



## OUR VISION

Electrolinks vision is to become the most admired Defense and Aerospace solutions provider through world-class people and technology, and Connect Indian Aerospace to the world



## OUR MISSION

Our mission is customer success, which we achieve by endeavoring to consistently deliver timely, high quality, reliable and cost-effective technology solutions and services.



## OUR PRODUCT APPROVED BY DGAQA BREAK IN BOX TEST SET



**Function-**The scope of the Break-in-Box is to monitor the voltage and current level at all the pins of ADR (Accident Data Recorder) and DAU (Data Acquisition Unit).

**End User:**

Jaguar Aircraft, Indian Air Force through HAL-Aircraft Div.

## AC DC TEST SET



**Function-**The electrical power generation test set is designed for checking out the “dormant” circuits of the aircraft electrical power generation system and for checking voltage and frequency values at various points within the electrical generation system.

**End User:**

Jaguar Aircraft, Indian Air Force through HAL –Overhaul&Aircraft Div.

## FUEL DIP TEST SET



**Function-**The fuel dip system test box consists of test panel and cable storage panel assembly, contained in a case. The fuel dip test box is used in conjunction with a digital timer to perform a series of static checks on the electrical circuits to the fuel dip systems.

**End User:**

Jaguar Aircraft, Indian Air Force through HAL –Aircraft Div

## CWS TEST SET



**Function-**The Centralised Warning System (CWS) test set is used on the aircraft to test the aircraft CWS. The test set can be used to test the CWS with or without the CWS related circuits (attention getters and lightning circuits).

**End User:**

Hawk Aircraft, Indian Air Force through HAL –Aircraft & Overhaul Div

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## LINK TEST SET



**Function-**The LTS can perform some of the functions of the ground control station required for checking the operation of the telecommand system of Lakshya in radiate / direct mode.

**End User:**

Lakshya Pilotless Target Aircraft, Indian Air Force

## ANTI-SKID CONTROLLER TEST RIG



**Function-**This Test Rig has been designed and manufactured to meet the PIC requirements of Antiskid Controller Pt. No. 228700000 of HJT-36 aircraft.

Test Rig is required for carrying out the following tests such as Insulation test, Input reverse protection test, Skid valve current test, Emergency valve current test, Functional Test.

**End User:**

HJT-36 Aircraft, Indian Air Force

## MICRO TURBO TEST SET



**Function-**This test set is designed to carry out following functions:

- a) System monitoring- Functional check of the starting system.
- b) System simulation- Check for correct sequencing and the operation of safety circuits in the starting system.

**End User:**

Hawk Aircraft, Indian Air Force through HAL –Aircraft Div

## TELELOUD SPEAKING SYSTEM



**Function-**The test set is used to carry out comprehensive checks of the aircraft flap and slat system. They provide interconnections, indicator lamps and switches to enable comprehensive checks of the electrical part of the aircraft flap and slat system to be carried out in conjunction with the hydraulic test schedule.

**End User:**

Jaguar Aircraft, Indian Air force.

## SLAT FLAP TEST SET



**Function-**This test is used to carry out comprehensive checks of the aircraft flap and slat system. They provide interconnections, indicator lamps and switches to enable comprehensive checks of the electrical part of the aircraft flap and slat system to be carried out in conjunction with the hydraulic test schedule.

**End User:**

Jaguar Aircraft, Indian Air Force through HAL –Aircraft Div



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## FLAP SLATS EOT TEST BOX



**Function-**This test is used for checking the end of travel limit adjustment of the aircraft flaps and slats. It provides interconnections, indicator lamps and switches to enable the micro-switch settings of the flap and slat limit switches under test

**End User:**  
Jaguar Aircraft, Indian Air Force through HAL-Aircraft

## LASER WINDOW DEMIST SYSTEM



**Function-**This test is used to carry out comprehensive checks of Laser Window Demist System. The toggle switches in the unit are used to carry out electrical checks

**End User:**  
Jaguar Aircraft, Indian Air Force through HAL –Aircraft Div

## LASER WINDOW TEST SET



**Function-**This test set is used to determine the acceptable degree of sand erosion on the laser window (in terms of laser ranging / target seeking performance) by measuring the light transmission through the window. A transmission level between 45% and 55% is considered as acceptable limit.

