

Partnering Aerospace

Pioneering Aerospace
Components



Macro Precision Components

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Commitment

Our commitment to developing the latest engineering technology to manufacture world class products gives our customers the competitive edge they need for today's global market.

The Technology Resources You Need

A precision engineering company established in the year 1993 to manufacture and assemble precision machined components and assemblies, catering largely to cockpit and engine related components for aerospace and defense applications. We are an ISO 9001:2000 Certified Company and are in the process certification to AS 9100 requirements.

From initiation we are consistently building our capabilities to address the needs of present and potential requirements.

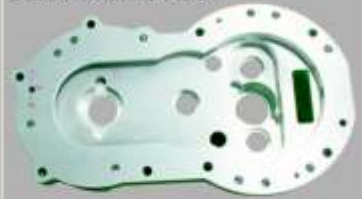
Our Team

We are a team of committed technical individuals, who have developed a sense of ownership, learning, pride and willingness to grow along with the organization.

Manufacturing & Testing

Our key strength lies in our ability to design most outstanding engineering processes to meet the microscopic tolerances of the aerospace industry requirements. We have state of the art CNC Machines by Deckel, supported with secondary operations machines, and finest measurement and testing facilities with the latest 3 Axis Coordinate measuring machine of Mitutoyo make.

GEAR CASING ASSY



Project:GTSU-110



Cockpit Panel

S S D U ENCLOSURE



Project:L C A

GIMBAL PAYLOAD ASSY



Project: PRECISION POINTING SYSTEM

FRONT VIEW OF FORK & ELEVATION RING ASSY



Project:NISHANTH

MF-UFCP



Project:MF-UFCP-LRU ASSY



ONE STOP SOLUTION

What We Do

TURNKEY PROJECTS

We take on comprehensive turn key projects involving development of constituent parts of an assembly and complete all the mechanical aspects including finishing requirements to provide the customer complete assembled mechanical parts meeting all the requirements.



PRECISION COMPONENTS

We manufacture components as per the customer expectations from the raw material procurement, through the various stages of manufacturing and testing resulting in customer delight.



LRU & LRU TRAY'S

Line Replaceable unit. LRUs are the modularized avionics systems equipment units (black boxes) that support communication, navigation, auto flight, in-flight entertainment or other systems



SIMULATOR COMPONENTS

We provide all the mechanical machined components including poly carbonate panels for incorporation to the simulators.

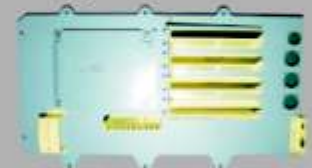


MOUNTING TRAYS FOR
DISPLAY PROCESSOR LRU
OF LCA



Project:LCA

Tarang Mod Kit



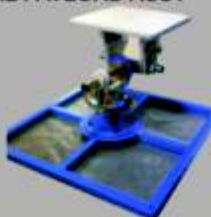
Project:MIG-27

NEW AUX POWER SUPPLY UNIT



Project:TARANG

GIMBAL PAYLOAD ASSY

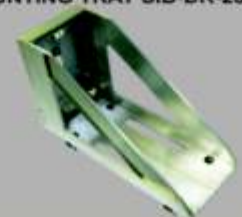


BEARING HOUSING



Project:GTSU

MOUNTING TRAY SIB-DR-28



Project:LCA

Partnering Aerospace

SIGNIFICANT MILE STONES

GIMBAL ADE – Gimbal mounts are used as target tracking system in the defense sector to different positioning environments. We have successfully manufactured and supplied to defense establishments complying to all the laid down stringent requirements.



FILTER HOUSING FOR HAL – In 2004 A complex aluminum casting used in fuel Injection system was given to us to prove our credentials. We did the complete machining operations, fine boring and drilling with pitches between holes at 7 microns, and machining with the highest care to ensure oil and fuel channels do not mix. By delivering the filter housing unit successfully we became a reliable indigenous source.

FUEL INJECTION PUMP – Solid aluminum block was machined on all the sides to obtain complex compound angles, profiles, angular connecting holes and other operations to achieve critical specifications. The pump is supplied on time to Shakthi Engines Project HAL. The Component was approved by HAL engine division after compliance to all the tests thus creating an indigenous reliable source.



Customers

- M/s H A L, Bangalore
- M/s L&T
- M/s A D E ,Bangalore
- M/s A D A, Bangalore
- M/s DARE ,Bangalore
- M/s Centre For Air Borne Systems, Bangalore
- M/s B E L, Bangalore
- M/s Versabyte Data Systems Pvt Ltd. Bangalore
- M/s Deepti Research Group Bangalore
- M/s Datta Pattern India (p) Ltd., Chennai
- M/s Indus Teqsite (india) Pvt Ltd., Chennai
- M/s Data Solution Systems, Bangalore
- M/s Spectrum Infotech Pvt. Ltd
- M/s Futura Automation, Bangalore
- M/s Apollo Computing laboratories, Hyderabad
- M/s Soliton Technologies Pvt Ltd., Bangalore



Mitutoyo CMM



Deckel Maho

