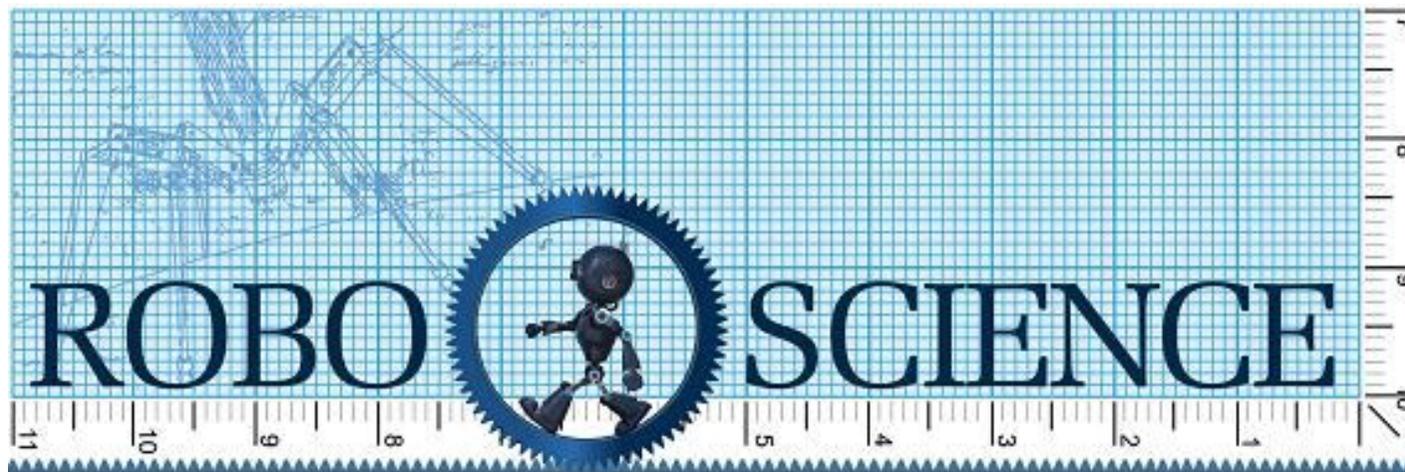


RoboScience India Pvt. Ltd, Pune

COMPANY PROFILE

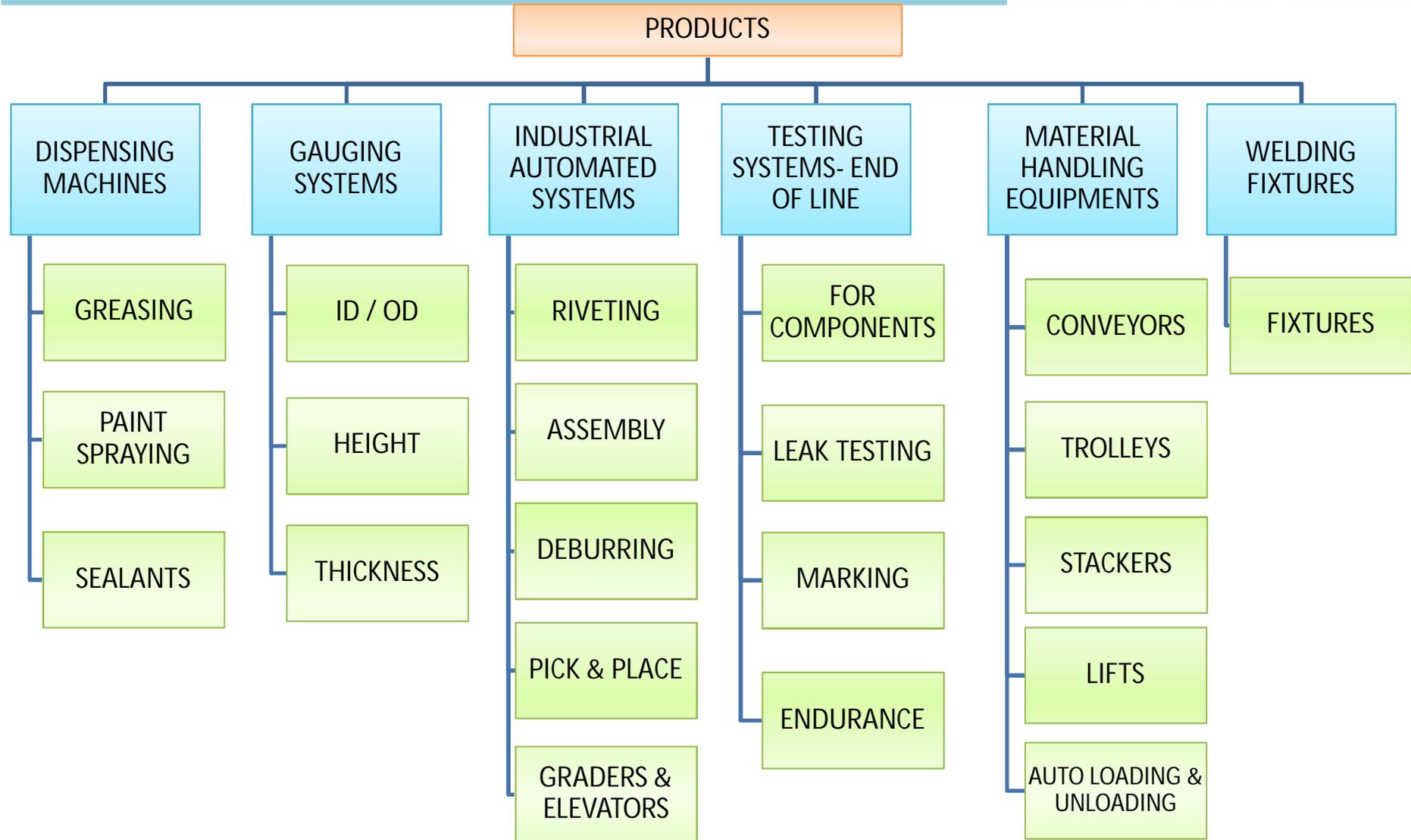
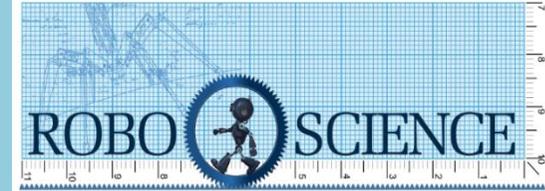


