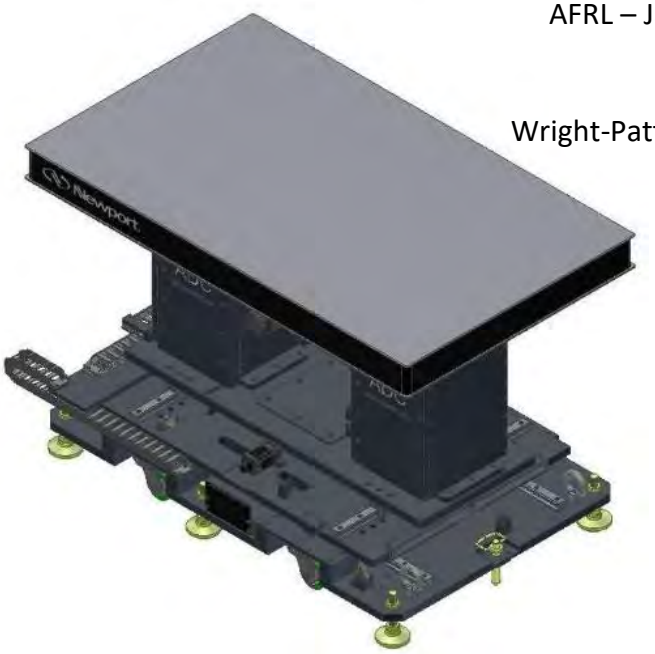
The Air Force Office of Scientific Research (AFOSR)
3-Axis Optical Table

Customer:
AFRL – Jacobs Technology Inc.
2145 Fifth Street
Building 24 C, Area B
Wright-Patterson AFB OH, 45433



3-Axis Optical Table built for The Air Force Research Laboratory (AFRL-Jacobs Tech) was designed for use in PIV experiments. The Newport optical breadboard provides a rigid surface for mounting and supporting measurement equipment. Utility Jacks each have a load capacity of 25kN. Each linear slide is actuated by precision ground ball screws and supported by caged ball linear guide rails. To learn more about AFRL-Jacobs Tech please go to: http://afrl.dodlive.mil/

This custom controller driver was controlled in either of two modes. The first mode used a 3-axis analogue joystick interfaced directly to a Galil DMC-4133 controller. In this mode a personal computer is not required. The second mode used a custom graphical user interface control written in LabVIEW for the project. This software is compatible with Windows XP through Windows 7.