

Welcome To

YANTRNA SYSTEMS



Introduction

Yantrna Systems Is an Industrial Automation solution provider and Engineering design/Development company

We have strong background of Process Automation and Electronic/Electro-mechanical development and various mfg processes , end to end solutions .

Our Vision is to satisfy our client by providing one step ahead solutions of their requirements.

We believe in simplicity and most advance technology adoption in any of our Developments, Engineering and automation solutions

Ensures that our client can depend and rely on us for all their aspects towards foolproof, cost effective and Productive solutions





Yantrina SystemsTM
Engineering for ever-e-things

Our Focus in new Technology



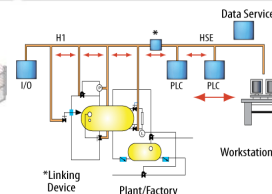
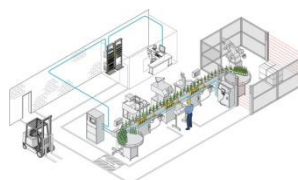
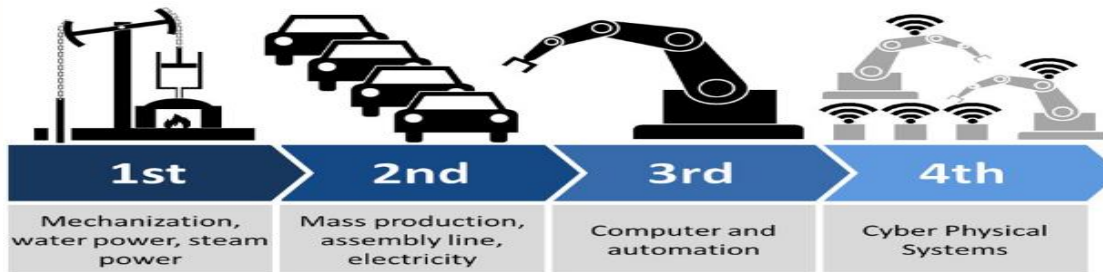
INDUSTRY 4.0

Assembly Line
Data Monitoring
& Data Logging

PLC SCADA
Solutions

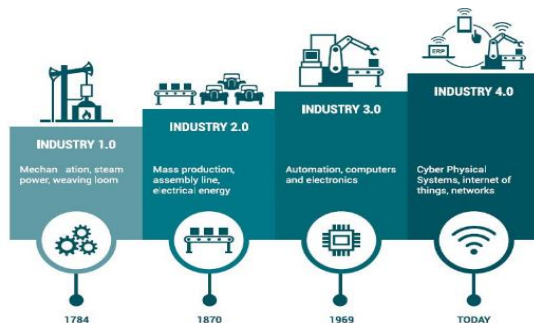
Front End PC
Software solution

Remote Monitoring
Solution



Our Core Capabilities

- ❑ Conveyors and Material handling systems
- ❑ Turnkey assembly line automation projects
- ❑ Process Control & Monitoring
- ❑ Testing Automation / SPM / Hydraulic press
- ❑ IOT – Remote monitoring and control



We upgrade and focus on new technology always





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Engineering for ever-e-things

➤ Valuable Customers

Mahindra
Rise.



Sundram Fasteners Limited

NEPTUNE ENTERPRISES

karloskar
Oil Engines



Essem Srinisons Systems Pvt. Ltd.

