Roland DWX-53D

MILLING MACHINE (DRY) MAINTENANCE SCHEDULE

The DWX-53D is a 5-axis dry mill for zirconia, PMMA, wax, composite and more. Milling waste is the main threat to accuracy, so clean the milling and tool areas after every session.

DAILY

- After milling, run Milling Area Cleaning in VPanel with the dust collector on and brush the clamp, spindle tip and collet area.
- Remove the dust-proof cover to brush out waste behind the clamp, then reattach it.
- Clean the tool area: milling bur stocker, dummy pin stocker and around the milling bur sensor.

WEEKLY

- Clean milling burs so they are detected reliably.
- Inspect burs for wear or chipping; Intelligent Tool Control in VPanel tracks tool life.
- Empty the dust collector and check its filter.

MONTHLY

- Perform collet maintenance once a month, or after every 200 hours of spindle working time.
- Check the air regulator bowl and clean it if water or dust has collected.
- Check VPanel for software and firmware updates.

AS NEEDED

- Run spindle run-in (warm-up) after long idle periods or before milling on cold days.
- Run automatic correction after moving the machine or if the milling position is off.
- Keep the detection pin and automatic correction jig clean and stored in their case.



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