



Ideate | Innovate | Automate

**Complete Solution Provider for Factory Automation, Assembly Line & Material Handling Equipments.**



# About Us...



## Creative Start

A

We had humble beginning in Year of 2005



## Location

B

11000 sq ft. plant Located in Ambad MIDC, Nashik



## Team

C

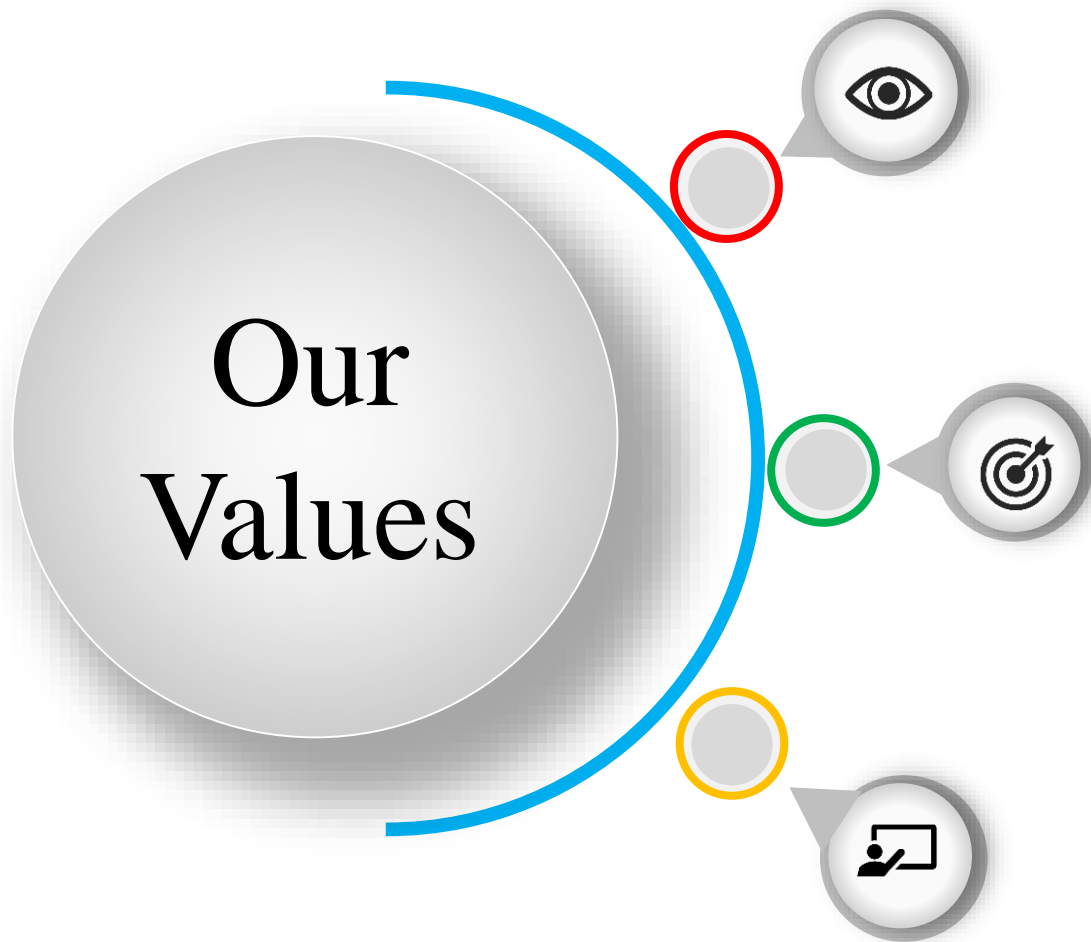
Proud team of 50+ highly qualified & experience professionals from all streams



## Growth

D

Enormous growth over a period of 12 years, making the company financially self reliant



## Vision

By keeping value addition as a prime goal for our esteemed customers we always have a vision to apply new ideas, which are appropriate solutions, innovated to elevate the productivity by automating.