About Company:



- RoboScience India Pvt. Ltd. has a collaborative & investment relationship with RoboScience Inc. USA especially in the areas of technology transfer and conquering global markets.
 - Started its operation in Pune India in May 2012.
 - Company has strategic partnership with Delight Process Designers & Automation Pune.
- **We are system integrators for :**
- Special Purpose machines
 - Industrial Automations
 - Material Handling Automation
 - Provide Turnkey Solutions for automations

Our Product Segments:



Facility at RoboScience:



- We have our in house well equipped facility for Design & Assembly of automation system.
- Engineering Team : 02 Technicians for Production , 4 for Assembly and Service
- Total Office space available : 1,000 sq. feet
- Total assembly shop space available : 10,000 sq. feet



RoboScience India Pvt. Ltd.

Manufacturing Facility at Delight Automation:

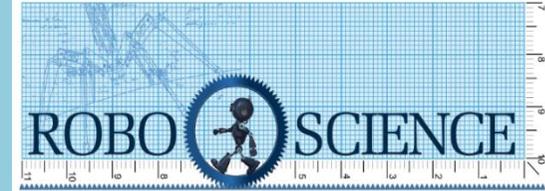


- Workforce : 30 Skilled people
- **Machinery Available:-**
- VMCs BFW 600X600X500mm-01 No.
- Jig Boring Machine 1000X1000X750 (SHIP Geneva Suisse) -01 No.
- Jig Boring Machine 700X400X250 (M1TR TYPE) -05 Nos.
- Surface Grinding Machine-03 Nos.
- Milling Machines Vertical – 03 Nos.
- Milling Machines Universal– 05 Nos.
- Lathe Machines-04 Nos.
- Jig Saw:-01 No.
- Drilling Machines-01 No.
- Bench Grinders-01 No.
- Welding Machine- Co2 & Organ- 02 Nos.
- CNC Lathe HMT with Turret-02 Nos.

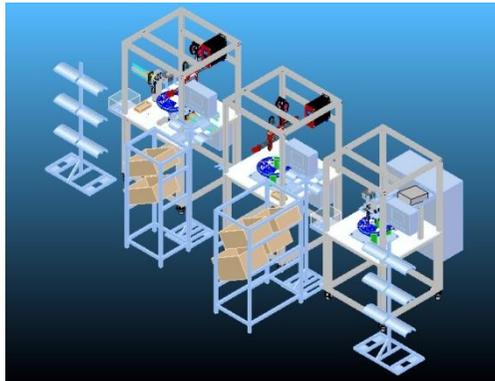


RoboScience India Pvt. Ltd.

Our Products:



STEERING WHEEL ASSEMBLY & EOL TESTING



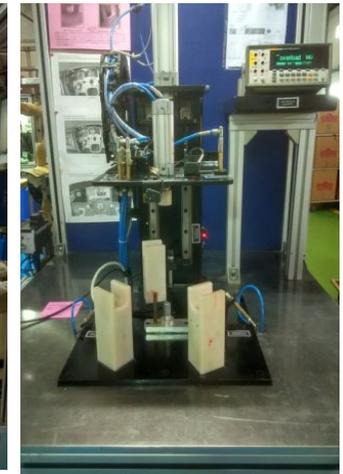
ST. 01



ST. 02



EOL TESTING



Application – Steering wheel & switch assembly & switch testing

Design Elements : Al. station frame, St. wheel tilt fixture, DC screw driver, EOL switch testing, barcode printing

