

iCAT is a division of NATIS (NATRIp Implementation Society), an Apex body for implementation of National Automotive Testing and R& D Infrastructure Project (NATRIp), Govt. of India.

- ❖ Test Agency Under Rule 126 of CMVR vide MoSRTTH, G.S.R. 276 (E) dated 10th April, 2007
- ❖ Accredited Agency for “Emission Standard for new generator sets (upto 19 kW) run on petrol & kerosene and emission limits for new diesel engines (upto 800 kW) for generator set (Genset) applications” vide MoEF, G.S.R. 280(E) dated 11th April 2008.
- ❖ Facilities Approved by VCA,U.K for purpose of Export Certification (Such testing also done with TUV, Germany)

Core services: • Homologation and Certification • Research & Development • Development Testing

ELECTRO DYNAMIC SHAKER

➤ Electro Dynamic Shaker Lab

Medium ED Shaker with Medium Climatic chamber



Med. ED Shaker

Rated Force	: 3200 Kgf
Max. Acceleration	: 90 'g' sine, bare armature
Slip Table size	: 0.8 m x 0.8 m
Head Expander size	: 0.8 m x 0.8 m

Med. Climatic Chamber

Volume	: 1.5 m(W) x 1.5 m(L) x 1.5 m(H).
Temp range	: -60°C to +180°C range
RH	: 10% to 95% R.H. range

Large ED shaker with Large NVH Climatic chamber



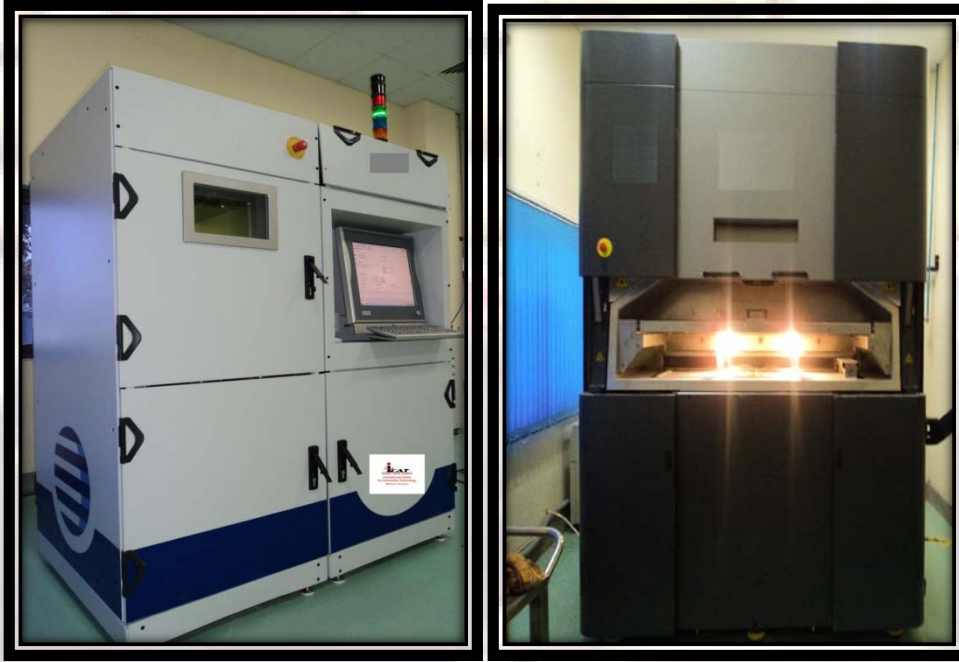
Large ED Shaker

Rated Force	: 3200 Kgf
Max. Acceleration	: 90 'g' sine, bare armature
Slip Table size	: 1.2 m x 1.2m
Head Expander size	: 1.2 m x 1.2 m

Large Climatic Chamber

Volume	: 2.5m(W) x 2.5 m(L) x 2m (H)
Temp range	: -30°C to +80°C range
RH	: 10% to 95% R.H. range

RAPID PROTOTYPING



SALIENT FEATURES

Model/Make	Selective Laser Sintering FOR PLASTIC PRODUCTS	SLM 250 FOR METAL PRODUCTS
Process	Plastic Laser Sintering	Metal Laser Sintering
Build volume	340x330x450 mm	250x250x250 mm
Accuracy of laser	± 0.005mm	+ 0.005mm
Material	Plastic	Metal
Building Speed	35mm/hr	20mm/hr

MACD 1,2 & 3

MACD 1 : 4x4 Chassis Dynamometer

- AVL 200 Kw Permanent Power Consumption of Front & Rear Roller
- 48" + 0.01" Roller Diameter (Front & Rear)
- Vehicle Inertia Range -- 454 kg -5448 kg
- Vehicle Wheel Base Range -- 2000-4000 mm
- Max. Speed of each Roller -- 250 kmph
- Robot Driver -- Stahle SAP 2000 -- compatible & easy to be installed & follow cycles on various vehicle orientations & customized vehicle gear shift patterns



MACD 3 : 2/3 Wheeler Chassis Dynamometer

- AVL 55 Kw Permanent Power Consumption of Front Roller
- Vehicle Inertia Range -- 80 kg - 1000 kg
- Vehicle Wheel Base Range -- 648 mm
- Max. Speed of each Roller -- 200 kmph
- Robot Driver -- Stahle SAP 2000 -- compatible & easy to be installed & follow cycles on various vehicle orientations & customized vehicle gear shift patterns

MACD 2 : 2 / 3 / 4 Wheeler Chassis Dynamometer

- Burke E Porter 160 Kw Permanent Power Consumption of Front Roller
- Vehicle Inertia Range -- 100 kg - 4000 kg
- Roller Diameter – 48" inches
- Max. Speed of each Roller -- 200 kmph
- Robot Driver -- Under Progress

