



Reamer and Accessories Preventive Maintenance Checklist

Daily Routine:

- Check that the consumables are aligned properly to the reamer. This helps ensure that the jaws of the reamer clamp the nozzle to the V-block correctly and that the consumables are lined up concentric to the cutter blade for optimal spatter cleaning.
- Clean the spindle cap of all spatter. Also clean the clamp jaw and V-block surfaces to gain proper nozzle alignment. Use a brush or compressed air. Look for any signs of wear on these components.
- Make sure the air-lines connected to the reamer are not damaged, as leaks will prevent the reamer from receiving enough air to remove spatter properly. Look for any damage to the interface cable as well.
- Check the oil level in the lubricator reservoir— the reamer motor depends on a consistent supply of oil. Also check the level of anti-spatter liquid in the anti-spatter sprayer. Fill as needed. An option to simplify PM of the anti-spatter sprayer is to employ a multi-feed system that allows 5- or 55-gallon drums of anti-spatter liquid to be connected to a manifold system to feed multiple sprayers on multiple reamers. This eliminates the need for daily reservoir fills.

Weekly Routine - continue to examine the integrity of the consumables:

- Inspect the cutter blades for dullness, clogging and breakage, replacing as necessary. Note the service life of cutter blades will vary based on the application.
- Check that the lubricator is working properly with the right level of oil, and clean or replace the filter as needed.
- Check the LEDs to ensure reamer and controller communication, and wipe the nozzle detect proximity sensors clean so they can function properly.
- Look over the spray head on the anti-spatter sprayer to be sure it is delivering a normal amount of liquid spray. Clean the head and adjust as necessary.
- Remove top cover of the spray containment unit and clean out any debris that is blocking the drain hole

Monthly Routine - less steps but is more intensive, may require scheduling a time off cycle to complete:

- Check that the belt tension lock screw and bolt are securely tightened.
- Examine the spindle unit for wear, replacing if necessary. Inspect the solenoid valves, spool them to check for leaks and to make sure they are operating properly.

Annual Routine:

- Inspect the drive belt for signs of fraying and replace as necessary.
- Replace the spindle cap seal and replace if damaged.
- Perform a complete cleanup of the reamer and anti-spatter sprayer.

Preventive Maintenance for Wire Cutters:

- Daily** - check the airlines and interface cable for leaks or frays. Be sure that the solenoid valve is providing air to the system.
- Weekly** - check that the cutter blades are sharp enough to cut the wire. Look for signs of dullness, looseness or breaks. Replace as needed. Also empty the wire catch basket.
- Quarterly** - apply general purpose grease (NLGI Grade 1-1) through the grease fittings on the sides of the main body of the wire cutter. This helps lubricate the sliding surfaces of the equipment.

