

Faculty Supervisor: Dr. Stewart Prince

1. 5 axis machining

Late in June, the Haas corporation will be installing a five-axis CNC milling machine in the lab. We will be studying how four and five axis movements can be used to reduce setup time and tolerances when applied to the manufacturing of mechanical elements.

2. Design and testing of an enhanced intake manifold

Continuing with the work that one of the AIMS cohort students did last summer, we are attempting to improve our design by casting and testing a new intake manifold for an internal combustion engine. The study will place emphasis on testing and comparison of the old and new designs.