Reliable Mechatronics Ltd



ŠKODA Volkswagen



TATA AUTOCOMP SYSTEMS LTD

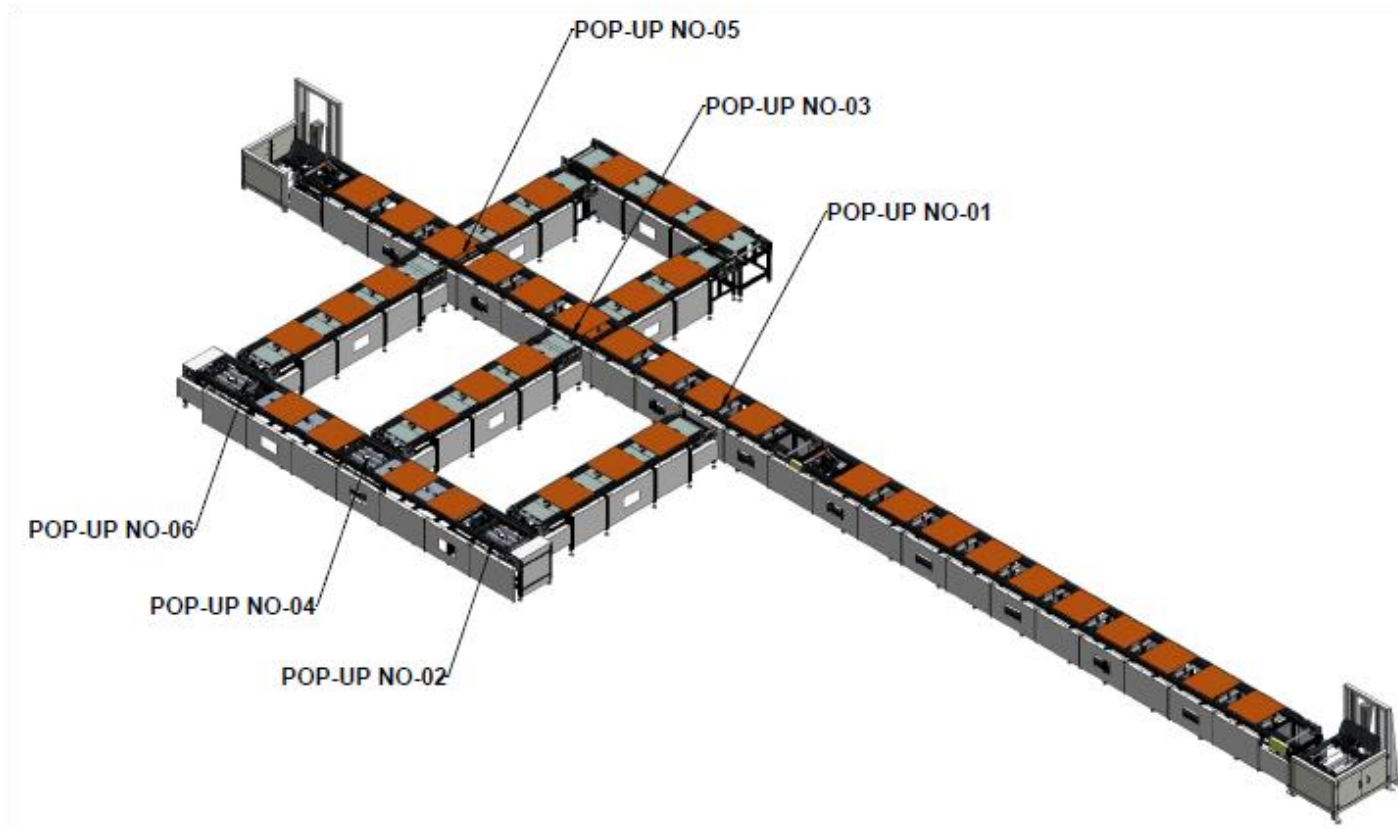
WINDAL AUTO





➤ Our successes stories

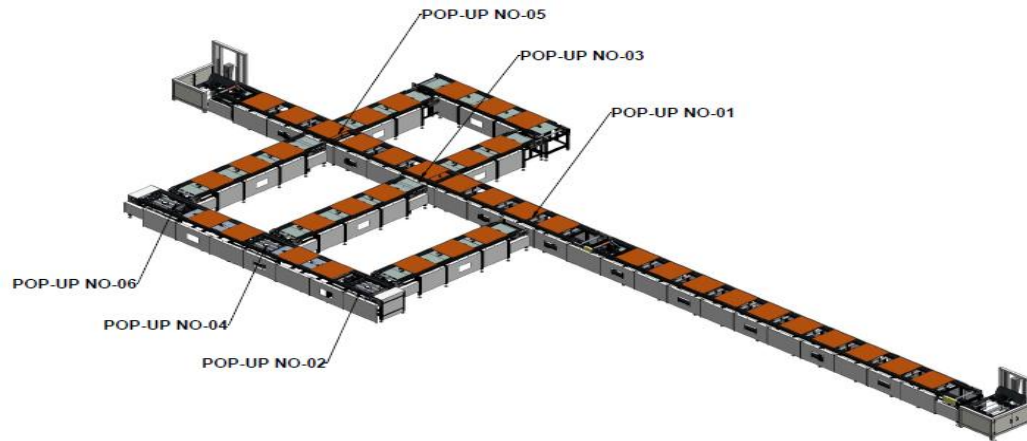
Pallet Conveyor





➤ Our successes stories

Pallet Conveyor



Customers :

➤ Lear Corporation Chennai Plant

- 45 Mtr Conveyor
- 25 mtr Straight Conveyor
- 3 X 5 Meter Extension Conveyor
- 10 Mtr. parallel conveyor
- 34 Stations
- 6 Pallet Transfer Units
- 2 Lifter units
- 360 Deg Pallets
- Load Cap: 200Kg per Pallet



➤ Our successes stories

Pallet Conveyor



Customers :

➤ **Lear Corporation**
Chennai Plant

- 45 Mtr Conveyor
- 34 Stations
- 360 Deg Pallets
- Load Cap: 200Kg per Pallet





Yantrna SystemsTM
Engineering for ever-e-things

➤ Our successes stories

Pallet Conveyor / Power Lifter



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Yantrna SystemsTM
Engineering for ever-e-things