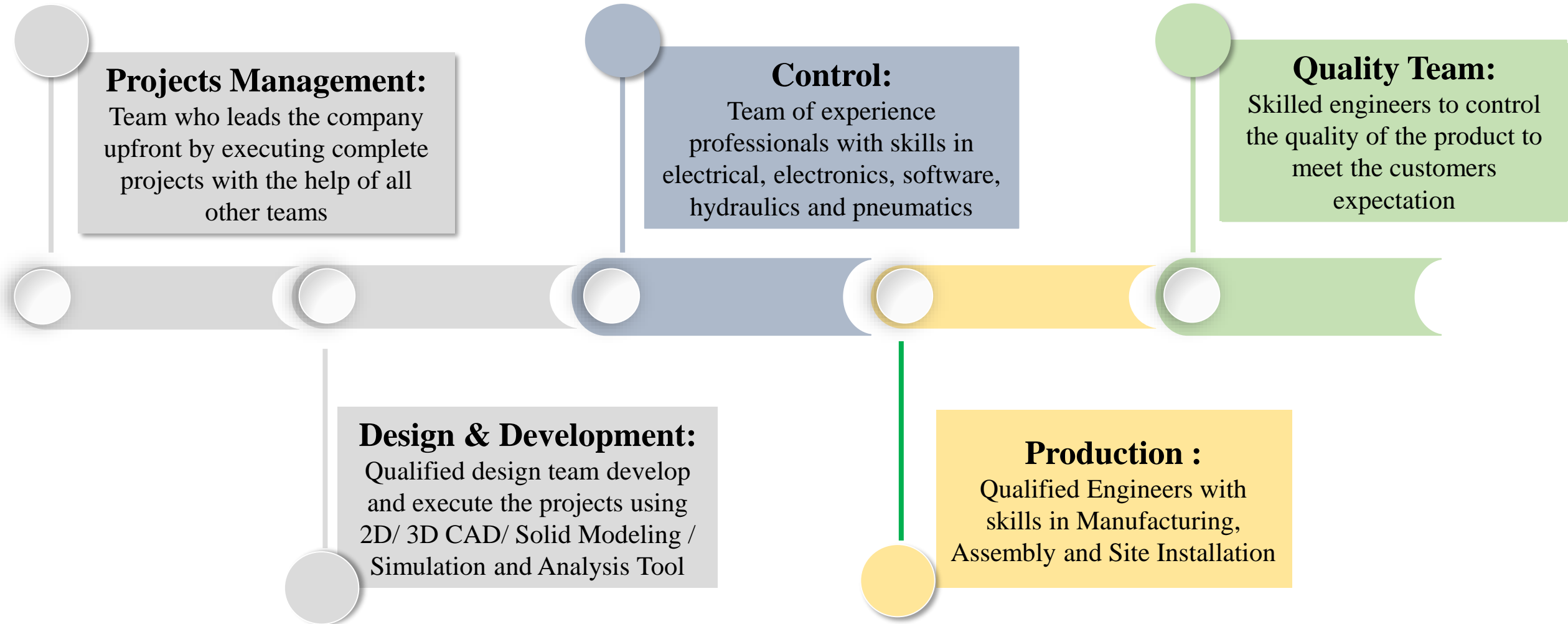
## Mission

To emerge as an industrial leader in the automation segment to offer quality, safety & cost effective solutions for achieving the precise needs of customer by optimum utilization of man power & infrastructure.

