

Autoflow Maintenance - Machining Centre

Procedures for Maintenance of the Autoflow Machining Centre Module

 Difficulty **Medium**

 Duration **2 hour(s)**

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Comments

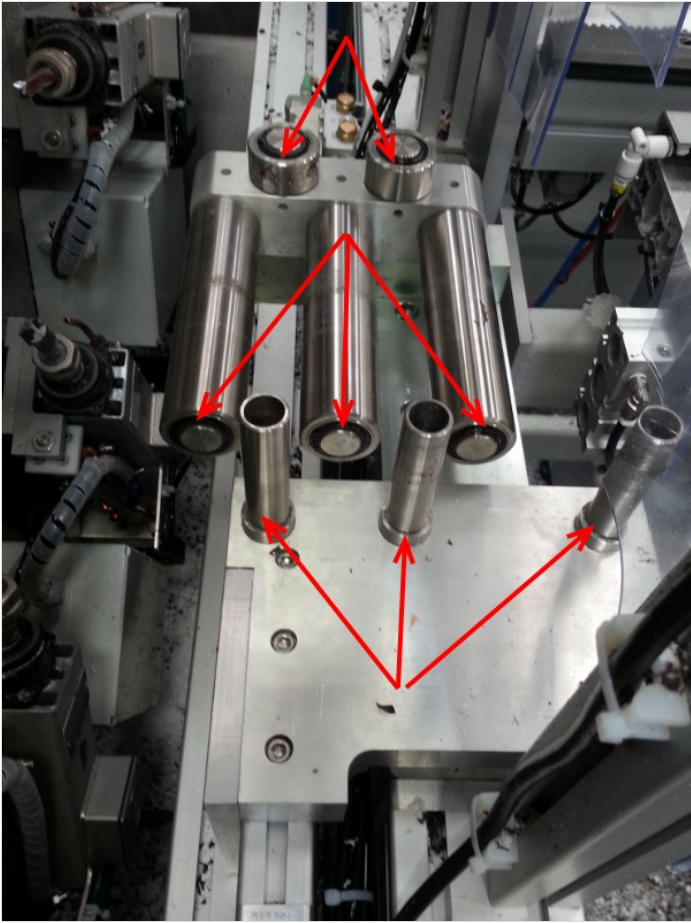
Introduction

The Machine has many moving parts, all which need regular maintenance. Below outlines what items need particular attention:

Step 1 - Infeed Clamp Vertical and horizontal rollers

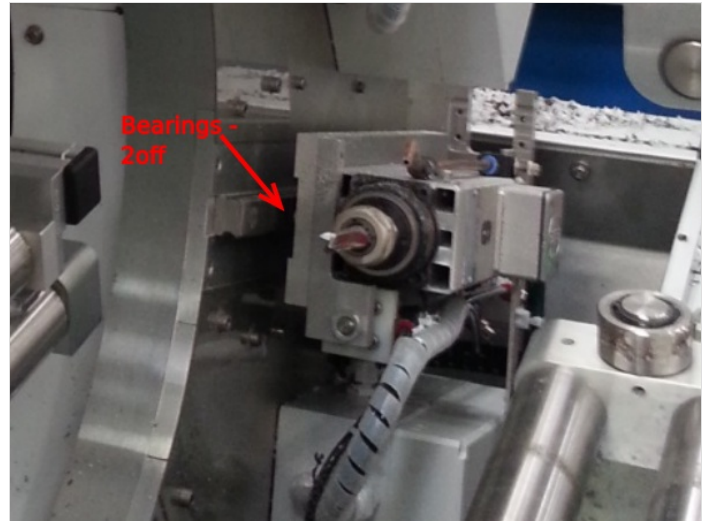
- Remove any tape or debris which may have become entangled in the rollers.
- Apply oil to top and side of roller units and then slowly spin them for a few revolutions to allow the oil to penetrate the bearings
- Lubricate slideways and shafts