➤ Our successes stories

Pallet Conveyor / Power Lifter

Power Lifter





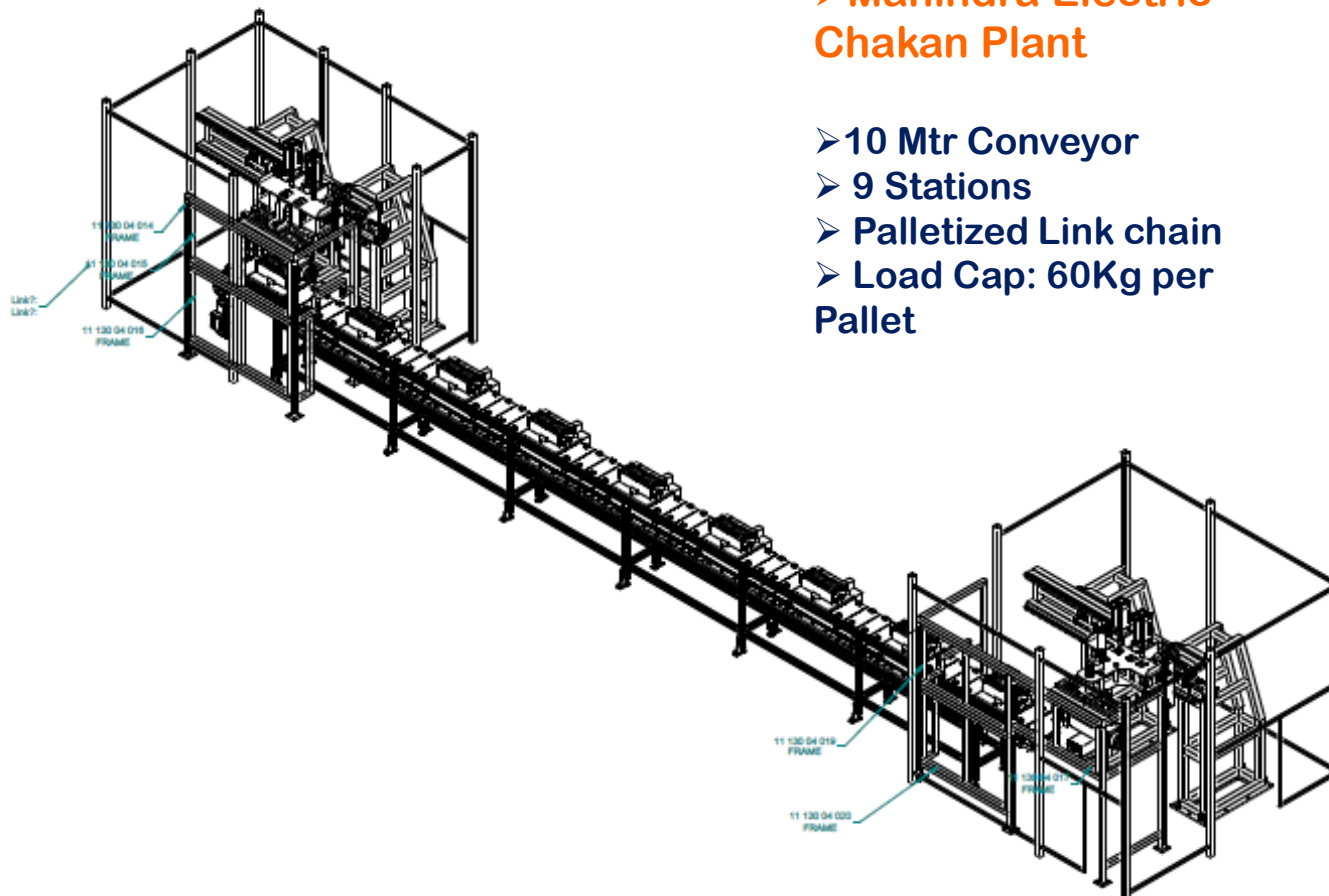
➤ Our successes stories

Pallet Conveyor / Pick and Place Gantry

Customers :

➤ Mahindra Electric
Chakan Plant

- 10 Mtr Conveyor
- 9 Stations
- Palletized Link chain
- Load Cap: 60Kg per Pallet





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➤ Our successes stories Pallet Conveyor / Power Lifter



➤ **Our successes stories**
Roller Conveyor





Yantrna SystemsTM
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➤ Our successes stories

Scissor lifts / Decking carts

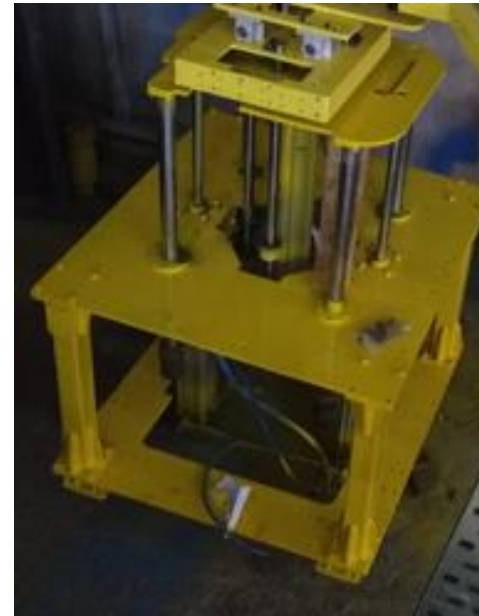


Hydro Pneumatic decking Cart With Air caster wheels



➤ **Our successes stories**
Scissor lifts / Decking carts

Hydraulic Decking Cart





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➤ Our successes stories Scissor lifts / Decking carts