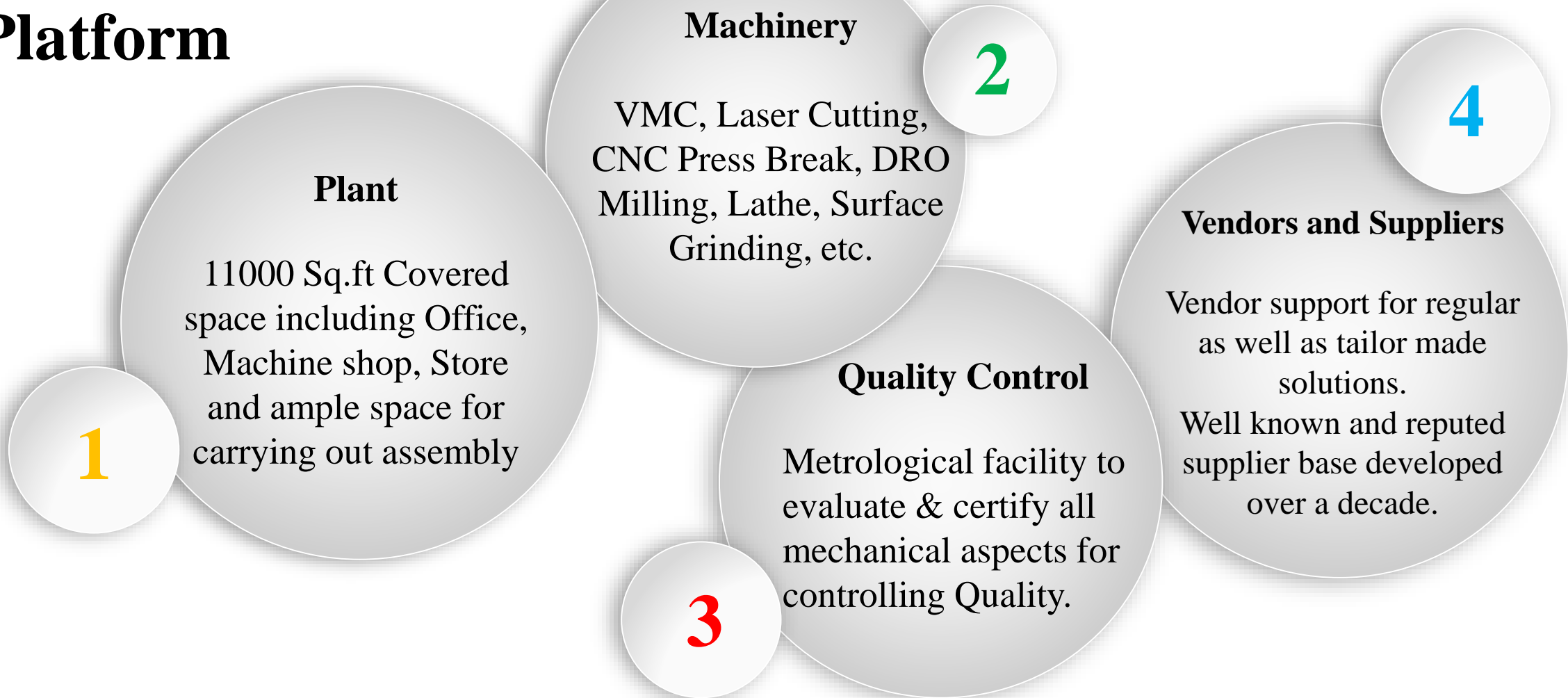
## We Believe In

Simplicity over the complex solution.  
The excellence in every aspect of the solution we provide than settling for anything less

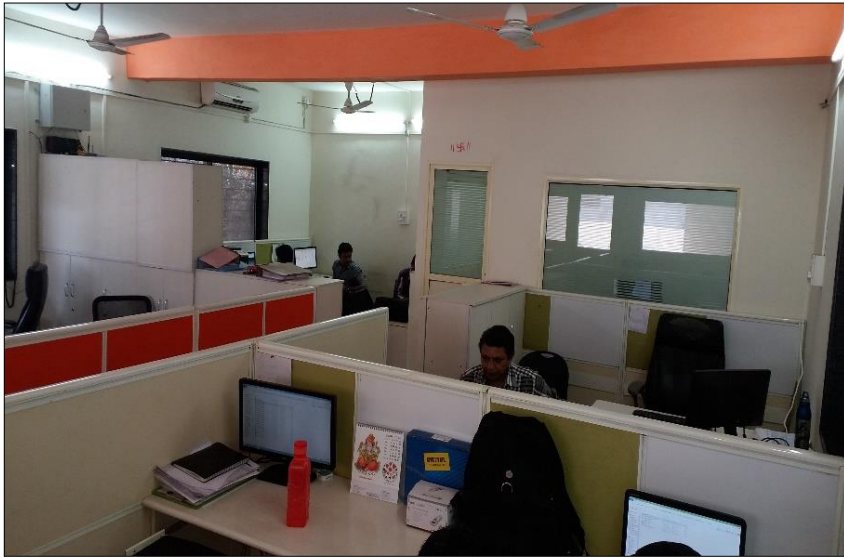
# Process Flow



# Infrastructural Platform



# Infrastructural Platform



# Products

- Assembly Lines
- Testing Equipment
- Control Panels
- Software Development
- Special Purpose Machines
- Conveyors
- Jig & Fixtures
- Work Stations & Racks
- Two Bin Systems
- Trolleys
- Manipulator and Tackle
- Standard Products