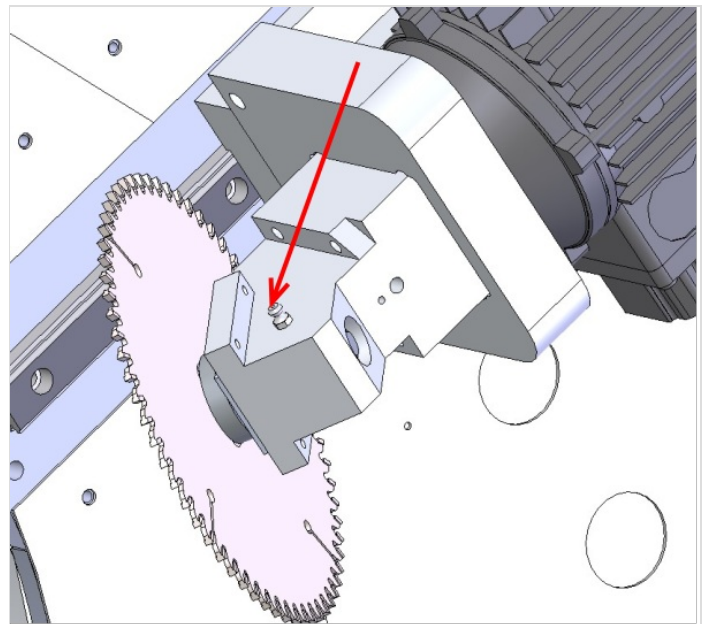
Step 2 - Spindle Motors

- Ensure that each spindle will turn freely with no grinding noise when rotating, check cutters for chips or damage, check V – Notch blades for chipped or damaged teeth
- Check Spindles slide freely in and out on full range of movement
- Check Electrical trunking
- Lubricate slideway bearings



