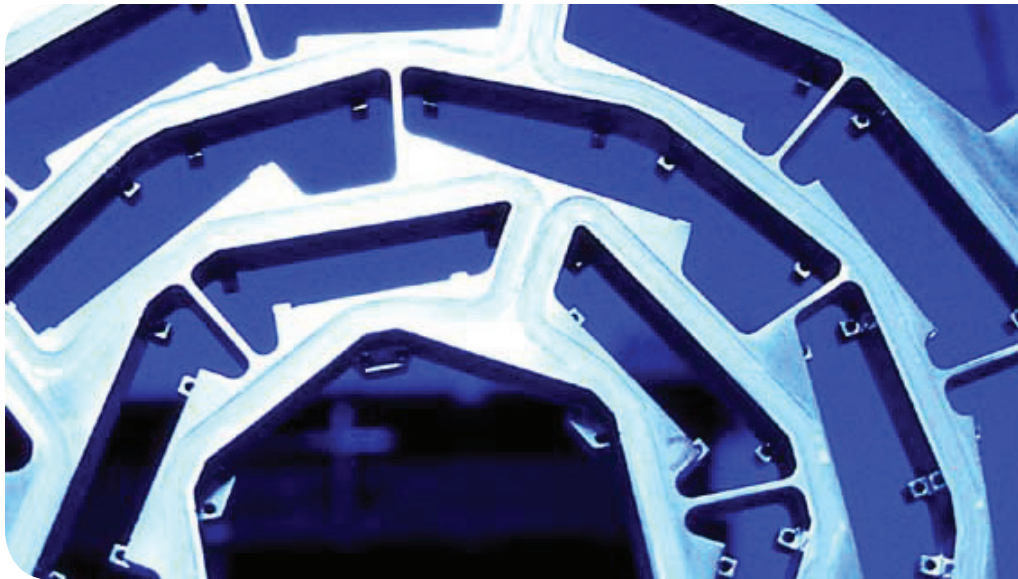


Electrical Discharge Machining (EDM) Capabilities



Material Extraction

Gas/Air Bearings

Heatsinks (Satellites & Aircraft)

Optics & Optical Benches

Infrared Seeker Components

Satellite Sensors

General Dynamics provides precision EDM of high-performance materials including Beryllium and its alloys, Titanium, Aluminum, stainless steel and other thermally conductive materials. With more than 25 years of expertise and state-of-the-art EDM equipment, we are able to achieve virtually unmatched tolerances.

General Dynamics Mission Systems designs and manufactures a full portfolio of high-performance electrooptical/infrared (EO/IR) systems and components that provide our customers the clarity, accuracy and reliability to successfully complete their mission.

Electrical Discharge Machining (EDM) Capabilities

Material Extraction

Cost savings over conventional sawing
Allows nesting/grouping of parts, resulting in less material usage
Yields near net shape blanks
Part features can be machined to finish dimension during extraction

Non-Stress Machining

Machine stress free optical mounting surfaces
Slice thin wall blanks from a single billet
Machine profiles and holes to finish dimensions, eliminating roughing operation
Machine thin wall pockets without inducing stresses

Unique Features And Patterns

Machine hole sizes as small as .002" diameter
Machine unusual features such as octagonal and hexagonal holes and patterns
Maintain tolerances on hole sizes to .0001" and on hole locations to .0005"
Machine features square and perpendicular without radius

Manufacturer reserves the right to change specifications to reflect latest changes in technology and improvements at any time without notice. Export is subject to U.S. Government regulations.



GENERAL DYNAMICS

Mission Systems

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