

Preventative Maintenance Schedule for Ultrasonic Cleaning Machines

Daily Maintenance

| <i>Task</i> | <i>Description</i> |
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| Inspect the tank | Check for debris, residue, or foreign objects. Empty and clean the tank if necessary. |
| Check solution levels | Ensure cleaning solution is at the correct level for effective cavitation. |
| Check water level sensors (if applicable) | Confirm sensors are clean, unobstructed, and functioning properly. |
| Inspect baskets | Make sure baskets are intact, clean, and properly seated. |
| Wipe down surfaces | Clean exterior surfaces to remove spills and prevent buildup. |
| Check cycle functionality | Run a short test cycle to ensure ultrasonic activity, heat, and timers are operational. |
| Drain and replace solution (if needed) | Replace solution if heavily soiled or at the end of a shift (especially for precision cleaning tasks). |

Weekly Maintenance

| <i>Task</i> | <i>Description</i> |
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| Thorough tank cleaning | Fully drain (if needed) and wipe the tank with a soft cloth. Avoid abrasive tools. |
| Inspect transducers | Listen for irregular sounds or signs of uneven cavitation; look for physical damage. |
| Check cables and plugs | Look for wear, fraying, or loose connections. |
| Inspect filters (if equipped) | Clean or replace filters in machines with agitation/filtration systems. |

Monthly Maintenance

| <i>Task</i> | <i>Description</i> |
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| Verify ultrasonic output | Use a foil test or cavitation meter to assess uniformity and effectiveness. |
| Check for leaks | Inspect around the tank and fittings for any signs of leakage. |
| Inspect heater function | Ensure the heating system reaches the set temperature and holds it steadily. |
| Check agitation shaft seals (if applicable) | Inspect seals for signs of wear or leakage around the agitation shaft. |

Quarterly Maintenance

| <i>Task</i> | <i>Description</i> |
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| Inspect internal components | Have a technician check wiring, relays, and internal circuits. |
| Replace worn components | Replace Gaskets, Seals or Filters if deterioration is observed. |
| Safety review | Confirm compliance with lockout/tagout procedures and electrical safety protocols. |