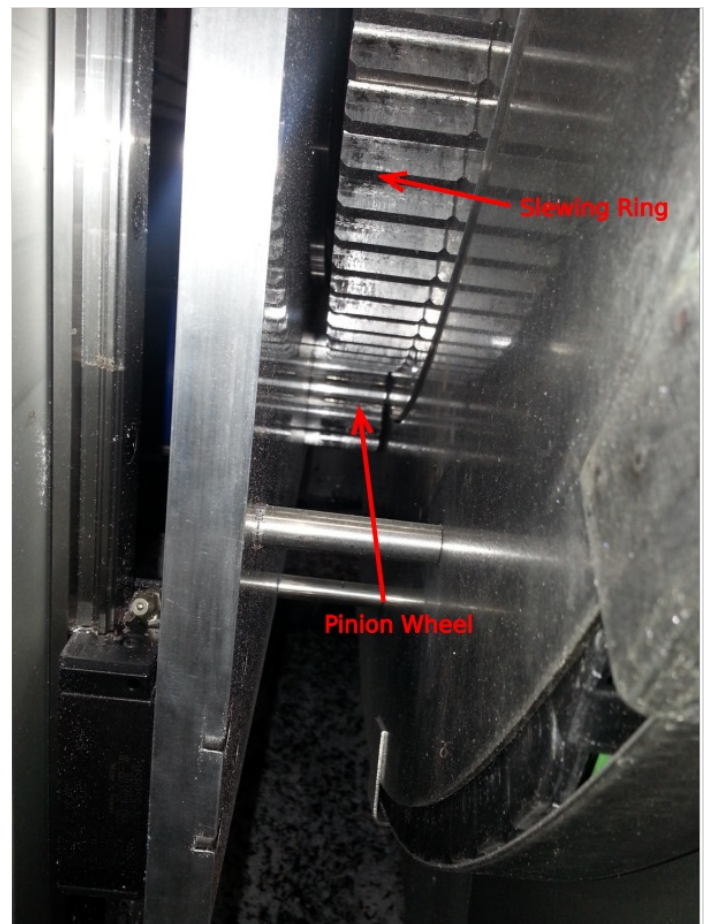
Step 3 - V Notch Axis Gearboxes

1 Pump Grease



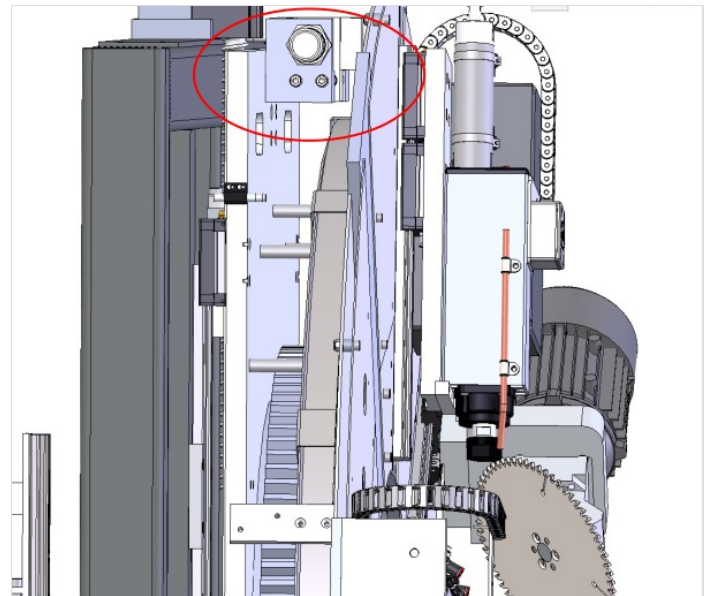
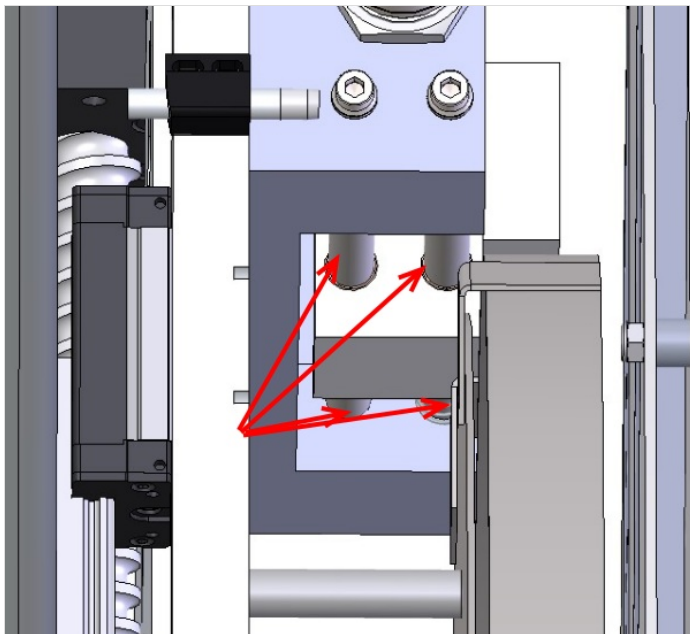
Step 4 - Slewing Ring and Pinion wheel

Visually check pinion wheel and slewing ring for any damage, chips or cracks, remove any debris that may have become caught up in the teeth