**End User:**  
Jaguar Aircraft, Indian Air Force through HAL –Aircraft & Overhaul

## BONDING STRIP



**Function-** This spare is used for Static discharge on the Jaguar Aircraft

**End User:**  
Jaguar Aircraft

## ERSU TEST RIG TR-27



**Function-**Test rig TR-27 is designed for bench testing of the ERSU 72 series. It provides power for the ERSU and tests all microphone, telephone and keying lines, providing modulation loads and monitoring facilities for external test equipment

**End User:**  
Jaguar Aircraft, Indian Air Force through HAL-Aircraft Div

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## JUNCTION BOX (EJB 72 SERIES) TEST RIG TR-41



Function-Test rig TR 41 is designed for bench testing of the EJB 72 series Junction box. It provides power for the Junction Box amplifier and test receiver, telephone and microphone lines, signal levels and control lines.

End User:

Jaguar Aircraft, Indian Air Force through HAL-Aircraft Div

## GROUND CREW JACK BOX TEST RIG TR-42



Function-Function-Test Rig TR-42 is designed for bench testing CCS ground crew jack boxes. It provides power for the jack box and tests intercom facility, amplifier output and microphone/telephone lines

End User:

Jaguar Aircraft, Indian Air Force through HAL-Aircraft Div

## ERSU TEST RIG TR-135



Function-Test rig TR-135 is designed for bench testing of the ERSU 74 series. It provides power for the ERSU amplifiers and tests microphone lines, telephone lines and all switches facilities.

End User:

Jaguar Aircraft, Indian Air Force through HAL-Aircraft DivDiv

## CABLE HARNESS



Function-Harness and cable assemblies starting with functional & interface specifications. Capability to select right components for low loss, high frequency RF cable assemblies Type certification/qualification Testing capability using accredited test laboratories to MIL-STD- & JSS 55555 Harness accessories to meet special requirements such weight, shape, protection etc Harnesses with integrated mechanical parts

## ACTUATOR INTERFACE UNIT 1& 2



Function-The actuator interface box is used during the actuator checks of Lakshya. It provides I/P points and monitor points of signals related to actuation system. It consists of two boxes. One mates with FCE J1 and J3 connectors of the aircraft loom. The other box consists of a 19-pin fixed connector to which the computer interface cable/actuator test cable is connected.

End User:

Lakshya Pilotless Target Aircraft, Indian Air Force.

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## 28V SUPPLY BOX



**Function-**This unit consists of a box with cable having a fixed type connector when mated to aircraft loom connector providing the +28V line, which is drawn through two wires to banana sockets mounted on the box.

**End User:**  
Lakshya Pilotless Target Aircraft, Indian Air Force

## ACCELEROMETER ELECTRONICS



**Function-**The Accelerometer Electronics with linear accelerometer is used for measuring control surface during flight control system check of Lakshya. It is necessary to use this setup to amplify the accelerometer output which is very low.

**End User:**  
Lakshya Pilotless Target Aircraft, Indian Air Force

## ENGINE RPM SIMULATOR



**Function-**The Engine simulator is designed to simulate signal with frequencies in the operating range of 70% rpm to 100% corresponding to the throttle demand input range of 0 to about 9.44 Volts It also provides audio signal qualitatively corresponding to the simulated rpm.

**End User:**  
Lakshya Pilotless Target Aircraft, Indian Air Force.

## TOW BODY INDICATOR



**Function-**During integration / testing the tow body commands bulbs are connected across the designed pin number to check the availability of particular signal as and when that particular command is initiated

**End User:**  
Lakshya Pilotless Target Aircraft, Indian Air Force

## SHORTING CONNECTOR- TOW BODY



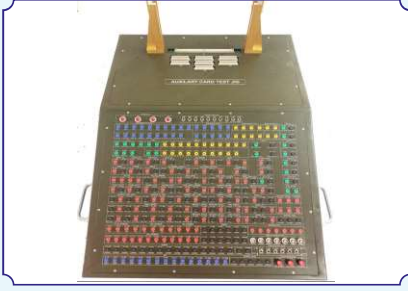
**Function-**Tow body shorting connector is used for shorting the pyros in tow bodies of Lakshya during integration testing for safety purpose. This connectors are connected to the aircraft loom connector CCP & CCS

**End User:**  
Lakshya Pilotless Target Aircraft, Indian Air Force



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### AUXILIARY CARD TEST JIG



Function-AC Auxiliary Card Test Jig test jig has provision to set certain signals in the UUT and to monitor all pins on the AC Auxiliary Card Test edge connector. The Fixture interfaces the cards to the appropriate power supplies, signal sources and monitoring devices like CRO, DMM and logic analyzer. Further provision is available to monitor activities on the various important pins. The power supplies are interfaced to UUT via

### DIGITAL MODULE TEST JIG



Function-The Manual Test Jig has provisions to set certain signals in the UUT and to monitor all pins on the Digital Module edge connector. The fixture interfaces the cards to the appropriate power supplies, signal sources and monitoring devices like CRO, DMM and logic analyzer. Further provision is available to monitor activities on the various important pins. The power supplies are interfaced to UUT via wires

End User:  
BEL-LCA

### ACCELERATION SENSOR ASSEMBLY (ASA) TEST JIG



Function-ASA test jig and ASA sensor test jig. Acceleration sensor assembly (ASA) 3-Axis Test Jig (STTE) for measuring longitudinal, lateral, normal axis acceleration using ASA unit.

