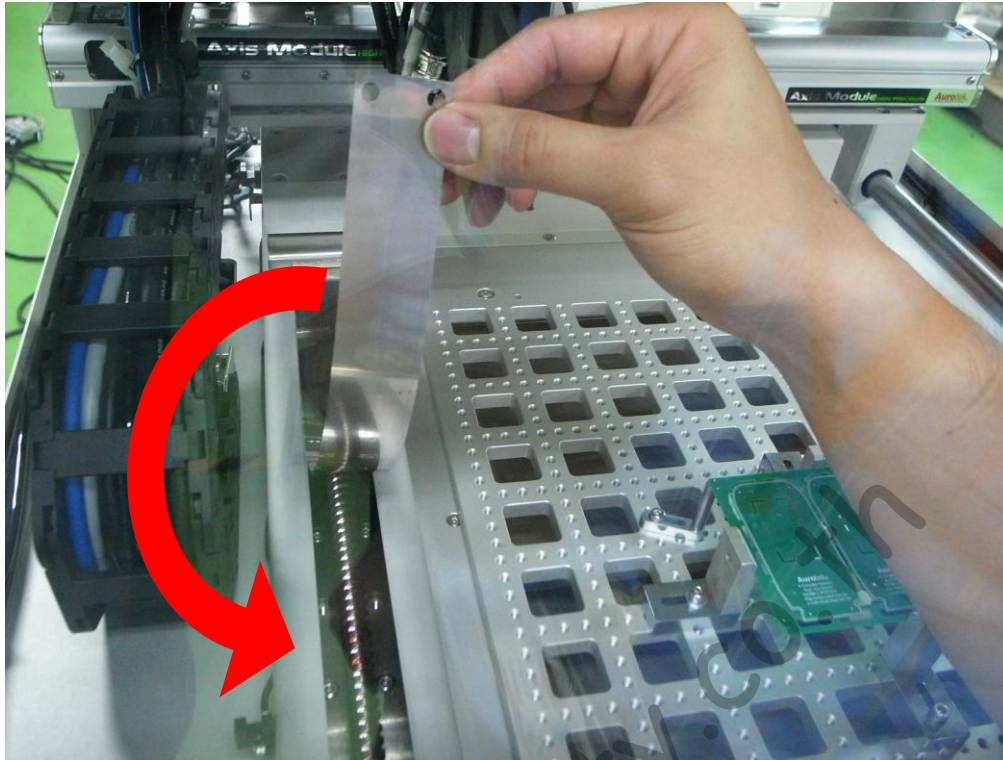
Step 5: Release screws on the silicon steel sheet and hold the silicon steel sheet by hand.