Pneumatic Decking carts





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➤ Material Handling Systems

Over head cranes , push pull trolley systems



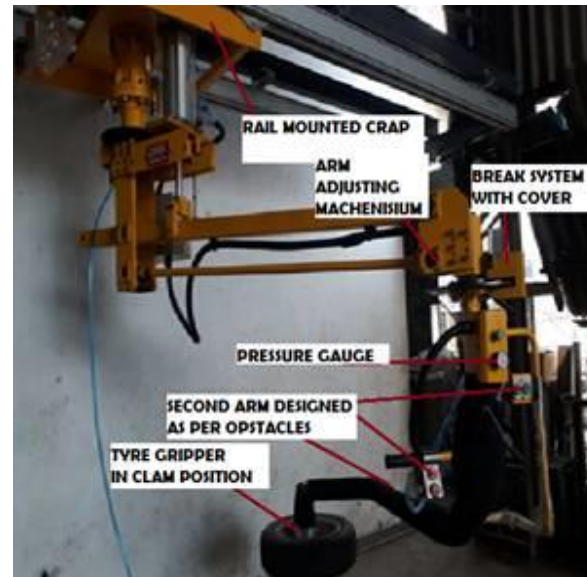
ALL KIND OF
TROLLYS MATERIAL
STORAGE RACKS ,
LIFTING EQUIPMENT





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➤ Material Handling Systems Zero Gravity Manipulators



➤ Our successes stories
JIB CRANE



RAIL SYSTEM





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➤ Our successes stories

Welding Fixtures



➤ **Our successes stories**

Hydraulic Press C type And H type





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➤ Our successes stories Hydraulic Press Horizontal Type



➤ Our successes stories

Assembly line setup & Automation (press shop)

Automated inline Hydraulic press

Customers :

➤ **Mahindra and Mahindra (Zahirabad)**





➤ Our successes stories

Assembly line setup & Automation

Automated inline DC
torque wrench automation



Control Panel



Power Lifter spm



➤ Our successes stories

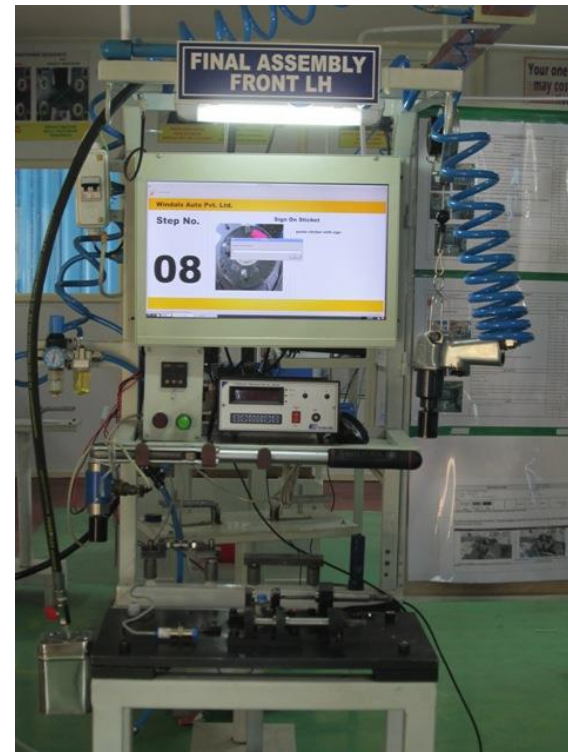
Assembly line set up & automation (sub assembly line)

➤ End Of line test with
Poka-yoke and interlocks



Customers :

➤ **Windal Auto - Rudrapur**



➤ Our successes stories

Assembly line set up & automation (sub assembly line)



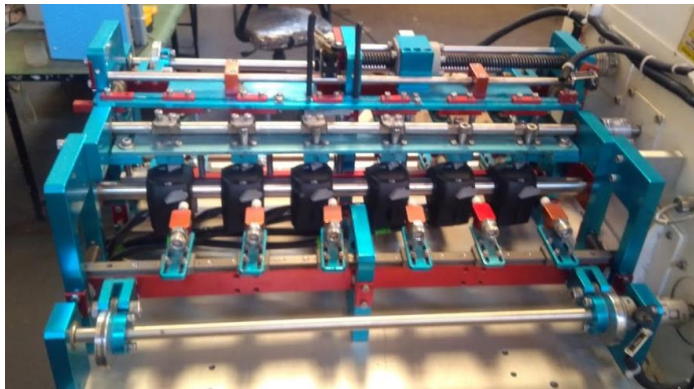
➤ End Of line test with
Poka-yoke and interlocks

