



**TESTING EQUIPMENT DESIGN, DEVELOPMENT & ENDURANCE SOLUTION**

**TEST BED UTILITY SOLUTION**

**COMPLETE SUPPLY SOLUTION**

**TURNKEY PROJECT CONSULTANCIES**

# SMART TEAM



## Greetings from Maxmoc!

Maxmoc established in the year 2017 by a young and energetic team, as a multi ground organization offering technical Solutions in engine testing development to satisfy customer needs. We introduce our self as a supplier of materials, consumables & as a manufacturer of testing devices those are especially required for engine testing & supporting activities were grouped under one roof.

## Testing equipment manufacturing

We can able to design & manufacture testing equipment like coolant conditioning unit, Fuel conditioning unit as well as special purpose testing equipment like Thermal shock device, Air compressor loading system, Steering pump loading system, Alternator loading system, engine component durability testing machines as per your test procedure requirements for engine/components durability and development testing.

## Supply SOLUTION

We can able to supply materials like RTD/Thermocouples in any dimensions, Pr. Transducers, temperature controllers, all type indicators/display, PLC/HMI, all type of fittings for sensor adaptations, data acquisition systems, testing equipment spares etc.,

### **FabricationWorks**

We can able to fabricate as per your drawing or we can also design and manufacture the materials like dynamometer adapters, propeller shaG adapters, engine frames, angle encoder adapter etc., We are also doing fabrication works which is especially required during test cell installation like cooling tower pipe line works, CAHU/Emission piping works and heat exchanger Installations.

### **Equipment maintenance SUPPORT**

We can able to do Maintenance, breakdown recovery as well as AMC for all engine/vehicle test cell equipment like Dynamometer, Controls units, Coolant conditioning systems, Fuel conditioning system, Heat exchangers, Cooling tower, Air handling system etc.

### **OUR MOTTO**

**“KEEP ON EXECUTING INNOVATIVE THOUGHTS IN ENGINE AND COMPONENT TESTING DEPARTMENT”**

# ALCUU Series

## Coolant Conditioning Devices



### Why CCU ?

- ❖ Quick response to Temperature, Pressure/Flow demands
- ❖ Available from 5kW to 1500kW Engines
- ❖ Can communicate with any type of testing software
- ❖ Coolant temperature application up to 140°C with inbuilt PID control of accuracy  $\pm 0.2^\circ\text{C}$
- ❖ Adapt for smaller to bigger engines with same unit
- ❖ Special coolant cycle requirements in addition to basic CCU features on request
- ❖ With wheels to utilize the device from one test cell to another
- ❖ System pressure cycles on your request
- ❖ Engine cylinder head gasket health monitoring system
- ❖ Maximum features with efficient performance but in your traditional way of CCU budget

# FCU 6 Series

## Fuel Conditioning Devices



### Why FCU?

- ❖ Quick response to Temperature demand
- ❖ Entire fuel circuit made of by SS to avoid CR injector coking
- ❖ Available from 5kW to 1500kW Diesel/Gasoline Engines
- ❖ Precise manual pressure regulation system included
- ❖ Can communicate with any type of testing so Gware
- ❖ Adapt for smaller to bigger engines with the same unit
- ❖ With wheels to utilize the device from one test cell to another
- ❖ Autonomous air bubble collection and release system
- ❖ Support vast fuel flow range like 6 cylinder unit pump engines
- ❖ Can be used for diesel as well as gasoline and also for fuel flushing option on request
- ❖ Maximum features with efficient performance but in your traditional way of FCU budget

# HITR

## Pressure/Temperature Control Machines



### Why HITR?

- ❖ Can test power steering hoses or any hydraulic components
- ❖ Low ramp rates for pressure and temperature cycle with high accuracy.
- ❖ Min pressure controlled ramp rate 0.1 sec to any time requirements
- ❖ 6 Separate stations to control 6 different pressure demands at 6 different ramp/cycle time demands
- ❖ Can build for any temperature, pressure requirements on your request
- ❖ Can control sample environment temperature also
- ❖ Control soGware build with Lab view base (National Instruments)
- ❖ Available options-Test cycle programming, cycle counting, Automatic cycle completion, alarm setting for all parameters etc.,

