



## Annual Preventative Maintenance

Maintenance to be Performed by an Experienced Technician Once Per Year on all Steampunk Machines

- **Review Technical Bulletins**
  - Detailed technical bulletins can be found on our website, listed below
  - Check for any relevant updates
- **Perform Basic Quarterly Maintenance**
  - Deep clean outside of machine, rebuild pistons, and inspect drain system for proper pitch and clogs
  - Pour spout and slider block rebuilds are part of the full crucible rebuild:
- **Remove and Rebuild Crucibles**
  - Completely disassemble crucible bolts, flanges, rods, O-rings, check valve, and pour spout internal
  - Replace all O-Rings found in the crucible O-Ring kit
  - Clean all glass and stainless parts
  - Apply food-grade Loctite (HW-248) to all relevant threads
  - Reassemble and confirm that torque on all crucible bolts/glass is exactly 0.5 N-m (4.5 inch-lbs)
- **Actuator Rod Maintenance**
  - Remove 3x OR-007
  - Clean actuator rods
  - Apply food-grade grease (HW-249) to rod and inside O-ring grooves
  - Install 3x new OR-007 per rod
  - Spread HW-249 around O-rings
- **Reinstall Crucibles**
  - Carefully reattach crucible to arch
  - Run five-minute vacuum tests on each crucible
- **Inspect All Fittings**
  - Inspect all machine fittings for mineral buildup or leakage
  - Pay careful attention to all Teflon compression fittings
- **Boiler Maintenance**
  - Depressurize and drain boiler
  - Replace pressure relief valve
    - FT-033 for 3/8" BSP fittings
    - FT-034 for 1/4" BSP fittings
    - *Consult technical bulletin concerning PRV update*
  - Clean thermistor
  - Clean fill probe
  - Inspect heating element and boiler for mineral buildup
- **Water Quality Assessment**
  - Change filters
  - Check water filtration quality, pressure (60+ psi), and flow rate (6+ liters/minute) according to Steampunk specifications
- **Calibrate Machine**
  - Check pressure regulator box for proper calibration
  - Discuss ongoing issues with customer and contact Alpha Dominche with any questions or concerns

**Notes: Full annual PM should take ~120 Minutes per crucible for an experienced technician**  
**Technical Support Resources can be found at [http://alphadominche.mobi/techsupport\\_eng/](http://alphadominche.mobi/techsupport_eng/)**