Customers :

➤ **Switch Assembly Line**



➤ End Of Line Systems (Test Rigs) Electro- Mechanical parameter testing



➤ Our successes stories

Pick To Light Systems (sub assembly line)



Customers :

- Mahindra and Manhindra
- Honeywell Turbo Systems
- Varroc

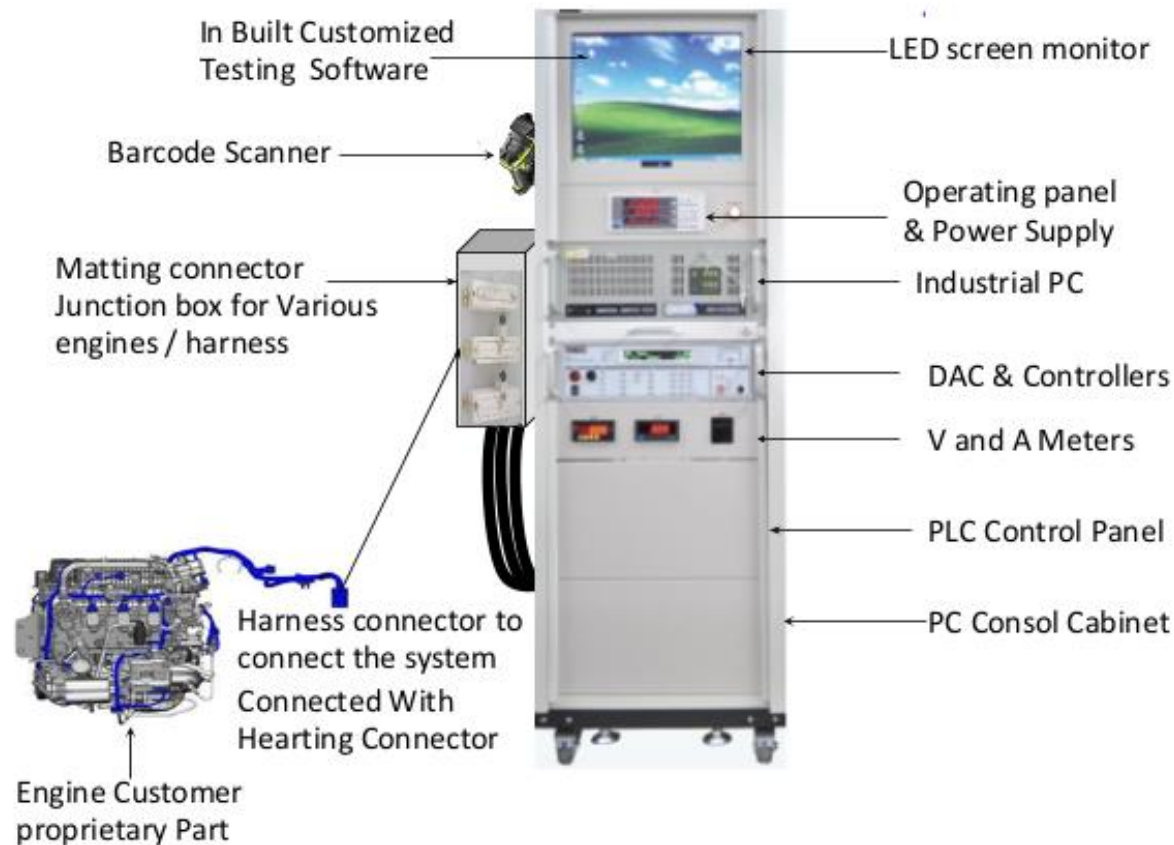




➤ Our successes stories

