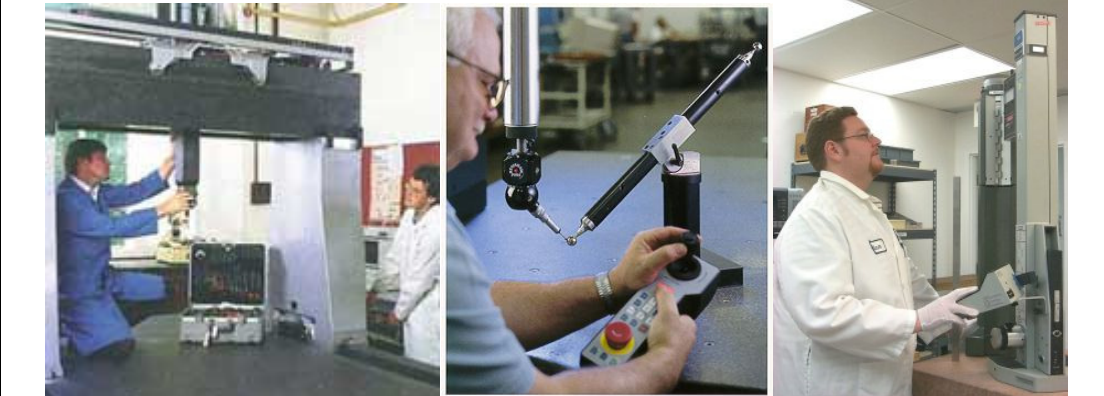


5.3 CMM Preventive Maintenance Schedule



Registered No.
2859536
VAT No.
610-690-955

! Warning:

Turn Main Disconnect Switch to OFF, when making adjustments, removing or replacing covers, guards and components and when making inspections requiring physical contact with the machine. Some inspection and adjustments require that the Main Disconnect Switch be in the ON position to provide necessary power. In such cases, use extreme caution to prevent personal injury.

Daily or Every 8 Hours

- Make a visual inspection of the machine. Look for loose or damaged parts, unusual noises or vibrations.
- Check guards and covers. Repair any that are damaged. Replace any that are missing.
- Clean the surface of the granite work table with aviation gasoline or denatured alcohol. Use a clean, soft, lint-free cloth (for example, medical gauze or equivalent)
- Clean the guideways of all axes.
- Check the value of the pressure on the gauge of the pneumatic control unit.
- Check the devices for automatically and manually unloading the filters in pneumatic control and tools present.
- Check that the ram is correctly counterbalanced (with the machine running and with the head and tools present)

CMM Preventive Maintenance Schedule cont'd

Monthly or Every 165 Hours

Keep the machine clean. Clean the structure and the painted guards of the measuring machine; use industrial detergents that are soluble in water (the use of other products may cause damage to the paintwork). While cleaning, do not touch the guideways, optical scales or belts.

- Visually inspect the machine for loose, worn or damaged parts. Tighten any loose screws or nuts. Replace any that are missing.
- Check that the cable insulation is not damaged, that there are no signs of overheating, that the connectors have caps and that the caps are not damaged.
- Check motors for overheating, by resting your hands on the guards or on the areas immediately around them. Be sure that all safety rules are followed when performing maintenance operations.
- Clean the primary filter of the pneumatic control unit.
- Check the condition of the secondary filter of the pneumatic control unit.
- Clean the optical scale and the guideways of the Z axis.
- Apply a film of Kluber Microlube GL261 grease to the steel cable that constitutes the rod of the counterbalance cylinder.

Every Three Months or 500 Hours

- Make a visual inspection of the machine. Check for loose or damaged parts, unusual noises or vibrations. Tighten any loose screws or nuts. Replace any that are missing.
- Check the guards and covers. Repair any that are damaged. Replace any that are missing.
- Visually check all electrical switches and pushbuttons to make certain they are functioning properly and there are no broken, cracked or loose components.
- Check to be sure that each axis is functioning properly.
- Check that the air pipes are intact and that there are no air leaks.
- Check that the cables are not damaged or worn. If any defects are found, inform Status Metrology Solutions without delay.

Every Five Months or 850 Hours

- Replace the two filters of the pneumatic control unit.