

PLOT NO. 1131 HARI ENCLAVE KIRARI SLEMAN NAGAR NEW DELHI-110086

2<sup>ND</sup> PLANT H-936 RIICO CHOPANKI INDUSTRIAL AREA ALWAR RAJSTHAN-301707

## RESOTECH FOUR WHEELER FUEL TANK LEAKAGE TESTING MACHINE PROPOSAL

*Professional Manufacturer of Test Equipment***MAKE:-RESOTECH****MODEL NO: - RESOTECH –FELTNK-003**

# **MANUFACTURERS & SUPPLERS**

**SPECIAL PURPOSE MACHINE, MATERIAL TESTING MACHINE, LEAKAGE TESTING MACHINE, PACKAGING TESTING MACHINE, ENVIRONMENTAL TEST CHAMBER, ASSY. LINE EQUIPMENT, SOLUTION FOR ELECTRONIC AUTOMATION AND PRODUCT DEVELOPMENT, COMPUTERIZED CONTROL MACHINE , PLC HMI SCADA VISUAL BASIC SOFTWARE DEVELOPMENT SOLUTION AND OTHER SERVICES.**

**The mechanical properties of materials are determined by performing carefully designed laboratory experiments that replicate as nearly as possible the service conditions. In the real life, there are many factors involved in the nature in which loads are applied on a material. The following are some common examples of how these loads might be applied: UNIVERSAL, compressive and shear, just to name a few. These properties are important in materials selections for mechanical design.**

RESOTECH design & manufacture air leak test machines with dry as well as dry & water immersion method to check the porosity of Cylinder Block, Cylinder Head, Gear Housing, Clutch Housing, Transaxle Housing, Oil Coolers, High Pressure Gas Cylinder, Intake / Exhaust Manifold, Engine Assembly, Transmission Assembly, Rear Axle Assembly, Fuel Tank or any Pressurized / Fluid Reservoirs etc. with high pressure air leak test through microprocessor based pressure drop method with highest resolution to meet international standards. Water dip machine has built in facility of water immersion for further analysis of leakage area which can be observed in illuminated water tank. The procedure is to load the component on fixture, clamp and plug the component in position. Air will be pressurized in to the component till the pressure reaches a preset value, stabilize the air inside the component and checked for leakage through a pressure drop/flow sensor and the result is displayed on leak testing instrument. If the component is rejected, it is immersed into the emulsion tank where the area of leakage is observed visually. In case of OK component punching will be done & depressurization, de-plugging followed by de-clamping take place. All clamping, locating and plugging will be done by hydraulic / pneumatic cylinders automatically, hence the process time and labor required is greatly saved. The operator only has to load the component & then press cycle start push button. Total operation is automatic without operator interference. Machine is fully automatic & controlled through PLC. The system is configured to operate in auto / manual mode.

We provide solutions for leak testing of any casting, molding, assembly components of **automobile, pharmaceutical, packaging industries** to suit various leak testing applications in **production testing, quality control and R & D applications**.

### **Special Purpose Leak Testing Machine for Auto Components and Assemblies**

- ❖ Cylinder Block LTM
- ❖ Cylinder Head
- ❖ Pumps
- ❖ Rear Axle
- ❖ Cylinder Head Water Jacket
- ❖ Cylinder Head Valve Sheet
- ❖ Transaxle Housing
- ❖ Clutch Housing
- ❖ LPG, CNG Manifolds
- ❖ High Pressure Gas Cylinder
- ❖ Wheel Rim
- ❖ Clutch Cover
- ❖ Cylinder Head Cover
- ❖ 4 - Speed Housing
- ❖ Assembled Valve Seat
- ❖ Assembled Engine
- ❖ Power Piston Assembly of
- ❖ Brakes
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- ❖ Assembled Transmission
- ❖ Power Steering Assemblies

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