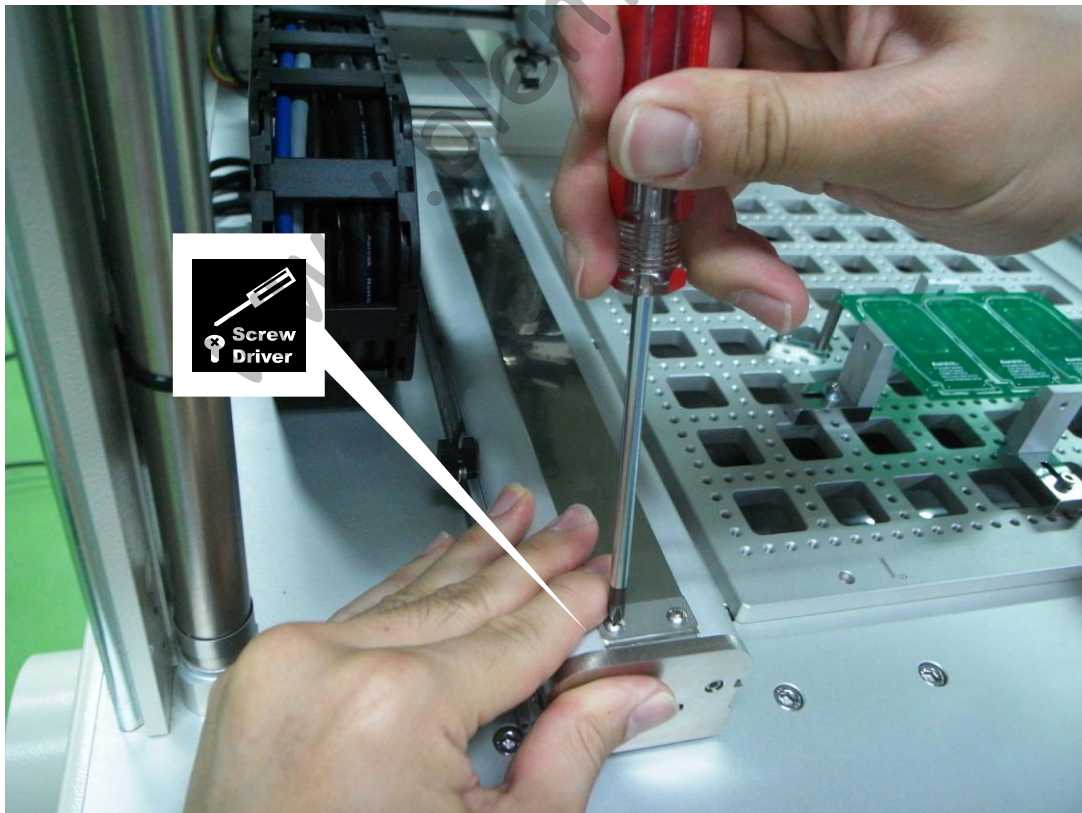
Step 6: Wipe the old grease away from the ball screw.



Step 7: Averagely smear new grease on the ball screw and wipe the excess grease away to prevent dust adhesion.

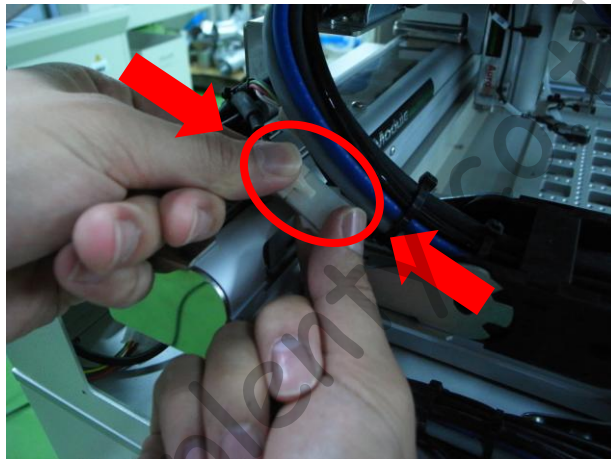
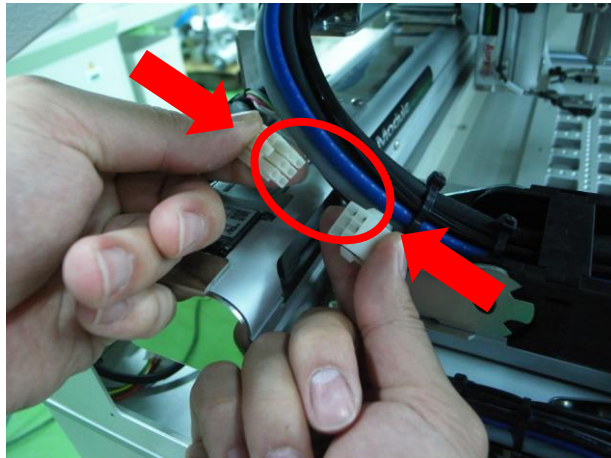


Step 8: Replace the silicon steel sheet.