# Assembly Lines



**Breaker Assembly Line**



**Breaker Assembly Line- Rear View**



# Assembly Lines



**Busbar Assembly Line**



**Busbar Assembly Line**

# Assembly Lines



**MCCB Assembly Line**



**Mechanism Assembly Line**



# Assembly Lines



**MCB Assembly Line**



**Pump Assembly Line**

# Assembly Lines



**Escalator Assembly Line**



**Steering Valve Assembly Line**



# Assembly Lines



**Inductor Assembly Cell**



**Pole Assembly Cell**



# Testing Equipment

Ideate | Innovate | Automate



**Universal Contact Alignment Fixture**

**Side View**



**Front View**



# Testing Equipment

Ideate | Innovate | Automate



**Busbar HV & IR Test-station**



**HV, IR, Schematic Test-station**



**Breaker HV & IR Test-station**



# Testing Equipment

Ideate | Innovate | Automate



**Endurance Test Rig**



**Breaker Operation Kit**



**Force & Friction Measurement**



**Force Measurement Fixture**

# Control Panel

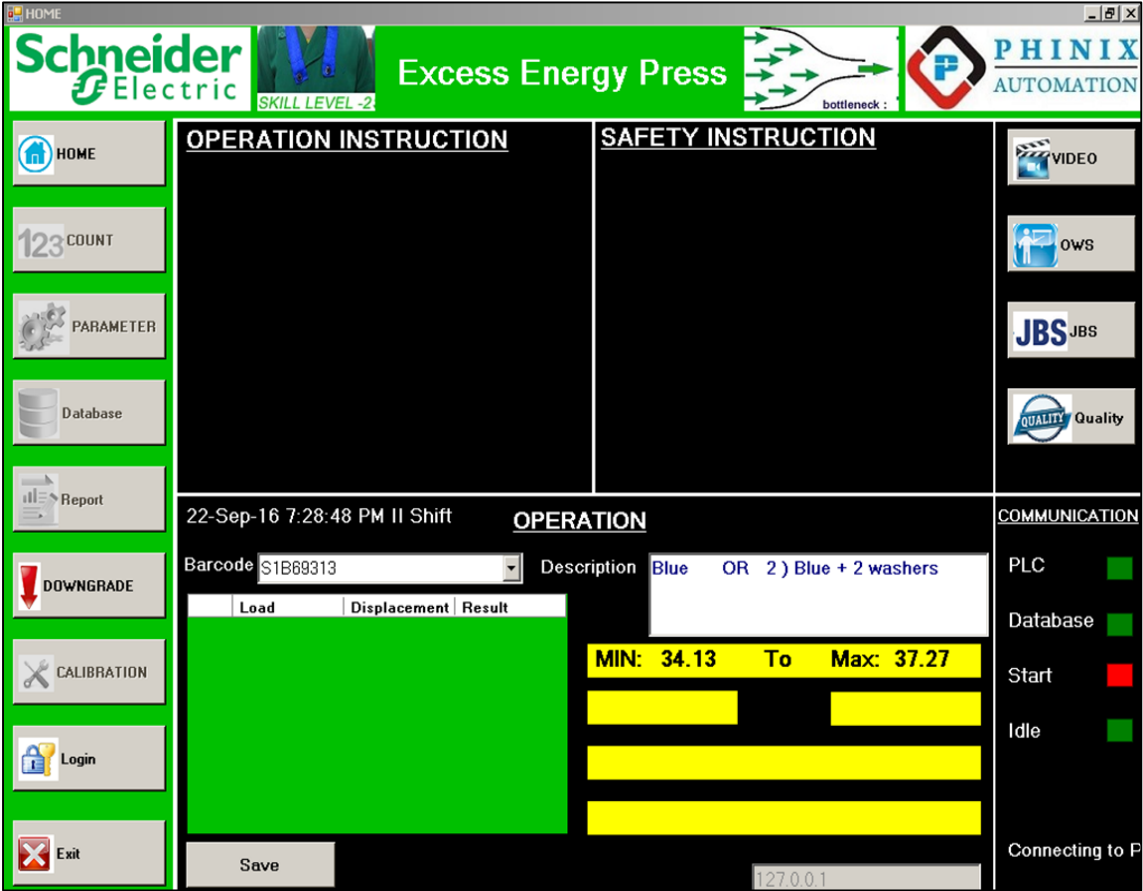
Ideate | Innovate | Automate





# Software Development



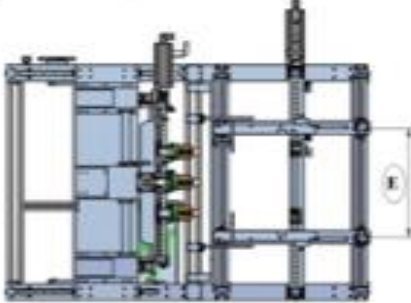
Ideate | Innovate | Automate






# Software Development

Ideate | Innovate | Automate