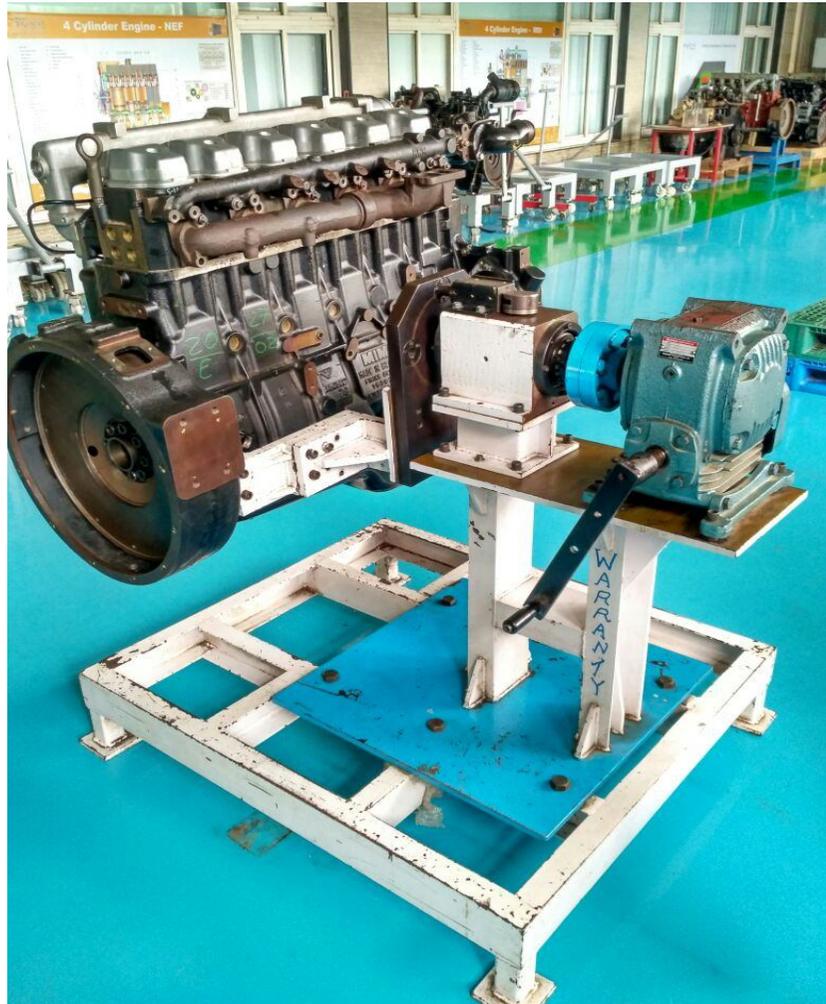
Component – Steering wheel

Cycle Time – 55 sec/component

Our Products:



ENGINE ROTATION FIXTURE



Application:-Engine rotation
Design Elements:- Base frame, manual gearbox, spindle housing, indexing fixture to accommodate 4 variants

Component :- 4 variety of assembled engines.

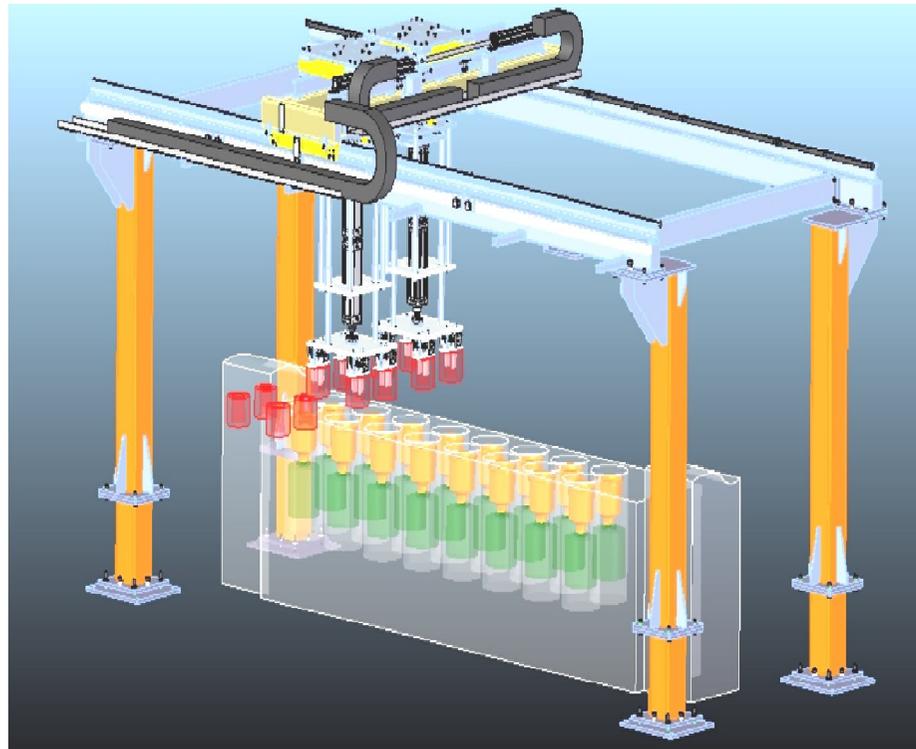


RoboScience India Pvt. Ltd.

Our Products:



PICK & PLACE GANTRY SYSTEM



Application:- Automatic loading & unloading of thread cones in hydra extractor (textile industry)

Design Elements:- Conveyor, 3-axis gantry, pneumatic gripper, servo control, integration with hydra extractor machine

Component :- Thread cone.

Cycle Time:- 2 min/ 8 Component.

