

SFQ Machinery Operation Manual (Sample)

Safety · Installation · Daily Maintenance · Troubleshooting

This is a sample of the operator manual structure shipped with every SFQ Machinery machine. The full manual is supplied in printed form and as PDF with each delivery.

1. Safety

- Only trained and authorized operators may operate the machine.
- Always wear safety glasses and work shoes in the machining area.
- Keep hands away from the chuck and tooling while the spindle is rotating.
- Use the emergency stop button (red, mushroom type) in any unsafe situation.
- Lock out power before maintenance or cleaning.

2. Installation

- Place the machine on a level concrete foundation (min. 300 mm thickness).
- Allow minimum 800 mm clearance around the machine for service access.
- Connect 3-phase power supply per the nameplate rating; install a residual current device.
- Level the machine with adjusting bolts and anchor bolts; re-check level after one week of operation.
- First run: dry run for 30 minutes at low speed before load testing.

3. Daily Maintenance

Frequency	Task
Daily	Check oil level, coolant level and air pressure.
Daily	Clean chips and lubricate guide ways manually.
Weekly	Check hydraulic oil temperature and filters.
Monthly	Inspect belts, electrical cabinet fans and seals.
Every 500 h	Replace hydraulic return filter element.
Every 6 months	Professional electrical and mechanical inspection by trained staff.

4. Troubleshooting

Symptom	Likely Cause / Action
Machine does not start	Check emergency stop released, main breaker and safety door interlock.
Abnormal spindle noise	Check lubrication and bearing condition; contact service if persistent.
Poor surface finish	Check tool wear, spindle speed and coolant concentration.
Positioning drift	Re-run reference return; check coupling and backlash compensation.

For technical support contact service@sfqykj.xyz or WhatsApp +86 137 0000 0888. Include your machine model and serial number.