



Customer:

Sincrotrone Trieste S.C.p.A.
S.S.14 km 163,5 in Area Science Park
34149 Basovizza Trieste
ITALY



Motion stages for the Elettra synchrotron in Trieste, Italy, were designed and built to hold another set of stages (shown in red above) which manipulate a sample for X-ray experiments. The lift stage arrangement was selected to produce a more compact total height than if a more conventional jack stage was placed directly under the hexapod. The ADC stages are positioned using ball screws driven by stepper motors, with right-angle gearboxes to keep the overall size as small as possible. Incremental linear encoders are installed to provide position feedback for the control system.

