Roland DWX-43 (Wet)

MILLING MACHINE (WET) MAINTENANCE SCHEDULE

TheRoland/DGSHAPEDWX-43Wisawetmillingsolutionforzirconia,glassceramics, PMMA, and titanium abutments.Its auto-rinseandcoolant-drainingcyclereducemanualupkeep,butthe milling chamber, burs, and coolant system stillneedregularattention.

DAILY

- Follow the on-screen Daily Maintenance routine in VPanel before the first job of the day.
- Open the front cover and wipe down the spindle head and rotary axis areas with a dry cloth — fluid and milling waste here can affect milling accuracy.
- Inspect milling burs in the ATC magazine for wear, breakage, or buildup.
- Check coolant tank level and top off as needed; the auto-rinse cycle runs roughly every 12 hours.

WEEKLY

- Clean the coolant nozzle to ensure consistent spray coverage during wet milling.
- Wipe the front cover window with a dry cloth only — do not use solvents, as the window scratches easily.
- Inspect the workpiece holders and mounting screws for wear or looseness.

MONTHLY

- Run spindle run-in (warm-up) and the automatic correction routine in VPanel.
- Replace or clean coolant tank filters per usage volume (Filter-Free models manage this automatically — confirm model configuration).
- Check DGSHAPE CLOUD/VPanel maintenance dashboard for tool-usage alerts and firmware updates.

AS NEEDED

- Replace the coolant fully when it becomes discolored or cloudy, and clean the tank at the same time.
- Retighten or replace the collet if chatter or inaccurate milling is observed.
- Contact service if the spindle reports overload errors repeatedly — this can indicate a worn spindle or bur mismatch.



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855-669-2533