109



Shutter Color

109



Contact Pin Color Code

Procedure Sequence

Remarks

Contact pin replacement

Refer Drawing


Shutter lifting bracket position

Refer Breaker dimension sheet


Guide pin replacement

Refer Breaker dimn sheet.Ensure that manual replacement should not be carried out. Try to make it one plate commor for 3 variants.

CONFIRM



Abort



Servo Positioning Distance

Cylinder Position

Servo Target Distance (mm)

Servo Actual Distance (mm)

Fixtue will automatically move all co-ordinates to desired position

Place Racking on the fixtue

Mount RL2 coil or BT3 in case of Turkey

Breaker Dimension

PGNo	Rated Voltage U <sub>r</sub> (kV)	Rated Normal Current I <sub>n</sub> (Amp)	Rated Breaking Capacity I <sub>cs</sub> (kA)	Pole Center Distance (mm)	Pole Center Height (mm)	Wheel Base to Pole Center Height (mm)	Contact Pin Pin (mm)	Wheel Base Distance (mm)	Racking slot outer face to contact pin front face (mm)	Racking slot outer face to top front face	Racking travel (mm)	Height from wheel base to Shutter bracket top inside face	Height from wheel base to Shutter bracket bottom inside face
TVDU09004-YN	12	12	25	150	205	280	589	200	759	503	109	109	76

