

TensilePolish - FAQs

1) What are the power and amperage requirements for TensilePolish?

The power requirements are 230V AC, 50–60Hz, single phase, with a power consumption of 1.8 kW. Estimated amperage is approximately 7.8 A at 230V.

2) What type of receptacle is recommended for installation?

A standard 230V AC receptacle is recommended. It should be rated for at least 10A to ensure safe operation.

3) What are the space and clearance requirements for TensilePolish?

The machine dimensions are approximately 33.07 in (840 mm) wide, 48.82 in (1240 mm) long, and 19.69 in (500 mm) high. Ensure at least 24 inches of clearance on all sides for safe operation and maintenance access.

4) Is a water or external cooling connection required?

No. The system operates using a dry polishing process and does not require any water or cooling fluid connections.

5) What type of surface should the machine be installed on?

A level, vibration-free surface capable of supporting the machine's weight and dimensions is recommended. Avoid installing near sources of moisture or direct sunlight.

6) Are special tools required for setup or maintenance?

No special tools are required beyond standard shop tools. Block adjustment tools for clamping are included with the machine.

7) Does the system require computer or software installation?

No external computer is required. The machine comes with an integrated touchscreen interface and pre-installed Control software.

8) Does the TensilePolish system require a water connection?

No water connection is required. The TensilePolish also uses dry polishing techniques like the standard system.

9) What types of fixtures are included for specimen mounting?

The system includes fixtures for both cylindrical and flat specimens. Tools for mounting small specimens are also included.



10) What are the common consumables and are they readily available?

Aluminum oxide sandpaper (P320, P600, P1000/1200, P2000) is commonly used and widely available in cloth or paperback forms.

11) What are the common spare parts and are they readily available?

Common parts include stepper/servo motors, timing belts, bearings, fuses, safety relays, limit sensors, and touchscreens. Most components are standard and can be sourced easily.



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