**Question:** What is causing an inconsistent radius after milling a circle or arc?

**Answer:** Mechanical lash in the machine or improper backlash compensation setting...

**Solutions:**
- Adjust software lash if less than 0.001". See TB037 - measuring machine lash.
- Repair mechanical if lash is over 0.001". Contact your dealer.

Drawing shows: Exaggerated example of Mechanical lash in the Y axis, with a CW cutter path.

Note: This example has no lash in the X axis.

Problem: Elliptical Shape
Cure: Adjust Pitch (turns/inch)

See TB036 - Measuring Motor Revs/inch
Problem: Steps at 0, 90, 180, 270
Cure: Reduce Lash Compensation

See TB037 - Measuring Backlash

Document History

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