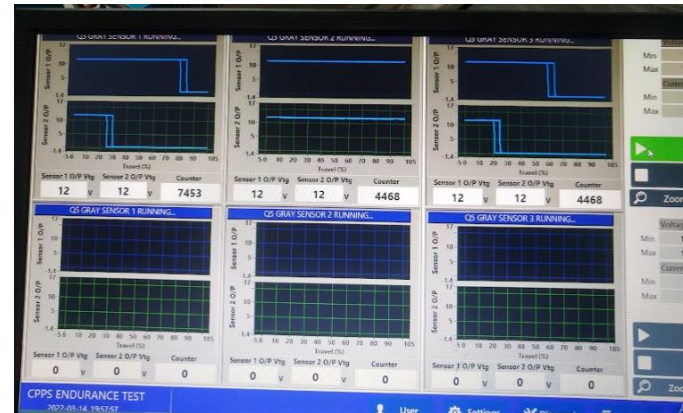
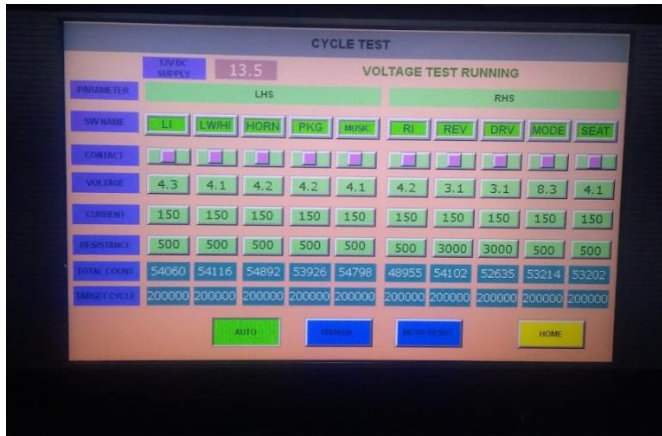
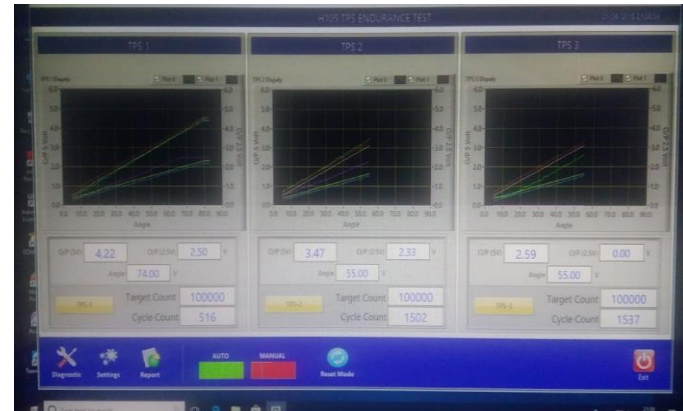
Engine test Rig (In house manufacturing)

System Look



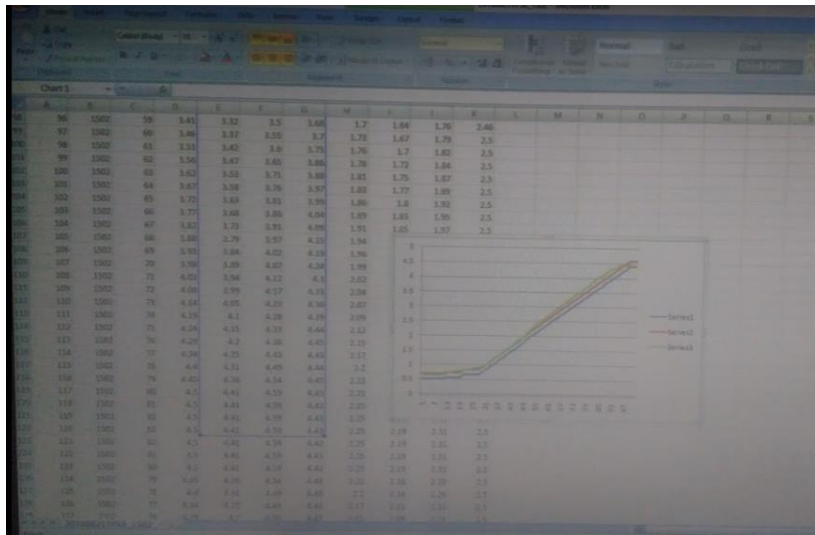
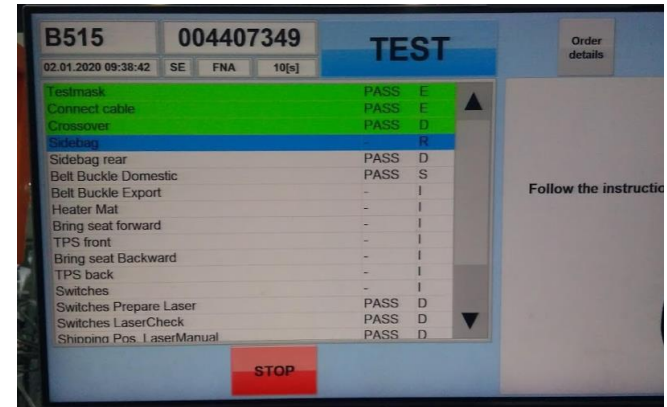
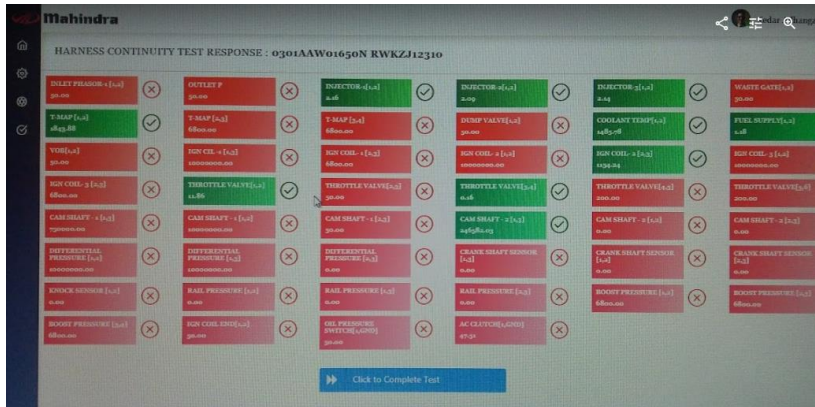
➤ IOT Based Software (For Test Rigs)