# Special Purpose Machine



**Six Pack Assembly Unit**



**Coil Crimping Press**



**Five Side Sheet Welding SPM**



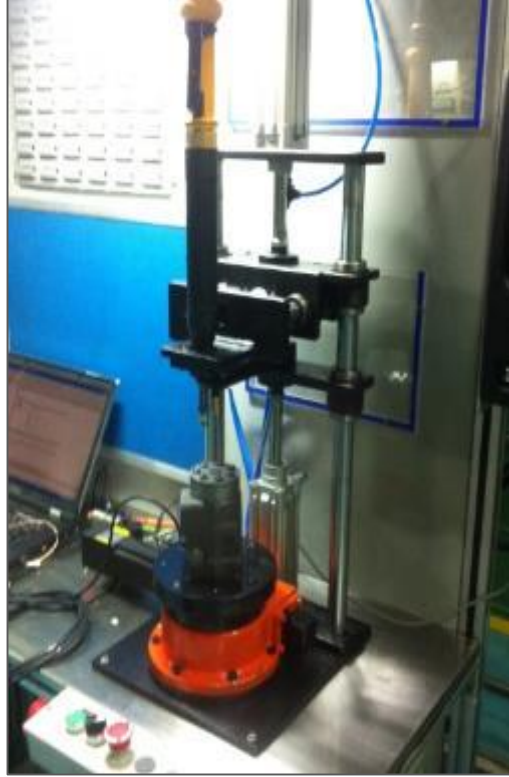
**Skids for Engine Movement**



# Special Purpose Machine



**Riveting Press**



**Bolting SPM**

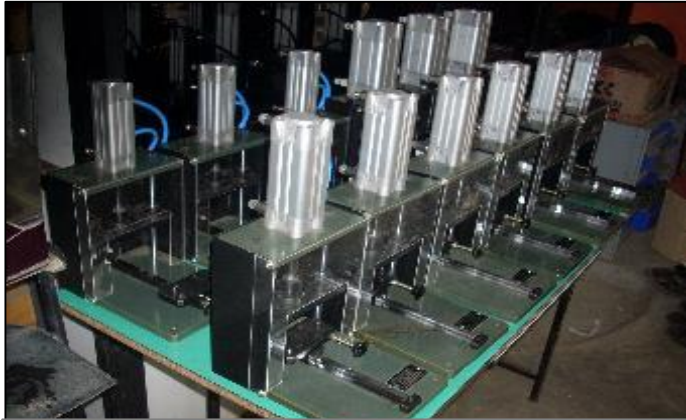


**Bolting SPM**



**Gearbox Assly. SPM**

# Special Purpose Machine



**Pneumatic Press**



**Busbar Assembly Rotary Unit**



**Five Side Welding SPM**



**Core Part Loading SPM**



**Pneumatic Lifter**



# Conveyors

Ideate | Innovate | Automate



**Slat Conveyor for Shock  
Absorber**



**Belt Conveyor for Warehouse Box  
Handling**



**MS Roller Conveyor for Breaker  
Assembly**



# Conveyors

Ideate | Innovate | Automate



**Chain Conveyor for Shock Absorber**



**Slat Chain Conveyor for Pump Assembly**



**Grinding Conveyor**

# Conveyors

Ideate | Innovate | Automate



**PU Roller Conveyor**



**PU Roller Conveyor**



**PU Roller Conveyor with Ball Top**



# Jigs & Fixtures



**VI Box Assembly Fixture**



**Sheet and Pipe Welding Fixture**



**Stud & Stiffener Welding**

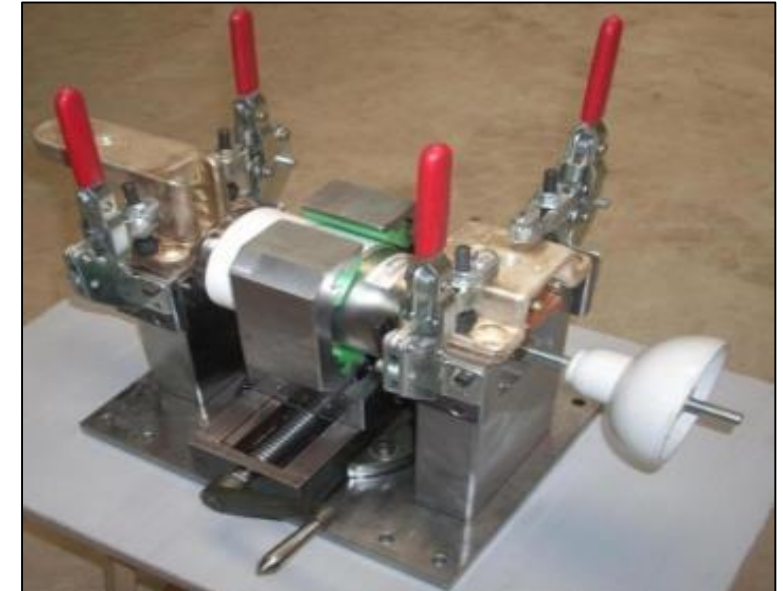
# Jigs & Fixtures



**Moving Contact Assembly Fix.**



**Interrupter Assembly Fixture**



**Pole Assembly Fixture**



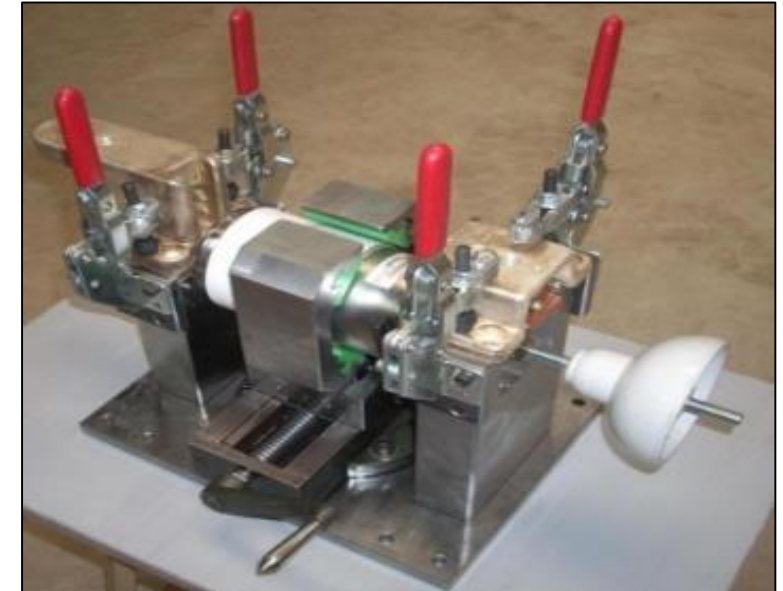
# Jigs & Fixtures



**Moving Contact Assembly Fix.**



**Interrupter Assembly Fixture**



**Pole Assembly Fixture**

# Assembly Workstation





# Assembly Workstation



# Two Bin System

Ideate | Innovate | Automate





# Trolley

Ideate | Innovate | Automate



# Manipulator and Tackle



**Core Part Lifter**



**Inductor Lifter**



**Drive Assembly Tackle**



**Pneumatic Tackle**



# Standard Products

Ideate | Innovate | Automate