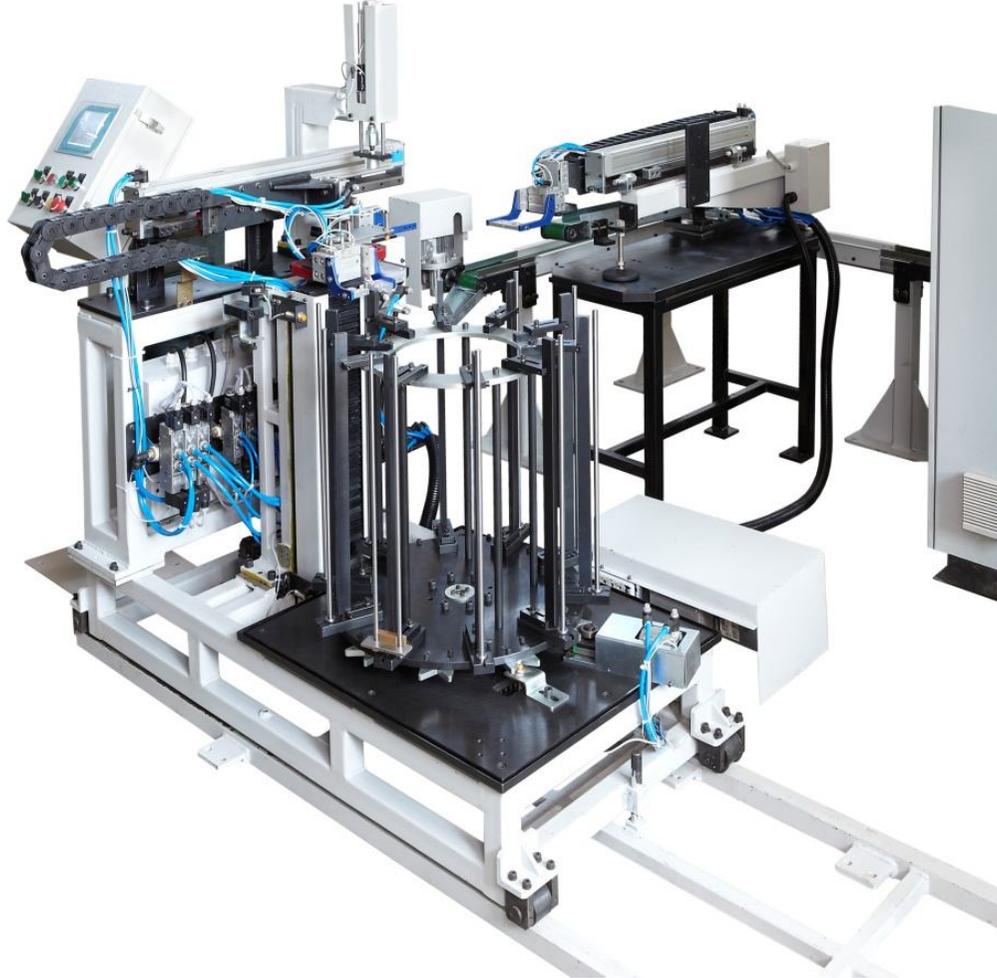


RoboScience India Pvt. Ltd.

Our Products:

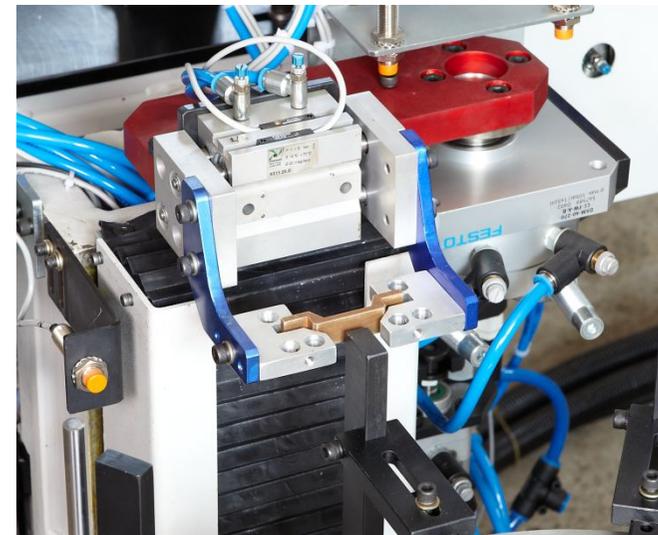


AUTOLOADING SYSTEM FOR SIZING PRESS



Application:-Sinter product auto loading
Design Elements:- indexer, fixtures, checking unit, loading slides, grippers, ejection unit & sorting mechanism

Component :- 15 variety of component.
Cycle Time:- 3 Sec/ Component.



RoboScience India Pvt. Ltd.

Our Products:



LIQUID GASKETING MACHINE



Application : Robotic RTV Application and Oil Seal pressing

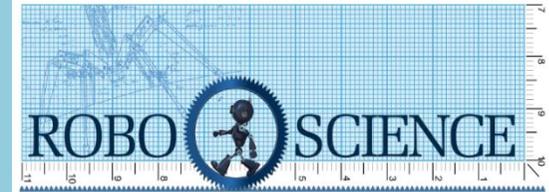
Design Elements : Machine Frame structure, Component loading ,fixture, seal, pressing arrangement, pneumatic sliding, Programming

Component : Banjo Beam axle

Cycle time : 50 sacs/component



Our Products:



DRILLING MILLING REAMING SPM

DRILLING

MILLING

REAMING

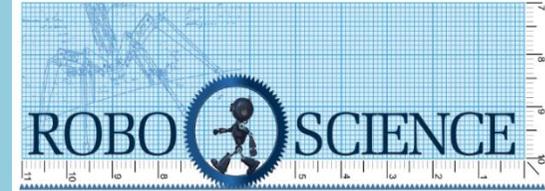


Application – Conventional Auto Drilling, Milling , Reaming Machine

Design Elements : Support L – Structure, Walking beam with servo slide, Pick and Place for the component, programming

