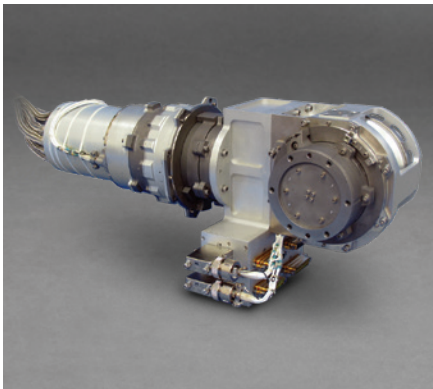


## TYPE-55 BIAXIAL GIMBAL ASSEMBLY



The Type 55 biaxial gimbal assembly is a robust two-axis gimbal which is right-sized for supporting and positioning the majority of larger payloads. It is based on the Moog Type 5 rotary incremental actuator. The gimbal can be configured for limited rotation, with the inclusion of range-defining hard stops on the actuator outputs, or, for continuous rotation on one or both axes with the integration of a slip ring assembly.

A variety of accessory devices is available for position feedback - potentiometers, optical encoders, or sine-cosine resolvers. Selecting a qualified unit in its existing configuration will have cost and schedule benefits; however, the modular construction of the gimbal makes substitutions and modifications to meet mission requirements easy to implement. Options include launch latching mechanisms if the payload itself is not restrained at launch. Typical Type 55 gimbal performance specifications are shown in the table below. The unit is driven by the standard Moog Electronic Control Unit.

