

Alveolab Preventative Maintenance

Protect Your Investment

Protecting your equipment investment is important for maximizing uptime and productivity, and lengthens the life of your instrument. Aftermarket services are essential for getting the most value from your purchase, which is why KPM Analytics offers a broad range of services to support you throughout the lifecycle of your product – from proper installation and training, to preventative maintenance, replacement parts, and custom service programs. Product quality must meet your standards, every shift, every day, and downtime must be kept to a minimum. KPM is committed to helping you keep operations running smooth and producing high-quality products for your customers.

Alveolab Routine Maintenance Services

The Chopin Alveolab Preventative Maintenance service will include all steps and parts that we believe are necessary to provide a high level of confidence in the optimal operation of your device.

Inspection & Calibration

As part of the Alveolab Preventative Maintenance service, our technician will disassemble and clean your device to allow for a full inspection. Our technician will also perform a full calibration of your device to ensure it is operating within the required specifications. All mechanical and electronic parts will be inspected and tested. All tubing will be replaced. The device will be completely inspected for signs of air and water leakage, as well as mechanical wear. Defective parts will be replaced, possibly at an additional fee. Please be aware that certain parts, such as electronic boards, cannot be inspected for problems. They will not be replaced unless specific problems are identified.



Operations To Be Completed

Replace all consumables and standard wear parts including wired solenoid valve, gaskets/seals, humidifier, scraping arm motor, mixing bowl locking knobs, extrusion passage cover, tubing, and machined mixing blade.

Alveolab Mixer Side Checks and Adjustments

- Thoroughly clean and check the condition of the mixing bowl, mixing blade, extrusion passage
- Vacuum the dust around the vents and clean the Peltier module
- Validate proper operation of the temperature control system including solenoid valves: (kneader, resting chamber, coolant, and ambient)
- Inspection of the resting chamber doors
- Verify proper operation of the system control panel
- Check all connections in coolant loop for leakage, replace parts as necessary
- Saltwater pump cleaning and installation of the new pump seal kit
- Water dosing calibration

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Alveolab Side Checks and Adjustments

- Remove top cover of the Alveolab then visually verify the condition of the air circuit, inspecting for leaks, replace lab parts as needed
- Check the alignment of the dough holder in the loading position, and correct operation of the patty dough holder, patty press plate motor, and scraper motor
- Clean air-flow valve and re-calibrate system to provide factory calibration to 92 lpm high side and 60 lpm low side flow
- Check stability of the low side pneumatic inflation module at 60 lpm
- Clean the Peltier module
- Check temperature and humidity control in the Alveolab's chamber

Software & Firmware Checks and Updates

- Update software & firmware to the latest available version, if applicable
- Verify the configuration of the client PC

Verification of results

- Using the strong and weak Chopin flour reference samples, check the calibration of the device and recalibrate if necessary
- Customer will be provided with a certificate of calibration
- The inspection may determine that additional parts are required to ensure proper operation. If inspection indicates that additional parts are required, the owner of the device will be contacted for approval. These parts will be replaced as part of the maintenance and invoiced separately.

Warranty: All parts and labor are fully warranted for a period of 3-months from date of service.

Service Expertise

KPM Analytics is a global leader in scientific instrumentation, providing a comprehensive range of products and services to uniquely solve our customers' challenges. We are built on the foundation of eight strong brands, offering over 40 instruments for quality analysis. KPM Analytics understands your challenges. We have up to 100 years of experience in the industry and are proud to have a one-of-a-kind team of global experts in quality analysis and food production.

KPM Analytics

8 Technology Drive | Westborough, MA 01581 USA
Phone: +1.774.399.0500
www.kpmanalytics.com | sales@kpmanalytics.com

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Contact KPM Analytics today!

www.kpmanalytics.com
service@kpmanalytics.com