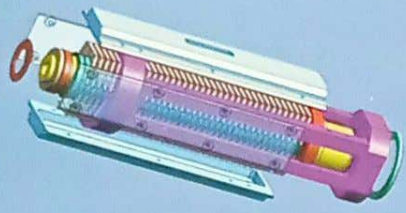




LEGEND TECHNOLOGIES (INDIA) PVT LTD
(ABOVE AND BEYOND AEROSPACE TECHNOLOGY)
PIONEERS IN ENGINEERING SINCE 1992

Aerospace & Defense



DESIGN | AEROSPACE STRUCTURES & ASSEMBLIES | SLIPRINGS
 INDIAN ULTRA LIGHT HELICOPTER-33

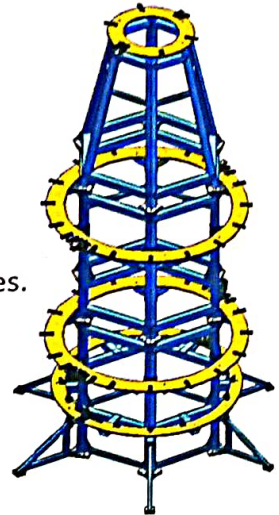


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आज़ादी का अमृत महोत्सव

AEROSPACE DIVISION:

LEGEND TECHNOLOGIES (INDIA) Pvt Ltd, AS 9100D Certified a medium scale engineering industry, which offers end to end ,cost effective solutions for the design and manufacturing of aerospace assembly jigs, aerospace structures, and high precision sliprings. Being 30 years excellence in Aerospace & Defence domain, Legend Technologies has been established to high end aerospace Industry in India & abroad. Legend Technologies involved in indigenized product like LCA, LCH, ALH, RLVT, SARAS, IJT, SWIFT UAV, PSLV, GSLV, Gaganayan and also involved in licensed products like Cheetah, Chetak, Jaguar, meeting the aeronautical & aerospace including defence industry.

- Design Capability as per defined specifications of customer requirement.
- Modelling and detail design on CAD using NX-UG, Catia V5 & Auto CAD.
- CNC Programming and machining of contour templates and locators.
- Thermal and Vibratory stress - relieving
- Design, Fabrication of Large Aerospace jigs & Commissioning at customer premises.
- Dimensional Setting with Master tooling
- Setting by means of optical tooling (Jig Transit and Micro Alignment telescope)
- Setting by Remote Measuring System (Electronic Theodolite and Laser trackers)



SLIPRING DIVISION:

While scanning the market for opportunities to expand and diversify, Legend Technologies was selected by **Vikram Sarabhai Space Center - ISRO** for the licensed production of precision sliprings to meet essentially their requirements. Now, Legend is revolutionised the design, manufacturing of sliprings across the country and globally as well.

A technology transfer agreement was concluded between the two organizations in June 2000. It is however noted that Legend Technologies is the only company to whom VSSC has so far transferred it's technology in this field. The license agreement expired in 2008. In the meanwhile, Legend Technologies has successfully assimilated the VSSC technologies. It is now designing, manufacturing, and supplying sliprings to various customers throughout the country. It has further developed the technologies to state of the art standard.

DESIGN FACILITIES & CAPABILITIES:

- ➔ The slip rings manufactured in Legend Technologies are designed in-house as per the requirement of customer.
- ➔ Use of Auto CAD and UG software for drafting and modeling operation.
- ➔ Availability of special skilled workforce to Design, manufacture, Test and overhaul precision slip rings.



SLIP RING MATERIALS & MACHINING:

- ➔ Aerospace grade materials are used to manufacture the Slip rings. Fabrication of exotic materials like coin silver, phosphor bronze, beryllium copper, silver graphite, poxy and Teflon.
- ➔ All the components are machined only in precision machining centers.
- ➔ Soldering process will be carried out by skilled workforce using High Tech Soldering station.

SLIP RING FACILITIES:

- Clean room facility with Class 10000 ppm.
- Digital oscilloscope
- Regulated DC Power Supply with Rheostat
- RF Signal Generator
- Digital Multimeter
- Precision weighing scale

INDIAN ULTRA-LIGHT HELICOPTER DIVISION:

M/s Legend Technologies, Bengaluru has undertaken extensive study with the technologies and expertise available in the country and came out with the decision that Design and development of Indian Ultra-Light Helicopter (IULH) is very much feasible with the support and hand holding of all organizations. Accordingly, M/s Legend Technologies, Bengaluru has signed MoU with Government of Karnataka for design, development, and manufacturing of Light Helicopter for Civil & Naval application in the presence of Honorable Raksha Mantri Shri Rajnath Singh on 05/02/2021 at Aero India 2021.

Salient features:

- ✓ New Design using state of the art technologies outfitted with an Integrated Glass cockpit, Advanced navigation, and communication systems.
- ✓ Use of advanced Manufacturing technologies for quality of detail parts and assemblies.
- ✓ Removal of left seat (passenger seat) for additional utility.
- ✓ Adjustable pedals for comfortable reach of pilot and trainee.
- ✓ Auxiliary fuel tank for enhanced range.
- ✓ Baggage compartment.
- ✓ Skid landing gear



GENERAL CHARACTERISTICS	
Crew + Passenger	1+1 / 1+2 / 2+1 (Trio Seat)
Max. Take off Weight	850 Kg
Engine type (Single)	Single Engine Piston Type
PERFORMANCE	
Max. Speed	201 kmph
Cruise Speed	177 kmph
Service ceiling	3 kms
MISSION / ROLE EQUIPMENT	
EO Camera	Baggage Compartment
Air Medical Transport	Aerial Survey
Search Operations	Flag towing Advertisement

TREND SETTER FOR OWNING HELICOPTERS AT AN AFFORDABLE COST WITH STATE OF ART TECHNOLOGIES



LEGENDARY PATRONS



Legend Technologies (India) Pvt Ltd

(ABOVE AND BEYOND AEROSPACE TECHNOLOGY)

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