MAINTENANCE SCHEDULE

Maintaining your machine as per the schedule documented in this manual will help prolong the life of the machine and aid in the production of precision work pieces. It should be noted that the maintenance schedules listed herein, are intended to be used as a guide. The environment and working conditions of your shop must be taken into consideration.

Daily Maintenance

Perform these maintenance tasks at the beginning and at the end of work.

Start of Work

1. Lubrication System
   - Check for oil level
   - Pressure build up during hand pumping
   - Check for distribution film of oil on all sliding surfaces
   - Check for leaks
   - Verify lube/pump operation

2. Cutting Tools & Tool Holders
   - Tighten the drawbar
   - Tighten work holder devices
   - Replace worn tool pump and motor

3. Coolant Level (Optional)
   - Remove / Check pump and motor

4. External wiring & cables
   - Check fit of cable connections
- Check for damage cables

5. Spindle
- Clean the spindle taper
- Test run the spindle

6. Machine-General Condition
- Check entire machine for loose or missing fasteners
- All of the oily matter, chips, etc, on the machine should be removed completely and put a thin lubricating oil on the sliding surface of machine to prevent the corrosion.

**Monthly**

**Mechanical**

- Tool holders / Drawbar
- Check for breakage and Thread damage
- Inspect drive belts
- Inspect way covers and wipers
- Check drawbar height

**Electrical**

- Motor
- Check for condition and testing
- Check voltages
- Check limit switches/safety locks
Every Three Months

Electrical

1. Electrical Cabinets
   - Check for cleanliness
   - Check and secure any loose connections
   - Inspect connections/terminals
2. Electrical Elements
   - Check for proper working of Push button switches or Rotary Switches
3. Proximity Switches
   - Check for proper operation

Every Six Months

Mechanical

1. Axes Backlash
   - Check and compensate if necessary per the directions on page 6-6, after consulting with the factory. (Page 9-6)

2. Ball Screw Guards
   - Check Condition

3. Drive Belt
   - Check Condition
   - Check Tension

4. Gib Adjustments
   - Check table motion for fish tailing movement and adjust as per the directions on page 6-10.

5. Machine base / Table
   - Check for level and mounting bold loosening