



Lubrication Schedule for Sasso USA Revolution



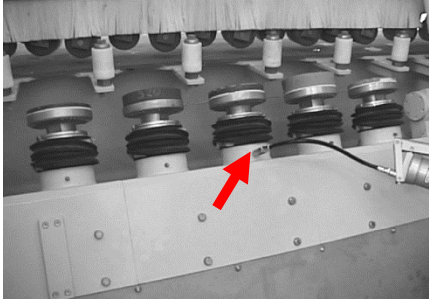


Revolution - Grease Weekly

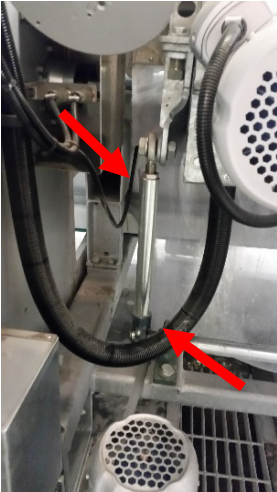
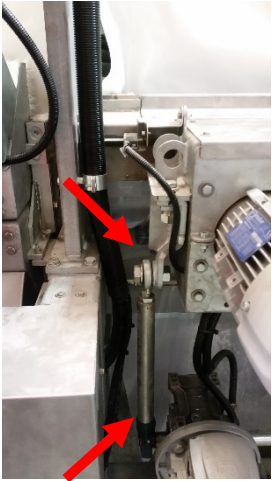
5 zerks located on above the motors for the Flat Polishing spindles.



Zerks located on each spindle of Alpha Axis polishing spindles.



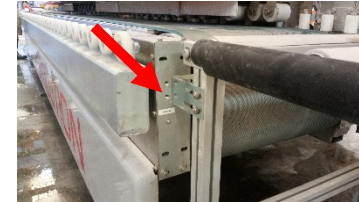
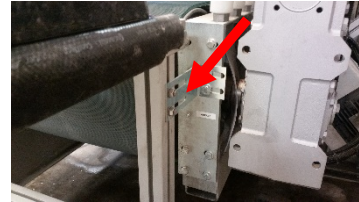
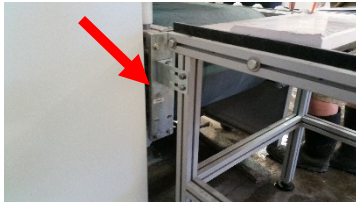
The front edge calibrator has a zerk.



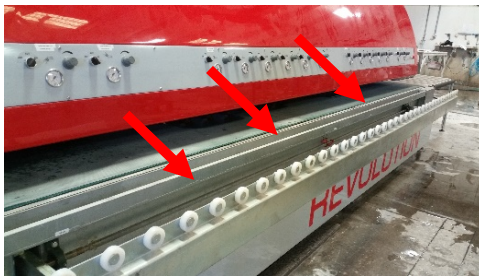
Heim joints to the right and left of the Flat Polish motors have zerks at the top and bottom of rod. Additionally, the pillow block bearing needs to be greased.



Revolution -Grease Monthly



2 zerks located at each end of the belt near the extension table leg closest to the belt.



3 zerks behind extension rollers as well as the Rod support piece.



2 belt tensioning screws located on the front and back of the Revolution on each side of the machine. Photo shows only the left front side.

Revolution - Grease Monthly



Under the red hood to the far left and right are the pistons which raise and lower the pressure bar. There is one grease fitting located at each end. It would be a good idea to raise the pressure bar to the maximum height and lower the pressure bar to the minimum height monthly. This will allow lubrication of the entire piston inside to ensure that if a different height is used than normal you will be able to use the piston in the future at different heights without problems.