Step 5 - R Axis Datum Assembly

Lubricate shafts and ensure smooth motion

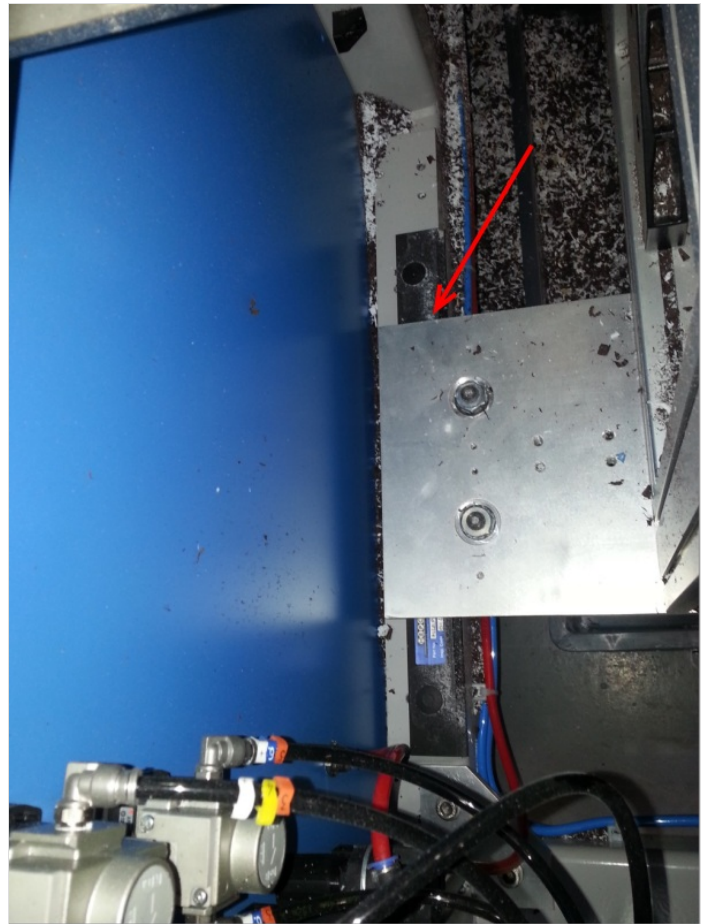


Step 6 - Y Axis Rails

4 off Located at the bottom of the machining centre cabinet.