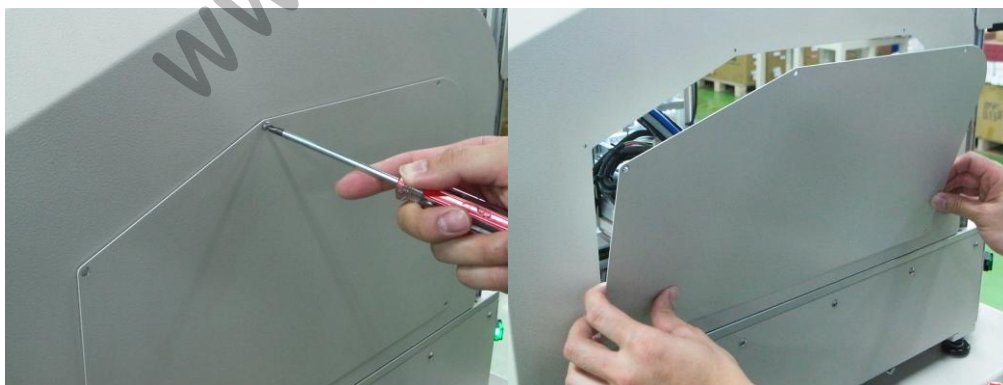


Step 9: Lock the screws.





Step 10: Connect X axis/Y axis motor power cable.

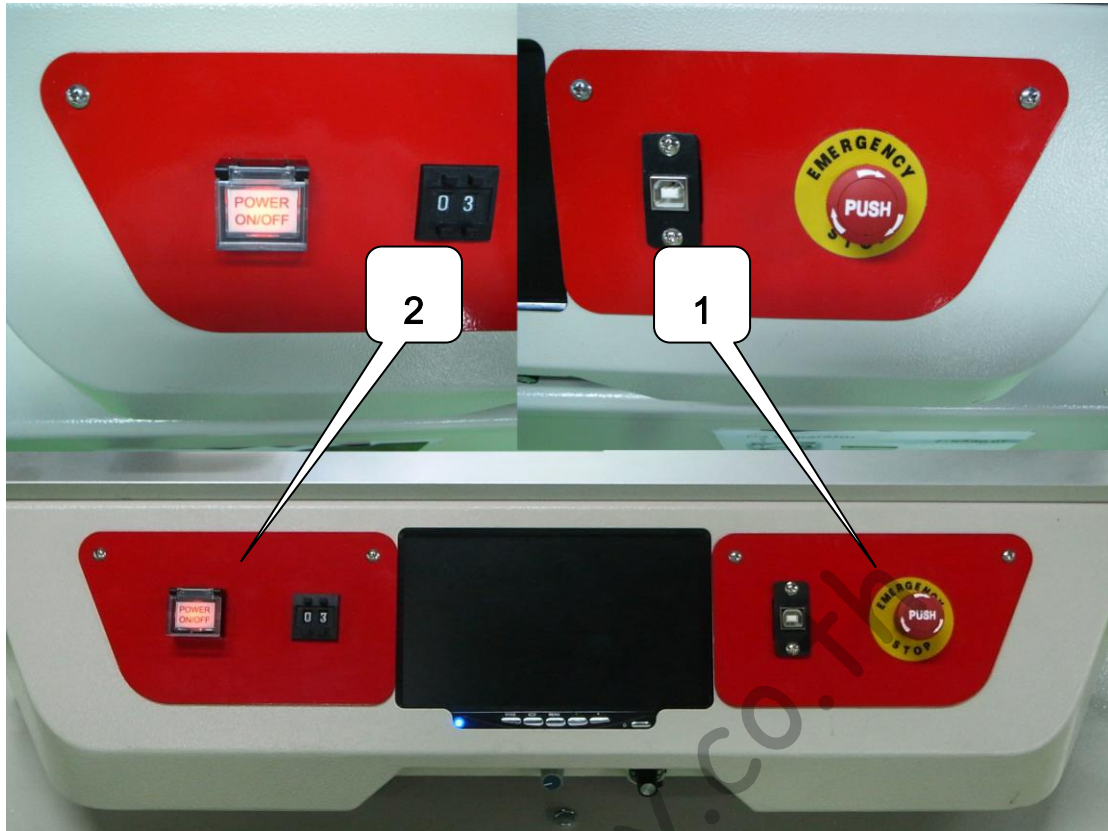




Step 10: Replace the covers.