**Spring Loaded Castor Ladder**



**Movable Tool Cabinet**



**Self Leveling Trolley**

# Standard Products

Ideate | Innovate | Automate



**Overhead PC Enclosure**



**Movable PC Station**



**Wrapping Machine**



# Standard Products



**E-Type Scissor Lift**



**Docking Scissor Lift- 2 Ton**

# Standard Products



**Operator Lift**



**Ergonomic Workstation**



**Electric Stacker**



# Authorized Sales Partner For

Ideate | Innovate | Automate



more sensors, more solutions



# Our Esteemed Customers

Ideate | Innovate | Automate

- Schneider Electric India Pvt. Ltd.
- Siemens Limited.
- ABB Limited.
- Crompton Greaves Ltd.
- Federal Transformer Co L.L.C., UAE
- Cummins India Ltd.
- Cummins Generator Tech. Ind. Ltd.
- VE Commercial Vehicles Ltd.
- Bosch Ltd.
- Bombardier Transportation India Ltd.
- Emerson Climate Technologies (Ind.) Ltd.
- Eaton Industrial System Pvt. Ltd.
- KSB Pumps Ltd.
- Haldex India Pvt. Ltd.
- Atlas Copco (India) Ltd.
- Montenari Lifts components Pvt Ltd.
- GE India Industrial Pvt. Ltd.
- Epcos India Pvt. Ltd.
- Samsonite South Asia Pvt. Ltd.
- Endress+Hauser Flowtech Pvt. Ltd.
- Mahindra & Mahindra Ltd.
- Gabriel India Ltd.
- Lear Automotive India Pvt. Ltd.
- Ammunition Factory.
- Bajaj Sons Ltd.
- Toshiba India.
- Federal Mogul India Ltd.
- Grupo Antolin-India
- The Supreme Industries Ltd.
- Endurance Technologies Pvt. Ltd
- Socomec HPL Pvt. Ltd
- TI of India Ltd.
- Reliable Autotech
- Polycab Wires
- Nirmal Industries
- Kimplas Piping Systems Ltd.





Ideate | Innovate | Automate

# PHINIX AUTOMATION

Plot No. F-2/1, MIDC Area, Ambad, Nashik – 422 010

E-mail: [info@phinixindia.com](mailto:info@phinixindia.com)

Web: [www.phinixindia.com](http://www.phinixindia.com)

