

Maintenance Service Description for MAGNUM

Our maintenance service ensures optimal performance and longevity for your 3D printer. Here's a detailed breakdown of the tasks we undertake:

- **Cleaning and Maintenance of Cable Chains:** Regular cleaning and inspection of cable chains to ensure smooth operation and prevent any issues caused by dirt or debris accumulation.
- **Cable, Air Hose, and Water Hose Inspection:** Thorough examination of cables, air hoses, water hoses, and material feeding tubes to identify any signs of wear, damage, or blockages.
- **Fan Inspection:** Checking the condition and functionality of fans to prevent overheating and ensure proper ventilation within the printer.
- **Filter Inspection and Replacement:** Examination of filters to assess their condition and replace them if necessary, ensuring efficient filtration and air quality.
- **Coolant Liquid Check and Refill:** Verification of coolant levels and replenishment if needed to maintain optimal cooling performance.
- **Coolant Filter Cleaning:** Cleaning of coolant filters to remove any impurities and maintain the effectiveness of the cooling system.
- **Water Separator and Air/Vacuum Filter Inspection:** Inspection of water separators and air/vacuum filters to ensure proper functioning and prevent any disruptions in the printing process.
- **Belt and Linear Unit Protection:** Inspection and protection of belt mechanisms and linear units to prevent damage and ensure smooth movement.
- **Inspection and Lubrication (if needed) of Linear Units:** Application of lubricants to linear units to reduce friction and prolong their lifespan.
- **Material Feeder Inspection:** Checking the condition and operation of material feeders to prevent jams and ensure uninterrupted printing.
- **Extruder Examination:** Comprehensive examination of extruder components to ensure proper functionality and alignment.
- **Extruder Heater and Temperature Sensor Check:** Verification of extruder heater and temperature sensors to maintain accurate temperature control during printing.
- **Bed Heater and Temperature Sensor Check:** Inspection of bed heater and temperature sensors to ensure consistent bed temperature for optimal adhesion.
- **Window Securement:** Checking and securing windows properly, with adhesive if necessary, to prevent any loosening during operation.
- **Vacuum Table Rubber Seal Replacement:** Replacement of rubber seals on vacuum tables to maintain a proper seal and ensure effective material adherence.
- **Machine Measurement and Calibration:** Precise measurement and calibration of the printer to ensure accuracy and reliability in printing.
- **Bed Calibration:** Calibration of the print bed to ensure proper levelling and adhesion for high-quality prints.

By adhering to this comprehensive maintenance schedule, we guarantee that your 3D printer operates at its peak performance, minimising downtime and maximising productivity.