Step 12: Check working area to see if there is any tools, dustlessness cloth etc. left behind.



Step 13:

1. Loosen EMERGENCY STOP button.
2. Turn on main power.
3. Run the trial program. If there is not any error message show up during running program, then maintenance procedure is completed.







# Dust Collector Maintenance

## 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: 7-S330DT

Maintenance tools/period: Monthly

Maintenance tools	
	Non-woven cloth , Dustlessness cloth
	Vacuum cleaner
	Gloves
	Mask



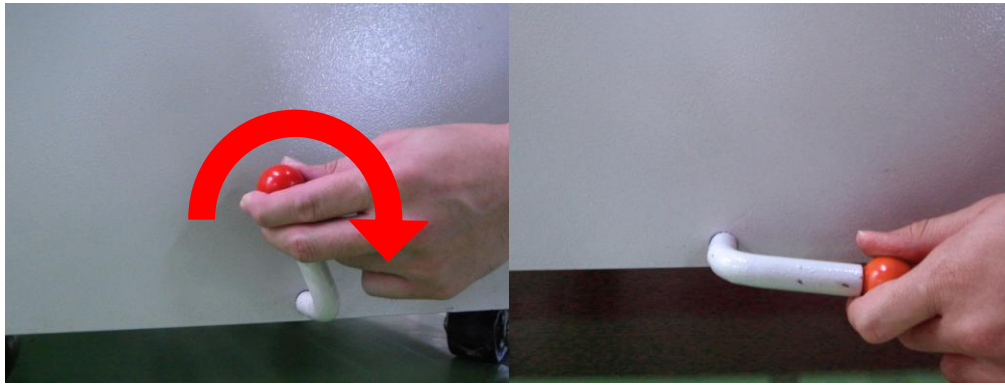
Step 1: Shake the filter bags shaking lever back and forth at least 10 times before you turn on the dust drawer.



Step 2 : Open the filters cover.



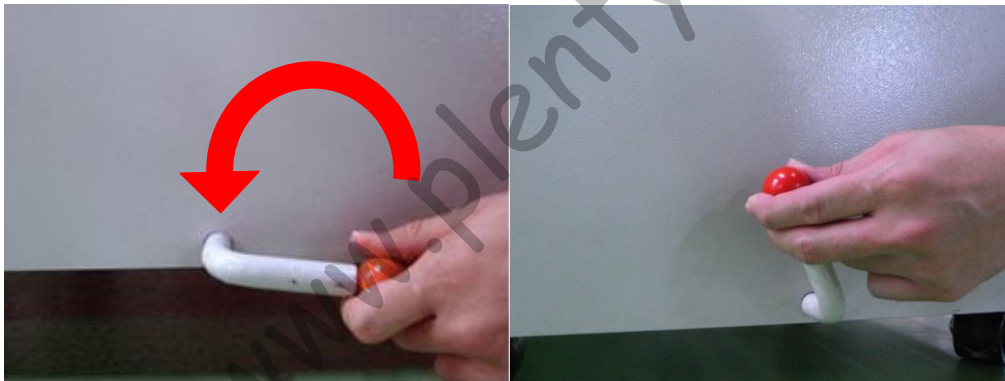
Step 3 : Shake the filters by hand to let the rest of dust fall on the dust drawer.



Step 4 : Release dust gathering drawer Locker lever.



Step 5 : Pull out the dust drawer, use vacuum cleaner to clean the dust.



Step 6 : Lock dust gathering drawer Locker lever.



Step 7 : Close and lock the filter cover.