Component – Bearing Cap
Cycle Time – 19.5 sec/component

Our Products:



OD GREASING – FOR BRAKE SYSTEM BODY

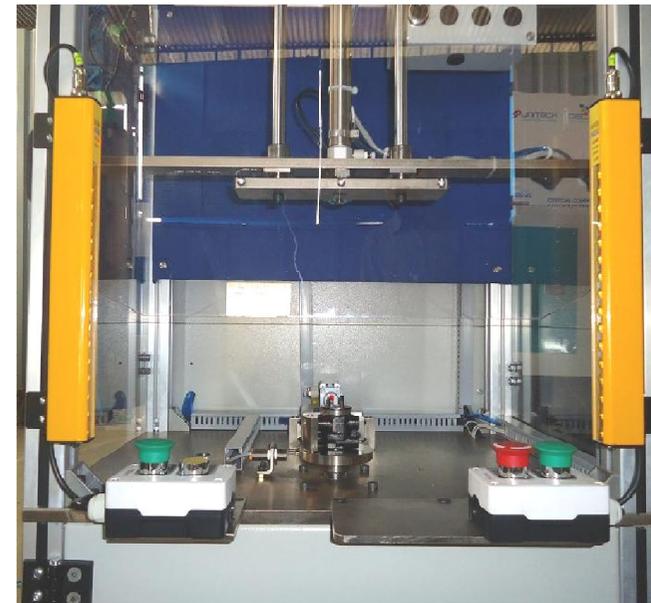


Application : OD GREASING

Design Elements : Grease dispensing unit, Component fixture, Shutter for m/c using cylinder

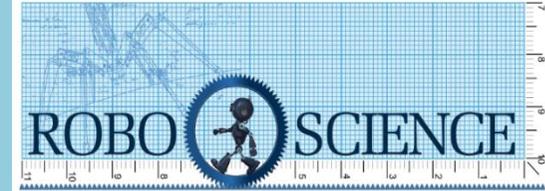
Component : Brake system body

Cycle time : 6 sec/component



RoboScience India Pvt. Ltd.

Our Products:



END OF LINE- LEAK & PERFORMANCE TESTING



Application : EOT – Leak and Performance testing for Brake system pump

Design Elements : Component fixture, Sliding arrangement, leak tester, component holding,

Component : Brake system pump

Cycle time : 2 mins/component



RoboScience India Pvt. Ltd.

Our Products:



SWITCH TESTING & MARKING SYSTEMS

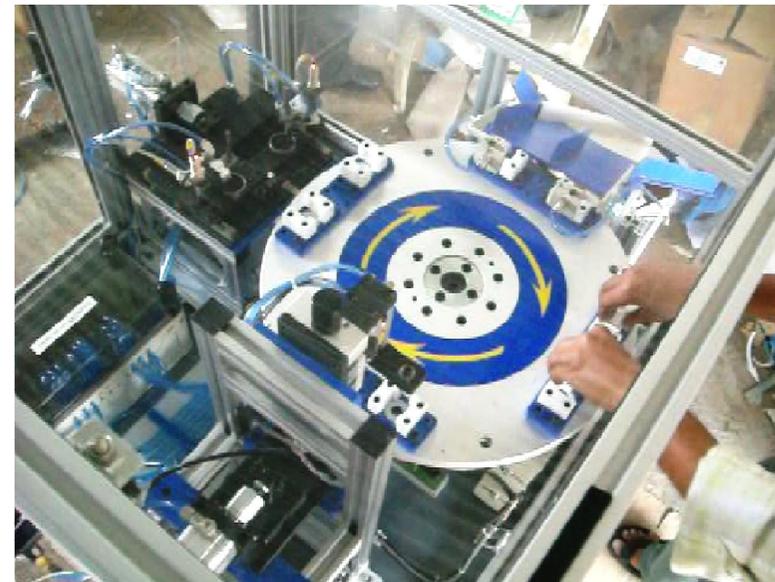


Application:- Refrigerator door switches continuity testing & ok-not ok marking.

Design Elements:- indexer, fixtures, continuity checking unit , ink marking system, ejection unit & sorting mechanism

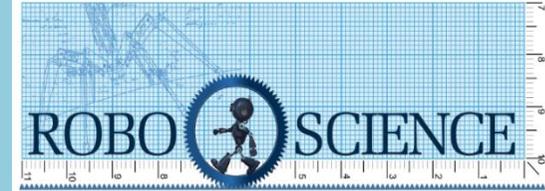
Component :- variety of door switches & contact block.

Cycle Time:- 4 Sec/ Component.



RoboScience India Pvt. Ltd.

Our Products:



NUT PRESSING INTO BRACKET AND RE-TAPPING



Application – Nut & Bracket Assembly

Design Elements : Press structure, Pressing dolly, component fixture, etc, Re-taping head & auto – unloading system

Component - Nut & Bracket

Cycle Time – 6 sec/component

Pressing Force – 4 Ton



RoboScience India Pvt. Ltd.

Our Products:



RIVET AUTO – LOADING & PRESSING INTO BRACKET



Application – Rivet Loading & riveting in to bracket

Design Elements – Press structure, Pressing Dolly, component fixture etc, hydraulic system & auto – unloading system

Component – rivet, shoe & bracket
Pressing force – 8 Ton

RoboScience India Pvt. Ltd.