Front end and backend software



➤ IOT Based Software (For Test Rigs)

Front end and backend software





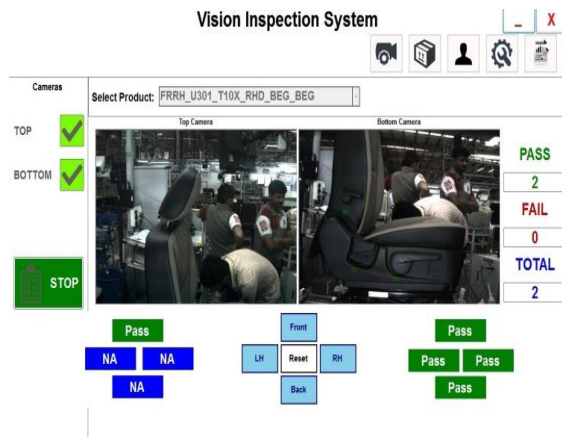
➤ Our successes stories

Control Panel (In house manufacturing)



➤ AOI / Automatic Vision Inspection systems (Camera based)

Online Inspection systems Automotive seat application



Missing/Wrong component identification.

E.g. Fuse box inspection, switch inspection, PCB inspection, printing inspection,

Measurement system

E.g. rubber component quality inspection, PCB track width calculation, turned component inspection

Control Systems

E.g. Punch position identification, production counters, fuel quality control for jet planes

Intensity/color identification

E.g. color pencil sorting, Light ON/OFF identification



Measurement application

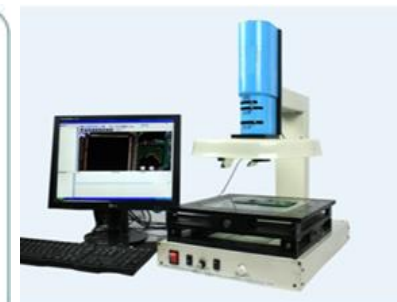


Intensity Color Checking application

- Integration With Mechanical Automation
- Turnkey System
- Mechanical Poka Yoke
- Lcd Display For Image Analysis
- Pass Fail Indication
- Cycleic Inspection
- Less Cycle Time
- Inspection Repeatability
- Less Manpower
- Accurate Inspection

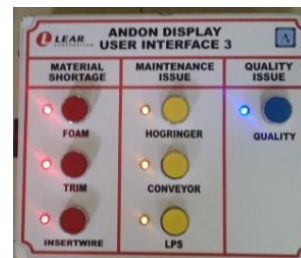


PCB application





➤ Andon Display System.



In-house Facilities

Machine Shop:



List of machines :

- Milling Machine (conventional) – 3Nos.
- Jig Boring Machine (conventional) - 1Nos.
- M1TR – 1 number
- Drilling Machine – 1 number
- Jig Saw – 1 Number
- Bench Grinder – 1 Number.
- Air Compressor

Measuring Equipment :



List of measuring equipment :

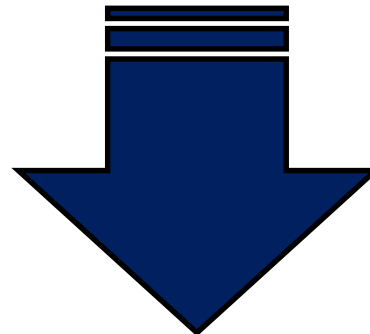
- Oscilloscope (Agilent make) – 1 Number
- Multimeter (Fluke Make)– 2 Nos.
- Current Meter (Fluke make)- 1 Number.
- Digital Vernier – 2 number
- Vernier Caliper – 1 number
- Micrometer – 1 Number
- Height Gauge – 1 Number.



Machining & Tooling Facility Overview

Our Expertise

- 1) Jigs and Fixture design development and mfg.
- 2) Machining and tooling
- 3) Heavy duty VMC precession machining
- 4) Turnkey Project Execution
- 5) Line simulation and automation consultant



