

Maintenance and Troubleshooting

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Maintenance

- **Collet:** Clean and inspect regularly; replace if worn or damaged
- **Spoilboard:** 3/4" board - monitor thickness as holes and resurfacing accumulate; resurface when uneven
- **Dust collection / dust shoe: TBD** - coming soon; add maintenance steps when installed
- **Linear rails:** Wipe down per Onefinity manual
- Report problems on Slack or to a shop officer

Troubleshooting

Symptom	Likely cause	Action
VFD fault on start	Manual mode, wrong startup order, oversized bit	Check VFD is in remote/auto mode; press reset; verify bit size
Homing fails	Obstruction, e-stop engaged, limit switch	Clear axis path, release e-stop, re-home
Wrong cut size	Inch/mm post-processor mismatch	Re-export G-code with correct post-processor
Crashes into clamps	Wrong zero or skipped simulation	Re-zero work coordinates, re-run RTS-X simulation
Loose collet / bit pull-out	Insufficient tightening	Stop job; re-seat bit with two wrenches

TBD: Dust collection troubleshooting once system is installed.

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