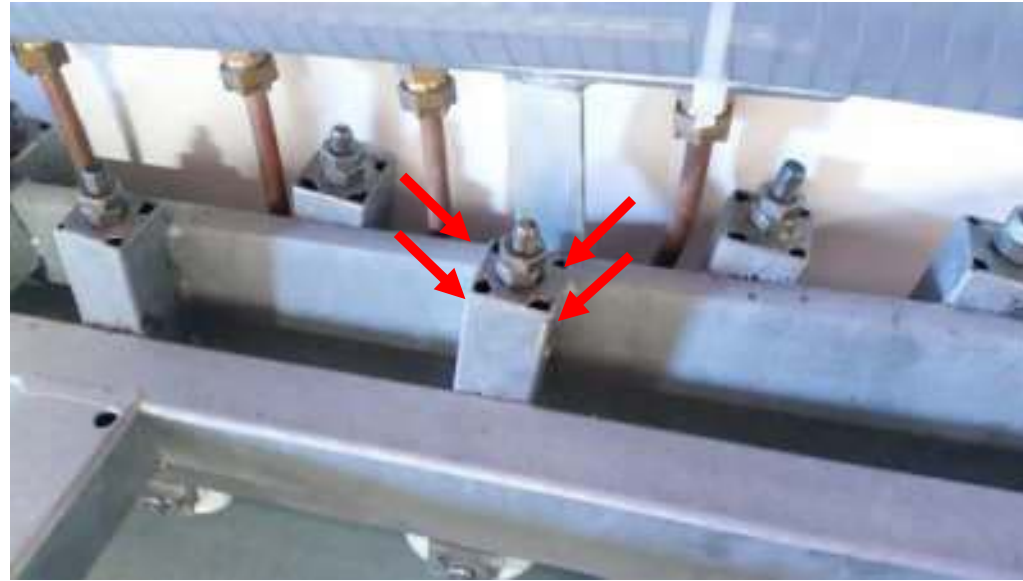


2 zerks located on the inside of Alpha Axis Polishing housing. Photos show the outside of housing for location.



Acme screws located on the back by the calibration motor.

Revolution -Grease Twice a Year



The grey rollers that are attached to the pressure bar play an important role in allowing material to move smoothly through the machine while maintaining enough pressure against the belt and securing the piece from being pushed away from the spindles. Greasing these roller forks needs to be done at least twice a year, maybe more often depending on usage. These do not have a zerkl fitting on them. The grease must be applied through the 4 holes at the top of the fork tube. Do not attempt to loosen the nuts at the top of the fork tube. If the securing nuts are removed this will change the height of the roller. At no time should these be removed or adjusted.

Revolution - Annual Maintenance

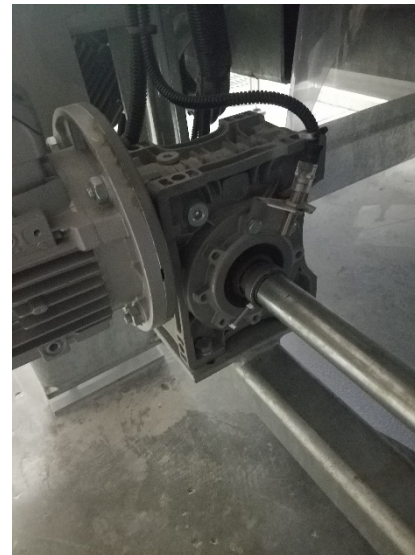
1. Replace hydraulic fluid
2. Change gear oil in central hydraulic pump
3. Change oil in gear box for belt
4. Change oil in gear box for Oscillation oil.



Central
Hydraulic Pump



Gear Box for belt



Gear Box for belt

Appendix



For weekly and monthly lubrication maintenance use an EP2 grease. The example below can be purchased through Amazon. [Chevron 238011642 Ultra Duty Grease Ep2 \(Pack of 10\)](#)



For Pressure Bar rollers, use a product like 3M 00875, a lithium grease, applied through a spray tip allows it to be easily applied to each of the 4 holes in each fork. This can be purchased through Amazon.



Hydraulic Oil can be purchased from Grainger, part number A/W Hyrdraulic Oil 68 mineral based hydraulic oil. If using something different, oil must be viscosity grade 68 equivalent.