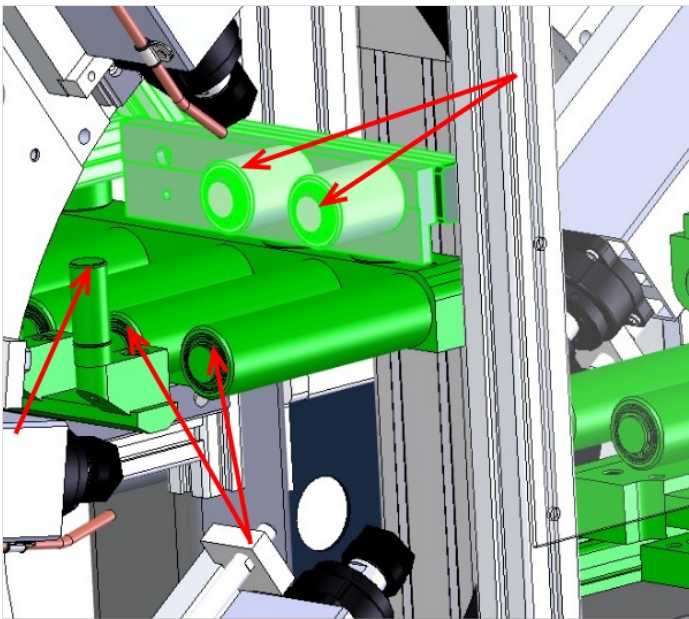
Clean away any debris

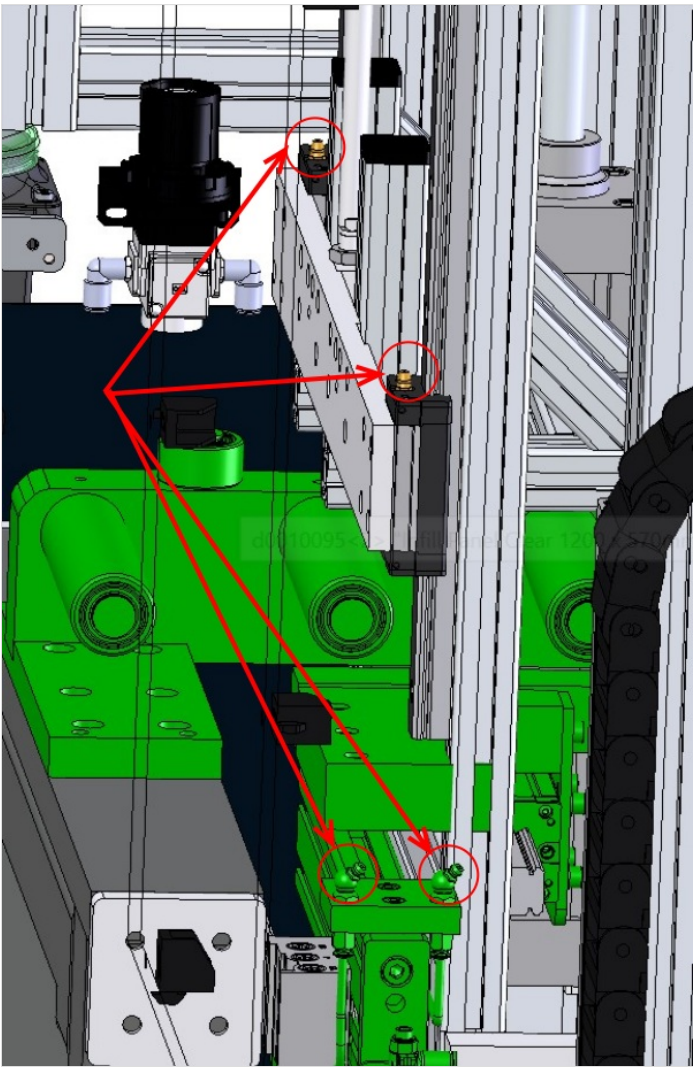
Lightly oil rail surface with supplied oil



Step 7 - Outfeed Clamp Vertical and Horizontal Rollers

- Remove any tape or debris which may have become entangled in the rollers.
- Apply oil to top and side of roller units and then slowly spin them for a few revolutions to allow the oil to penetrate the bearings
- Lubricate slideways and shafts

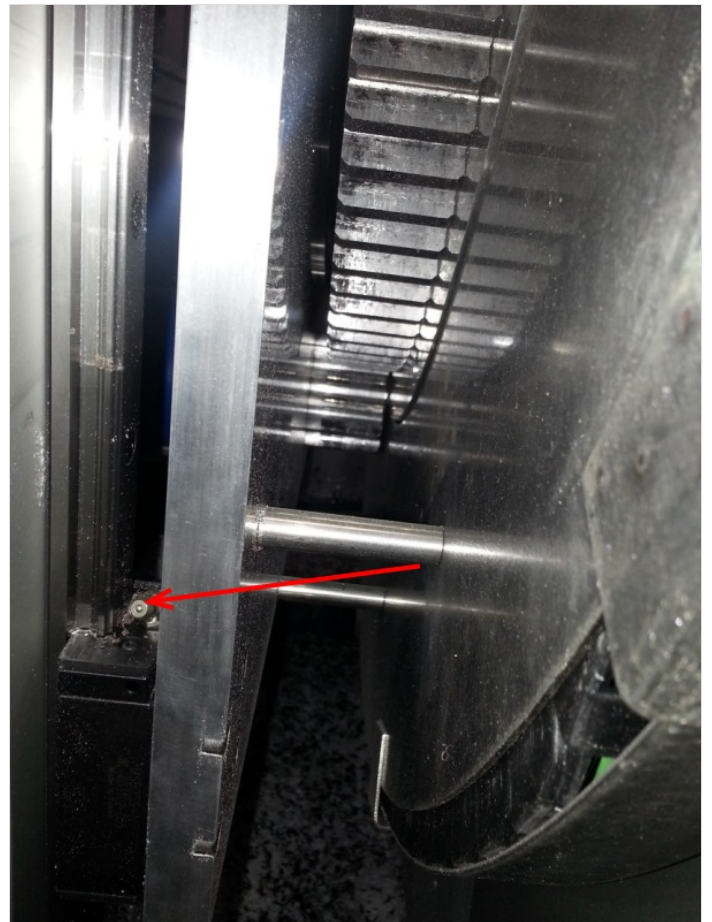




Step 8 - Z Axis Linear Bearings

4 off

1 - 2 pumps of grease via grease nipple, wipe away any excess grease



Step 9 - Auto lube System

Check level of grease in Auto lube

Part replacement order code is M0001047