End User:  
BEL-LCA



**OUR PRODUCT APPROVED BY BEL**  
**AUXILIARY CARD TEST JIG**



ASA test jig ASA sensor test jig. Acceleration sensor assembly (ASA) 3-Axis Test Jig (STTE) for measuring longitudinal, normal axis acceleration using ASA unit.

End User - BEL / LCA

**AC MK2 SCM & SDIM SEMI ATE**



Servo Control Module (SCM) Test Jig is used for testing the Servo Control Module at SRU level with the help of PCB Interface Module which contains 196 Pin Airborne Connector for interacting between SCM Module and Test Jig. Test Jig Consist of test fixture test and monitoring point at the front panel and interface connector, for interface UUT (servo control module) with it. It also consists of workstation with DIO module and Respective driver software, used for simulation Digital module of AC Mk2

Servo Discrete interface Module (SDIM) test Jig is used for testing the Servo Discrete Interface Module at SRU level with the help of PCB Interface Module which contains 196 Pin Airborne Connector for interacting between SDIM Module and Test Jig. This Test Jig will have 6.5 digit Digital Multimeter, Fixed dc voltages +/-5v, +/- 15v supply and programmable 28VDC power supply for Servo Discrete interface Module (SDIM). Test JIG also consists of TTL Logic conversion board which converts 5V TTL, The logic conversion board will have +/- 10V Reference voltage generation circuit with 10mA current.

End User - BEL / LCA

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## FEATURES :

- Couplings and Accessories
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## OUR PARTNER :



We take this opportunity in introducing **Elimec Ltd &** providing an insight into its competitive & finest quality product. Electro Mechanical Engineering Ltd was established in 1988 in Israel and serves Hi tech Naval, Aerospace, Medical, Navigation, Automotive, Railways, Industrial, Military & Telecommunication industry in mission critical Electromechanical, Optical and Mechanical components and accessories like MIL specified Connectors, Back Shells, Adapters, Cable Harness & communication Microwave components

- Relays, Connectors, Bi-Metal Thermostats, Potentiometers, Solenoids, Actuators & Slip-Rings
- Insulating & Heat Conducting Elastomers , customized Gaskets , Compounds & adhesives; Heaters
- Lighting for Aircrafts & Vehicles, Night Vision Equipment, Cameras: Heavy Duty and FLIR
- Customized & Rugged Keyboards, Joysticks, Hand Grips, Trackballs
- Switches, Knobs, Flex Printed Circuits (PCB), Cables & Wires; High Voltage Cables, Connectors, Capacitors & Resistors
- Racks & Cabinets, LCD Panels & Screens, Telescopic Slides, Sock-Mounts, RFI/EMI Gaskets & Filters and many more.

## LASER TRACKER SERVICES

We are one of the leading service providers of Laser Tracker Services. With our vast experience in portable measurement services, Electrolinks Technologies has established itself in measurement and validation work using Laser Tracker. We have expertise and experience in Steel Mills, Automotive Line building, Aerospace, Wind Mills, Turbines and various large size measurement and validations.

We offer our clients with unmatched range of Measurement using Laser Tracker. These are ideal for making large size measurement in fast and accurate manner. The Laser Tracker makes use of VERISURF measurement software, which enables CAD based measurement and analysis.

Our Engineers have acquired expertise in various domains of measurement such as Aerospace, Steel Plants, Power plants, shipping (shaft alignments) Other than providing complete service with our own Engineers, Electrolinks Technologies offers rental services where customer has expertise and experience in handling the Laser Tracker. Leica AT-402: Short-to-long range measurement applications up to 80 m.

### Features:

- Laser Tracker :Leica
- Model : AT-402
- Accuracy (MPE): +/- 15 $\mu$ m +6 $\mu$ m/m (+/- 0.0006"+0.00023"/ft)
- Repeatability (MPE): +/- 7.5 $\mu$ m+3 $\mu$ m/m +/-0.0003"+0.00012"/ft)
- Full range 1.5 to 80m
- Infinite Horizontal Rotation: +/- 360°
- Infinite Vertical Rotation: +/- 145°.



### CUSTOMERS:

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