

CUTTING SYSTEM AUDIT CHECKLIST

While every application is different, a thorough cutting system audit should evaluate more than just the cutting cylinder itself. Consider reviewing the following areas:

Cutting Cylinder Condition

- ☐ Inspect knife edges for wear, rounding, nicks, or chipping
- ☐ Always check for chrome wear, scoring, or surface damage
- ☐ Verify critical dimensions and tolerances
- ☐ Review service history and operating hours
- ☐ Evaluate wear patterns for signs of being uneven loading

Anvil Condition

- ☐ Inspect Anvil surfaces for wear or damage
- ☐ Check for grooves, flat spots, or scoring
- ☐ Verify proper anvil geometry and dimensions
- ☐ Evaluate wear patterns relative to the cylinder

Bearings and Rotating Components

- ☐ Inspect bearings for play, vibration, or excessive heat
- ☐ Verify proper lubrication practices
- ☐ Check rotating assemblies for smooth operation
- ☐ Identify signs of premature component wear

Alignment and Mechanical Condition

- ☐ Verify cylinder and Anvil alignment (manually or based on the most recent alignment report)
- ☐ Inspect mounting surfaces and assemblies
- ☐ Check shaft condition and runout
- ☐ Confirm proper mechanical clearances throughout the system

Process Performance

- ☐ Review cut quality and dimensional consistency
- ☐ Analyze scrap and rework trends
- ☐ Evaluate operating speed limitations
- ☐ Identify recurring production or quality complaints
- ☐ Review operator adjustment frequency

Maintenance Planning

- ☐ Assess remaining service life or critical components
- ☐ Identify the components that are approaching replacement thresholds
- ☐ Review spare parts inventory and availability
- ☐ Prepare to develop a replacement plan for upcoming shutdowns
- ☐ Document recommendations and priorities

Audit Goal: Determine whether production issues are being caused by cylinder wear, another component in the cutting system, set-up, or a combination of factors, while creating a proactive plan for maintenance and replacement activities.