

CNC Swiss Machining

Lovejoy has operated CNC Swiss machines since their introduction in the early 80's. Extensive experience with numerous cutting materials and processes allows on-machine manufacturing to extremely tight tolerances and super-fine microfinishes.

Materials machined include: Aluminum, Brass, Copper, Beryllium Copper, Carbon Steel, Alloy Steel, Stainless Steel (300 series, 400 series, Precipitation Hardened), Stressproof, Fatigueproof, Monel, Kovar, Plastics (Delrin, Nylon, Teflon, Kel-F, Peek and Vespel), Castings, and High Temperature aerospace alloys

Lovejoy CNC Swiss machining capabilities include:

- **Tornos Deco machining with Thread Whirling**
- **Diameters from 3/32" to 1"**
- **Machined Lengths to 30"**
- **10,000 RPM spindle speed**
- **Tool-to-tool indexing of < 1/2 Second**
- **Cam Swiss cycle times**
- **Multi-axis machining: X, Y, Z & C-axis capability**
- **Powered attachments for multi-operational machining**
- **High pressure coolant systems for rapid "chipless" machining**
- **Auto-bar loaders for Unattended and Lights-Out Manufacturing**
- **DNC Network for automatic upload and download of program files**
- **Tool presetting capabilities for ultra-quick change over**