



ZEUS SOLUTIONS

Manufacturers of

Assembly Lines | Test Equipments | Conveyorized Ovens | Conveyors
Assembly Machines | Magnitizers | Balancing/Correction Machines | Leak Testing Machines
Special Machines | Noise Booth | EV related Projects & Industrial Automation Projects



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ZEUS SOLUTIONS

Industrial Automation Solution - Motor Manufacturing & Test Equipment & SPM

Zeus solutions, a pioneer in Industrial Automation & Test Equipment since 1995.

We primarily executed projects for companies that are manufacturing auto electrical components such as starter motors, alternators, wiper motors, blower motors, power window motors, etc. We also provide support to motor and pump industry for manufacturing and testing of AC motors, submersible motors , openwell pumps , monoblock pumps, etc. Zeus provides support to two, three and four wheeler manufacturers.

The unique value propositions are

- a)Proven track record of long term support
- b)Delivery focus on an integrated functional environment for the customer called as “E3M (Engineering,Manufacturing, Methods, and Maintenance)”.

About Us

Establishment Year	1995
Specialization	Industrial Automation Solution - Motor Manufacturing & Test Equipment & SPM
Unique Selling Point (USP)	<ul style="list-style-type: none">• Continuous Improvement• Integrated Solution (EMMM-Engg, Manufacturing, Methods, Maintenance)• Long-term Support
Manufacturing Floor Space	10000 Square Feet
Longest Serving Customer	25 Years - Lucas TVS Group 20 Years - Varroc Engineering, Igarashi Motors India Limited 15 Years – Bajaj Auto Ltd, TVS Motor, Bosch India
Employees	60
Production Capacity	15 Units / Month
Quality	Our Quality Policy is an extention to Kaizen Model of Quality, customer centric process, organization level integration solutions (EMMM)

CONVEYORIZED OVENS

- Trickle Varnishing Machines
- Conveyorized Curing Machine
- Adhesive Machine

Specification :

Output: 900 per 7.33 hrs.
Component size : 60 Ø , 90 Ø, 140 Ø,
Varnish : 9 – 22 ml

Products

Stator, Rotor
Armature, yoke, Magnet curring



STATOR AND ROTOR TRICKLE VARNISH PLANT



STATOR VARNISH PLANT



STATOR TRICKLE VARNISH PLANT



VARNISH PLANT

Our Customers:

Stanley Black & Decker India Pvt Ltd, ABB Ltd, Honda Siel Power Products Ltd,
Bharat Bijlee Ltd, Comstar Automotive Technologies Pvt Ltd, Lucas TVS Ltd,
Varroc Engineering Ltd, Minda Auto elektrik Ltd, NCFEP Egypt, Mittal electronics Ltd

EV RELATED PROJECTS

- Traction Motor /Rotor assembly line
- BLDC Rotor assly line
- BLDC motor assembly line
- BLDC fan motor assembly line
- Traction motor assembly line
- Hub motor magnet assembly SPM
- Hub motor performance test bench
- Traction motor calibration SPM



BLDC STATOR & ROTOR ASSEMBLY



TRACTION MOTOR ASSEMBLY LINE



EPS MOTOR PERFORMANCE TEST RIG



HUB MOTOR PERFORMANCE TEST RIG



EPS MOTOR ASSEMBLY LINE



PMSM MOTOR CALIBRATION TEST RIG

Our Customers:

Lucas TVS Ltd, Robert Bosch India Ltd, Rane Madras Ltd, Invent solutions Pvt Ltd.,

CONVEYORS

- Belt conveyors
- Chain conveyors
- Roller Conveyors
- Assembly Conveyors
- Power Roller conveyors,
- Adhesive dispensing conveyors.



ADHESIVE DISPENSING CONVEYOR



CLEANING CONVEYOR



PREFORM LINER



PUMP ASSEMBLY CONVEYOR



PUMP TESTING CONVEYOR

Our Customers:

Prestolite electric Pvt Ltd, KSB Pumps Ltd, Pricol Engineering Industries Ltd , LAPL Automotive Pvt Ltd, Aurangabad Electricals Ltd, Varroc Engineering Ltd, Invent Solutions Pvt Ltd, Lucas TVS Ltd, Unnati pumps Ltd, Yamaha Motor India Ltd, Robert Bosch India Ltd, CRI Pumps Pvt Ltd,