Our Products:



MAZAK CNC AUTOMATIC LOADING & UNLOADING SYSTEM



Application : Loading and Unloading system of synchro hub from stacker to CNC Machine

Loading Indexer : 9 stations linear indexer with stack bars

Gantry : X-axis and Z-axis Servo Driven

Unloading Rotary Feeder : Driven by Motor and Gearbox

Cycle Time : 12.5 sec



RoboScience India Pvt. Ltd.

Our Products:

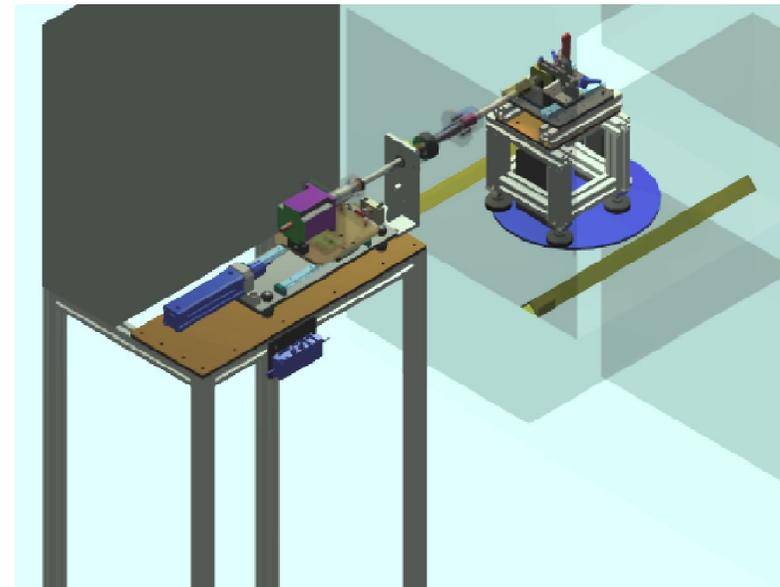


ENDURANCE TESTING SYSTEMS



Application:-Ignition Switch endurance testing in environmental chamber.

Component :- Automobile Ignition switch
Test Cycles:- 1 Lac cycles / Component.



RoboScience India Pvt. Ltd.

Our Products:



FILTER & GASKET PRESSING SYSTEM

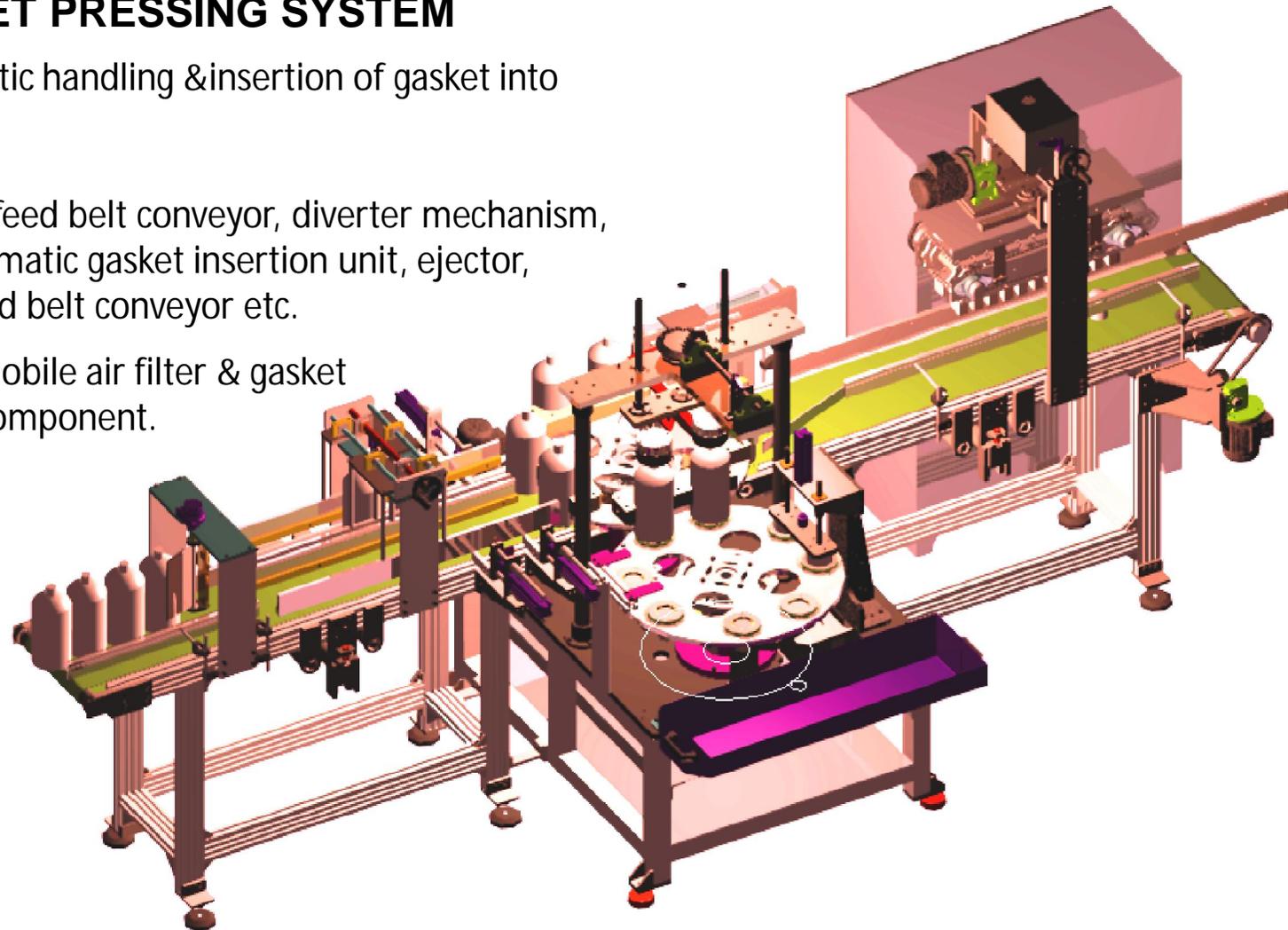
Application:-Automatic handling &insertion of gasket into Air filter bottom.