Machining Facilities

5.5K SQUARE FEET AREA



Machining Facilities

Double VTEC COLUMN VMC :- 1



Double VTEC COLUMN VMC :- 2



CHAKAR BMV 60 VMC :- 3

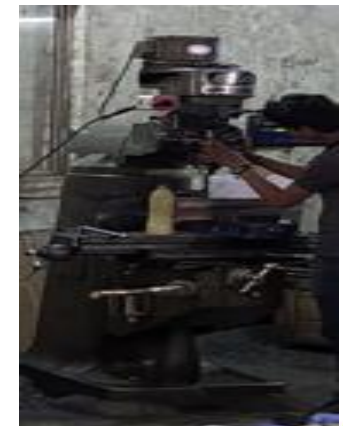


BFW XTRON VMC :- 4





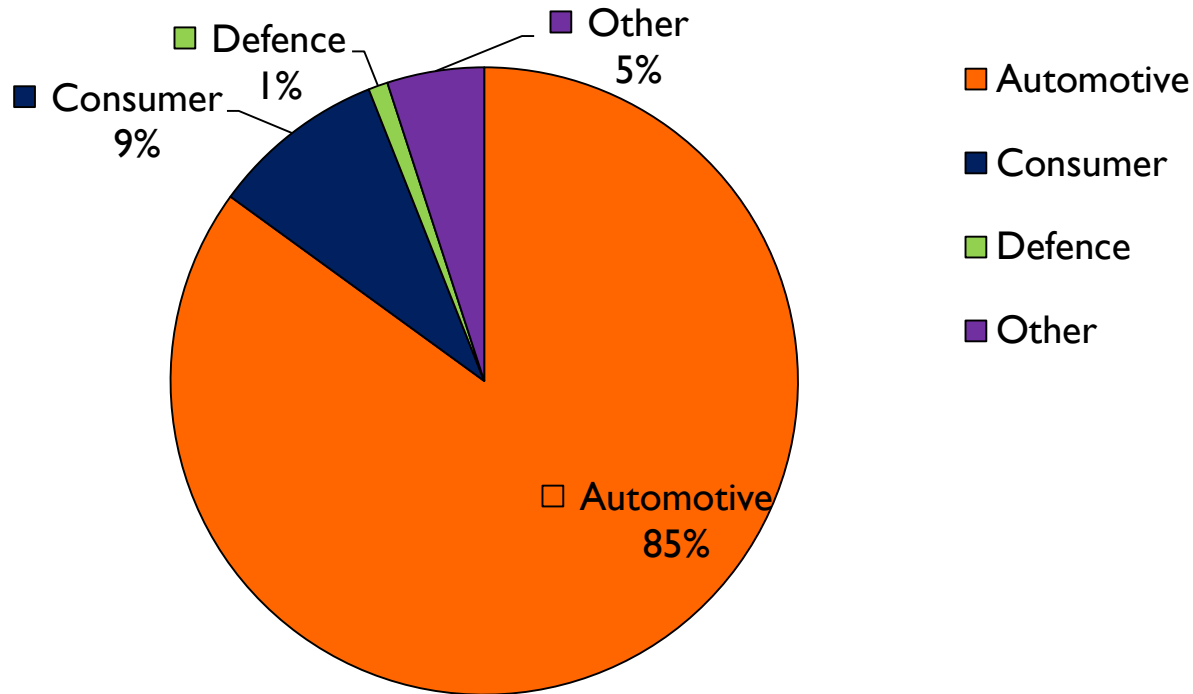
Conventional Machines





Segment wise Business

Yantrna Systems customer segment



Annual Turnover = 50 million INR





TEAM

Machine / Shop floor :

- **HOD**
- **Supervisor - 1**
- **QA - 1**
- **Operator 2**

Software Programming:

(PLC , Embedded , Lab view)

- **HOD**
- **Engineer 1**
- **Field application Engineer - 2**

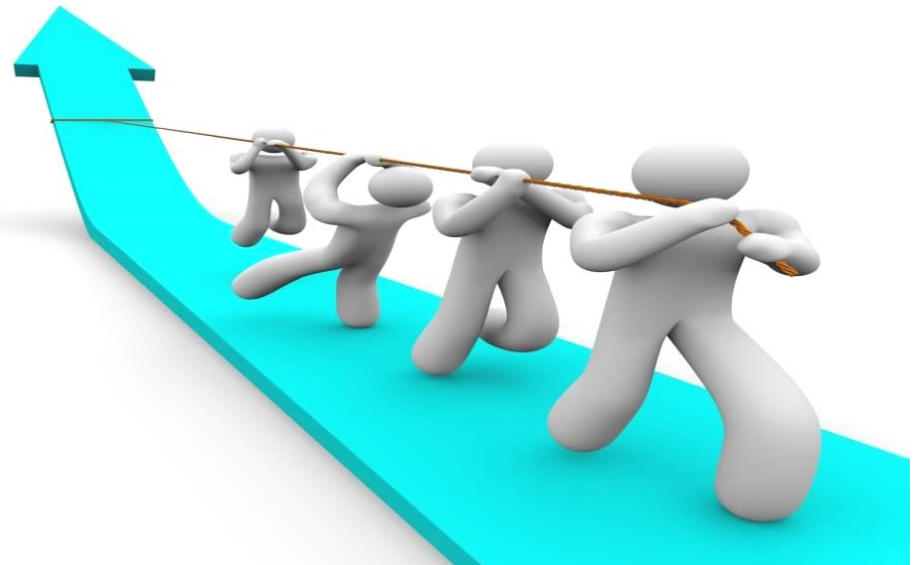
Mechanical Design :

(Creo , Solid works)

- **Senior engineer 1**
- **Engineer - 2**

Assembly and Site support:

- **Engineer - 3**
- **Worker - 2**



Thank you

Contact Details:

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