TEST EQUIPMENTS

- Motor testing machines
- Armature testing machines
- Starter testing machines
- Rotor testing machines
- AC Motor testing machines
- Alternator test Rigs
- No Load, Load , Lock Test Provided
- for 8, 10, 12, 16 coils, accuracy – 0.001 mΩ, Servo Indexing method to reduce cycle time
- No Load, Load, Lock Test With QCT Facility, Both Direction Testing Facility
- No Load, Load, Lock Test With QCT Facility, Both Direction Testing Facility, Resistance & HV testing
- Testing As Per IS 8038
- 12v, 24v Models For Three Wheelers, Four Wheelers, Generators



**STARTER MOTOR
PERFORMANCE TEST RIG**



ARMATURE TEST RIG



**ALTERNATOR
PERFORMANCE TEST RIG**



WIPER PERFORMANCE



**INWALL MOTOR
PERFORMANCE TEST RIG-**



BRUSH BEDDING SPM

Our Customers:

LAPL Automotive Pvt Ltd, Bajaj Auto Ltd, Srimukha Precison Products ,
LAPL Automotive Automotive Pvt Ltd, Metlomed India Pvt Ltd,
Mittal electronics Ltd, Rane Madras Ltd

TEST EQUIPMENTS

- Traction Motor test Rig
- No Load, Load test, Lock test, Resistance, Inductance, High Voltage, Running Parameter
- HUB Motor test Rig
- No Load, Load test, Lock test, Resistance, Inductance, High Voltage & Running Parameters
- Electronic Power Steering test rig
- Electronic power steering motor performance test rig
- Electronic Power Steering back EMF test rig
- Electronic Power Steering cogging torque test rig



**BLDC BACK EMF
TEST RIG..**



MAGNETO PERFORMANCE



**ELECTRONIC POWER
STEERING TEST RIG**



**EPS PERFORMANCE
TEST RIG**



**WIPER MOTOR
PERFORMANCE TEST RIG**



**POWER WINDOW
DURABILITY TEST RIG**



**COGGING FRICTION &
DAMPING TEST RIG**

Our Customers:

Lucas TVS Ltd, Robert Bosch India ,Pranshu Electricals Pvt Ltd,
Invent Solutions Pvt Ltd, Prestolite electric Pvt Ltd, Prabha Engineering Pvt Ltd,
Yamaha Motor India Ltd, Pricol Engineering Industries Ltd ,

ASSEMBLY LINES

- Starter motor assembly line
- Wiper motor assembly line
- AC motor assembly line,
- Armature assembly ,
- Alternator assembly line,



ARMATURE
ASSEMBLY LINE



BENDIX DRIVE LINE



SUBMERSIBLE MOTOR ASSEMBLY



REAR END COVER ASSEMBLY LINE



STARTER MOTOR ASSEMBLY LINE

Our Customers:

Prestolite electric Pvt Ltd, KSB Pumps Ltd, Pricol Engineering Industries Ltd , LAPL Automotive Pvt Ltd, Aurangabad Electricals Ltd, Varroc Engineering Ltd,

ASSEMBLY LINES

- Starter motor assembly line
- Wiper motor assembly line
- AC motor assembly line,
- Armature assembly ,
- Alternator assembly line,

Available Facilities

Free flow conveyor, pallet conveyor, slot conveyor, chain conveyor, equipped with all assembly process requirements like bowl feeders, vacuum feeders, tightening tools [pneumatic, electric, servo nut runners] . pressing, leak testing , performance testing stations., welding machines



SUBMERSIBLE MOTOR ASSEMBLY LINE



6" SUBMERSIBLE MOTOR ASSEMBLY LINE



BLOWER MOTOR ASSEMBLY LINE



STARTER MOTOR ASSEMBLY LINE



PUMP ASSEMBLY LINE

Our Customers:

Invent Solutions Pvt Ltd, Lucas TVS Ltd, Unnati pumps Ltd, CRI Pumps Pvt Ltd, Prabha Engineering Pvt Ltd, Yamaha Motor India Ltd, Robert Bosch India Ltd,

SPECIAL PURPOSE MACHINES

- Grinding wheel segment machines
- Core moulding machines
- Paper Insertion
- Pin insertion
- Magnet insertion
- Potting machines



**DOUBLE ACTING
4 TON SERVO PRESS**



**MAGNET INSERTION
& RIVETING MACHINE SPM**



**SERVO PRESS FOR
GRINDING WHEEL SEGMENT**



ARMATURE PIN LACING



STATOR WINDING MACHINE



TAPPING MACHINE

Our Customers:

Carborundum Universal Ltd, Danfoss Industries Pvt Ltd ,Minda Autoelektrik Ltd ,
Lucas TVS Ltd, Pranav Vikas India Pvt Ltd, Rotomag Motors & control Pvt Ltd ,
Comstar Automotive Technologies Pvt Ltd, Dy Auto India Pvt Ltd

LEAK TESTING MACHINES

We are the manufacturers of leak testing machines by pressure drop method.