Design Elements:-In feed belt conveyor, diverter mechanism, Servo indexers, pneumatic gasket insertion unit, ejector, Pressing unit, out feed belt conveyor etc.

Component :- Automobile air filter & gasket

Cycle Time:- 3 sec/ component.

Operator :- One



RoboScience India Pvt. Ltd.

Our Products:



FILTER BASE PART WELDING & GLUE DISPENSING SYSTEM

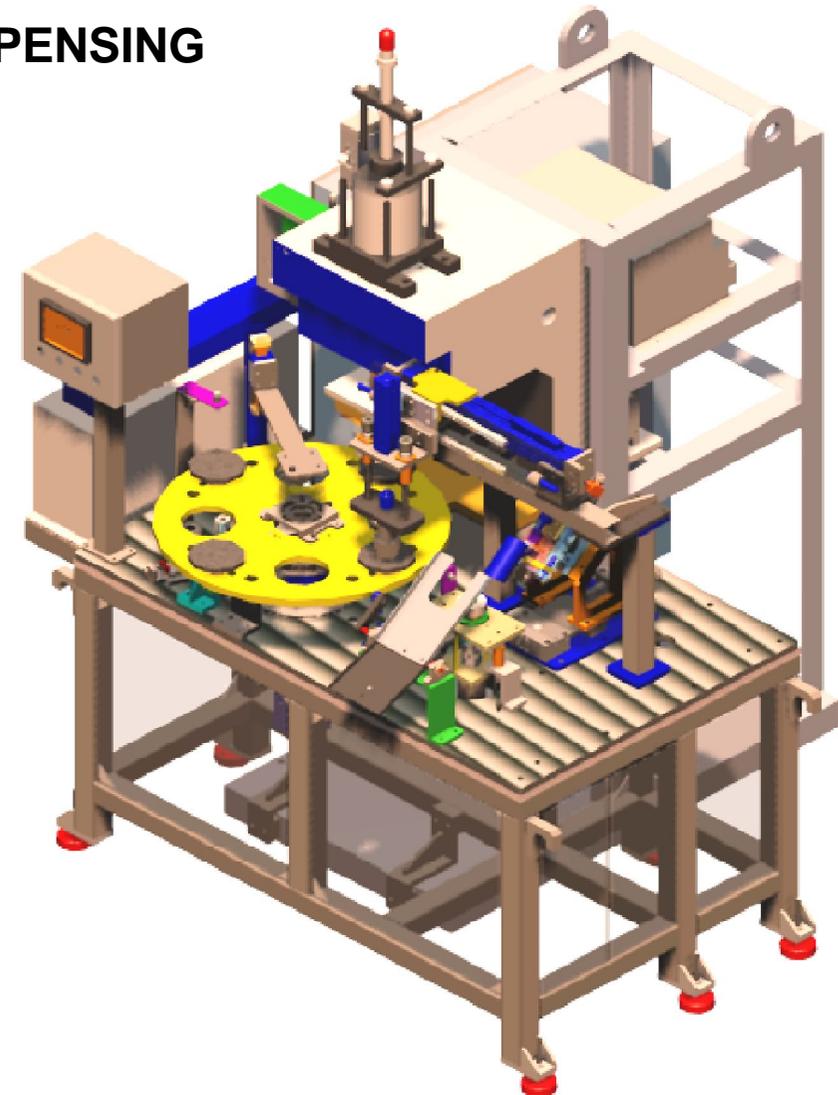
Application:-Resistance welding & glue dispensing of air filter base part.

Design Elements:- Servo indexers, water cooling on indexing fixtures, pneumatic pick & place unit, rotary table for glue dispensing, auto-ejector from rotary table.

Component :- Automobile air filter Base parts.

Cycle Time:- 3 sec/ component.

