

C-AXIS TECHNOLOGY SHEET

Precision Swiss Machining

World Class Facilities

C-Axis operates manufacturing facilities in Minnesota and Puerto Rico!

Contract Manufacturing

Managing the complete bill of material by purchasing, manufacturing, metal finishing, and assembly.

ISO Quality Systems

C-Axis is certified to ISO 9001 and ISO 13485 at both facilities! FDA registrar-ed at the PR facility.



C-Axis offers precision Swiss style machining capabilities for your most intricate components from the Prototype & Development Phase to High Volume Production. Swiss style machining allows us to manufacture micro precision components from an array of materials as well as hold tolerances of $\pm .0001$ ", machine diameters from $.008$ " to 1.25 ". Our Swiss machines can handle the most simple and complex geometries in the industry.

PartMaker CAD System is used to process the most sophisticated geometries.

C-Axis utilizes state of the art Vision Inspection Equipment along with Real Time SPC "Infinity QS" software for process control.

- 12 Axis machining allows different features such as cross holes, helical milling, slotting
- Swiss style machining allows C-Axis to manufacture micro precision components from an array of materials as well as hold tolerances of $\pm .0001$ "
- Multi axis Swiss style turning which also use bar feeders to keep the machines fed with material for minimal down time
- Swiss style machines are especially suited for the micro machining which is required for the Medical Device market

- Up to 12 axis
- Capacity 10mm to 32mm \square
- Finishes turned to 16 RMS
- Diameters turned to $.008$
- Cross Drilling to $.005$ "
- Synchronized Threading
- Slotting/Milling/Turning/Drilling
- Tolerances to $\pm .0001$
- Microscope at every Machine
- $.001$ Degree Indexing
- Helical Milling
- Polar Interpolation
- Concentricity to $.0001$
- Pinch Turning & Milling

