

SAC machining and fabrication requirements

Large numbers of precision components are used in satellite payloads and ground hardware. Different machining processes like milling, turning, EDM, Wire EDM, drilling etc. are used for fabrication of these jobs. Though majority of components are fabricated by industry, SAC does high precision and complex work in-house requiring necessary infrastructure and technical skills.

Realization of jobs like corrugated horns, Mirror and Lens mounts, metallic mirrors, micro featured jobs etc. are the areas where industry participation is required.

SAC procures different type of alloys and special purpose material like honey comb plates, various types of fasteners etc. Special tools having high aspect ratio due to special requirements are also needed. SAC uses tools and consumable like end mill cutters, drills, face mills, turning tools, cutting oil, measuring instruments, cleaning equipments, EDM oil and spares and consumable required for maintenance of machines.

SAC is looking for the vendors who can supply ultra precision machines capable of producing components having micro features with high accuracy and excellent surface finish.

SAC is also looking for mechanical maintenance activities for different machines & utilities like milling, drilling, turning, welding, shearing, press-brake, metal cutting, EDM, CNC machining centers, compressors, etc. Looking for suitable vendors who are technically capable to take up annual maintenance contracts (AMCs) for these machines and/or can supply the required spares.

SAC is aiming third party inspection for the components machined and fabricated by external vendors. Also looking for offloading of raw material cutting.