



INVENT | DESIGN | BUILD

ENGINEERING & PRECISION MACHINING

Engineering and Design



Kros-Wise is an ISO 9001 certified supplier with extensive engineering capabilities and services. Our on-staff aerospace engineers can engineer solutions, design, test and manufacture products. We have history working with the Department of Defense, NASA and Commercial Aerospace and Satellite Companies.

Services include:

- 3D CAD Design
- Structural Statics Analysis
- Structural Dynamics Analysis
- Sandwich Structures
- Acoustic Analysis
- Hygrothermal Analysis
- Bondline Analysis
- Thermal Analysis/Distortion
- Bus Power Design
- Damage Tolerance/Fatigue Annually
- Thermally Conductive Fibers



- Thermal Stability
- Structural Analysis
- Optics
- Manufacturing/Proof Load Testing
- Static Proof Test Fixture
- HexaPod Positioning Systems
- Vibration/Shock Isolation Systems
- Circuit Board Analysis
- Rapid Prototype Large Format FDM 3-D Printer
- Laser cutting – C02 Laser for plastics

5-Axis CNC Milling

Kros-Wise specializes in 5-Axis CNC milling of large prototype and production precision machined parts. Our large 5-Axis machine is capable of machining parts as large as 16ft X, 7ft Y and 5ft Z with a spindle speed of 24,000RPM to facilitate high speed machining. Our 5-Axis machine is volumetric compensated so extreme precision can be obtained over the entire build platform.

5-axis CNC milling offers flexibility, speed, and precision for customers that require highly complex parts with tight tolerances, and need those parts expedited! Kros-Wise also has HAAS VF2SSs, & VF4SSs and CNC Lathes that allow us to machine smaller parts with quick turnarounds. Our large format 3-D printers are 2ft x 2ft x 2ft to handle large rapid prototype jobs in a variety of plastic materials. Our C02 laser can cut numerous plastic sheets up to 8 ft lengths.

We have been a defense contractor since 2004 and manufacture parts for both Aerospace and Defense industries. Parts include critical fight components, airframes, impellers and blisks, lamination tooling for composite layups and much more...

Our 5-Axis CNC milling service is located in San Marcos, CA. We serve product development engineers across the United States. If you're looking for a dedicated high-quality machining shop, with fast turnaround times, request a 24-hour quote today!