- Pump leak testing machine
- Starter motor leak testing machine
- UDS leak testing machine
- Pressure sensor leak testing machine
- Submersible Motor leak testing machine



STARTER MOTOR
LEAK TEST SPM



JET CALIBRATION



UDS LEAKAGE TEST BENCH



VACCUUM LEAK TEST RIG



ALTERNATOR PUMP LEAK TEST

Our Customers:

Lucas TVS Ltd, Unnatipumps Ltd, KSB Pumps Ltd, Albonair India Pvt Ltd, Ucal fuel systems.

MAGNETIZERS

Specifications

With 3000 jules to 24000 jules for the following products

- Starter Motor
- Wiper Motor
- Magneto

- Power Window, Blower Window
- DC Motors Of Various Types

- BLDC Fan
- Traction Motor



**4 POLE MAGNETIZER FOR
TWO WHEELER STARTER MOTOR**



**STARTER MOTOR
6 POLE MAGNETIZER**



DEMAGNETIZER



**MAGNETIZER
FOR EPS MOTOR**



**MAGNETIZER
FOR WIPER MOTOR**



**MAGNETIZER
FOR MAGNETO**

Our Customers:

Lucas TVS, Mahle Letrika Roots India Pvt Ltd, JSM Auto,
LAPL Automotive Pvt Ltd, Almighty Auto Ancillaries Pvt Ltd,
Robert Bosch India Ltd, Invent Solutions Pvt Ltd, Varroc Engineering Ltd

BALANCING & CORRECTION MACHINES

- Automatic Balance Correction Machines
 - Drilling Machines
 - Milling Machines
- Fan Balancing Machines

Products

Armature, Rotors, Magneto, Impellers



AUTOMATIC UNBALANCE
CORRECTION DRILLING MACHINE



AUTOMATIC BALANCE
CORRECTION



AUTOMATIC UNBALANCE CORRECTION
DRILLING MACHINE



AUTOMATIC UNBALANCE
CORRECTION DRILLING MACHINE



ARMATURE MILLING
MACHINE

Our Customers:

Varroc Engineering Ltd, Denso India Ltd, Indian Nippon Electrical Limited, Visteon Electronics India Ltd, MPL Subassemblies private Ltd, Metlomed India Pvt Ltd.

ASSEMBLY MACHINES

- Presses
- Pneumatic Presses
- Hydro Pneumatic Presses
- Servo Presses
- Air Hydro Presses
- Hydraulic Press
- (capacity 100kg – 2 Ton)
- (capacity 1 Ton – 2 Ton)
- (capacity 100 Kg – 9 Ton)
- (capacity 0.5 / 1 Ton / 2 Ton)



**STRUT ASSEMBLY
HYDRAULIC PRESS**



**AIR HYDRO & HYDRO
PNEUMATIC PRESSES**



BEARING PRESS



**CE BRACKET FRONT END COVER
BEARING SERVO PRESS**



**DOUBLE ACTING
4 TON SERVO PRESS**

Our Customers:

PMP Auto Components Pvt Ltd, Danfoss Industries Pvt Ltd, Invent Solutions Pvt Ltd, Lucas TVS Ltd, Kinetic Taigene Electrical Co.Pvt Ltd, Renault Nissan Automotive India Pvt Ltd, KSB Pumps Ltd, Pricol Engineering Industries Ltd ,LAPL Automotive Pvt Ltd, Aurangabad Electricals Ltd, Varroc Engineering Ltd, Wendt India Ltd

NOISE BOOTH

Specifications:

- Noise level inside 33 dB
- Noise isolation 50-60 dB

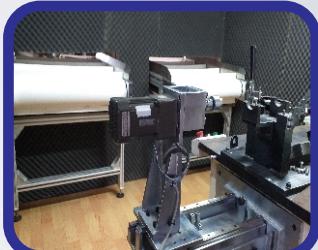
► Noise booth with conveyor



► Noise booth without conveyor



► Noise/vibration testing machine



Our Customers:

Nexteer Automotive India Pvt Ltd, Almighty Auto Ancillaries Pvt, Lucas Tvs Ltd , Johnson Electric Pvt Ltd, Dy Auto India Pvt Ltd ,Varroc Engineering Ltd.

OUR PRESTIGIOUS CLIENTS



We have displayed all our automation solutions provided to our existing customers, based on their specific requirements. We are capable of providing solutions to your requirements. All previous photographs displays our ability and that is not only our capability, we are growing technically to support you.



Address



Map