# ACLS Series

## Air Compressor Loading Devices



### Why ACLS?

- ❖ Quick response to compressed air pressure control demands
- ❖ Compressed air consumption simulation
- ❖ Can reduce air temperature drastically and air drying option
- ❖ Can include all engine air compressor accessories for testing and durability if required
- ❖ Can execute on/off and ramp rate load cycles
- ❖ Can communicate with any type of testing software
- ❖ Adapt for smaller to bigger engines with the same unit
- ❖ Can include engine compressor energy saver function also under testing
- ❖ Safety interlock and emergency interface with engine testing operation
- ❖ Maximum features with efficient performance but in your way of nominal budget

# SPLS Series

## Power Steering Pump Loading Device



### Why SPLS?

- ❖ Quick response to steering oil pressure and temperature control demands
- ❖ Min ramp time 0.2 sec for pressure ramp demands
- ❖ Can execute on/off and ramp rate load cycles
- ❖ Can communicate with any type of testing soGware
- ❖ Adapt for smaller to bigger engines with the same unit
- ❖ Can include all engine air compressor accessories for testing and durability if required
- ❖ Safety interlock and emergency interface with engine testing operation
- ❖ Maximum features with coefficient performance but in your way of nominal budget



# CTSD series

## Thermal Shock Device



### Why TSD ?

- ❖ Quick response to Temperature, Pressure/Flow demands
- ❖ Available from 5kW to 1500kW Engines
- ❖ Coolant temperature application from 5 °C-140°C with inbuilt PID control of accuracy  $\pm 0.2^{\circ}\text{C}$
- ❖ Can communicate with any type of testing soGware
- ❖ Adapt for smaller to bigger engines with the same unit
- ❖ Advance features to achieve max coolant cycle requirements
- ❖ Compact dimensions (L1.8m\*W1.4m\*H1.6m) with wheels to utilize the device from one test cell to another
- ❖ System pressure cycles on your request
- ❖ Engine cylinder head gasket health monitoring system
- ❖ Maximum features with efficient performance but well within your traditional way of TSD budget

# UTR series

## Universal Component Testing Machine



### Why UTR ?

- ❖ Quick response to Temperature, Pressure/Flow demands
- ❖ Three fluid medium in one machine (Diesel/coolant/lube oil or transmission oil or power steering oil)
- ❖ High temperature applications from 5 °C-140°C with inbuilt PID control of accuracy  $\pm 0.2$  °C
- ❖ Control soGware build with Lab view base (National Instruments)
- ❖ Can adapt for maximum engine components with the same unit
- ❖ Advance features to achieve typical components durability cycle requirements
- ❖ Can conduct development and durability test for coolant, fuel, lub oil, power steering pumps and its accessories

# Service solution

## Project & Consultation Solutions



### Why Project & CONSULTATION SOLUTIONS?

- ❖ Experienced analyst Identify exact customer needs
- ❖ Project design and planning on clear vision of understanding a Ger that only result will be Produced
- ❖ Most cost and time effective solution proposals with detailed documentation
- ❖ Multi level discussions for better understanding on all the sides
- ❖ Executing innovative thoughts and concepts
- ❖ Young, experienced and energetic project execution team
- ❖ Expert in component and supplier selection
- ❖ On time delivery and good customer satisfaction history for the past 6 years

Supply solution

## Trading and Supply Solutions



### Why Trading and Supply SOLUTIONS?

- ❖ Experienced analyst understands the customer needs easily and help to select the right product for that specific application
- ❖ Selecting the best in class, quality and cost product
- ❖ Having the good understanding with product manufacturers and dealers
- ❖ Sending the offer in quick time with specification transparency
- ❖ Most competitive in price and quality
- ❖ Cost effective and robust product selection
- ❖ Delivering the items on time
- ❖ The best aGer sales support always

## OUR VALUABLE CUSTOMERS



# Maxmoc

Dear Valued Customer! Thanks for your time!

Now it's your turn, Looking forward to work with you soon...



## Contact Us



### Reg.Office

No.1,Anchaneyer Kovil Street,  
Puduvallur, Koppur,  
Thiruvallur, Tamilnadu-602025.  
+91 9790560569



### Sales Office

No.6, Siruthondan Second cross.St,  
Manavalanagar,Thiruvallur  
Tamilnadu-602002.  
+91 9003923057