Operator :- One



Our Products:

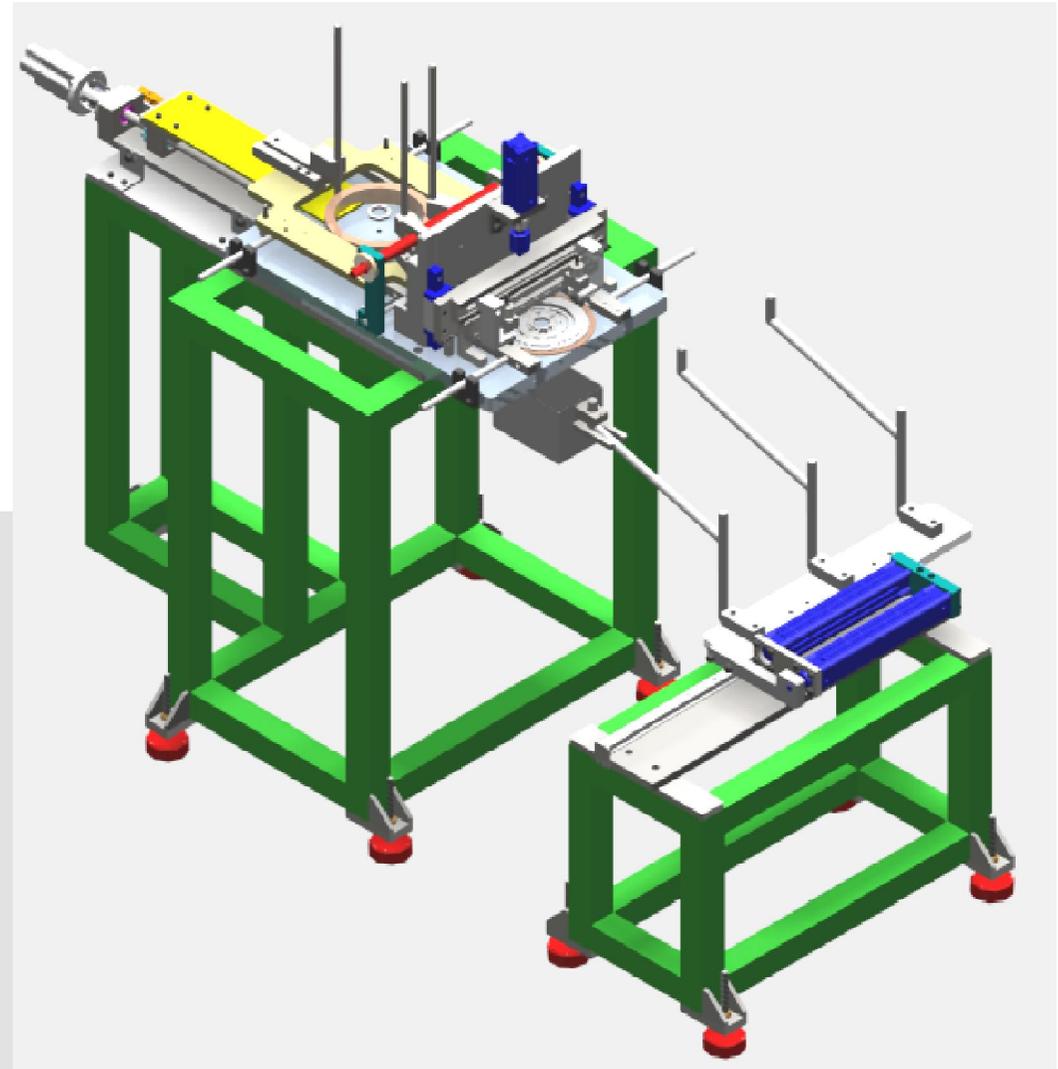
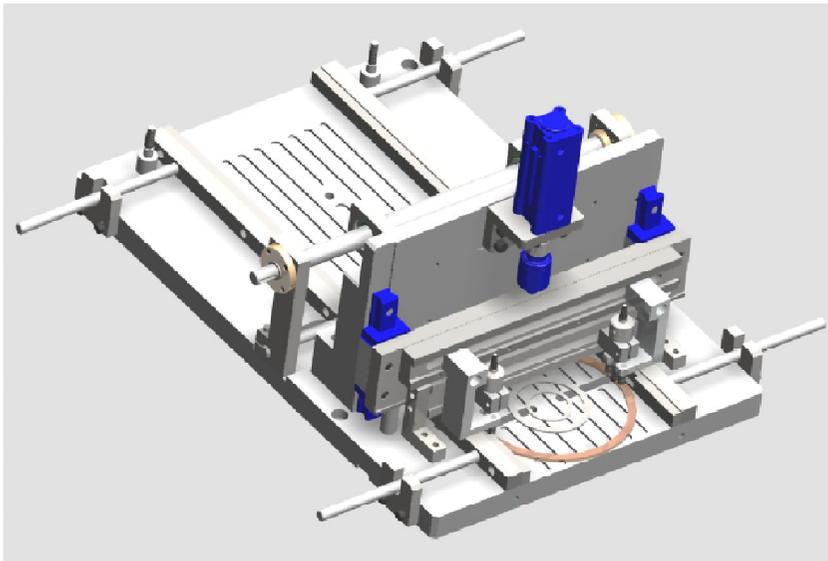


THICKNESS CHECKING MACHINE

Application:-Thickness checking
At two places. & sorting for Ok,
Rework & Reject.

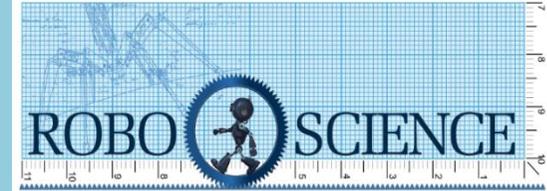
Component :-Piston ring

Cycle Time:- 3 sec/component.



RoboScience India Pvt. Ltd.

Our Products:

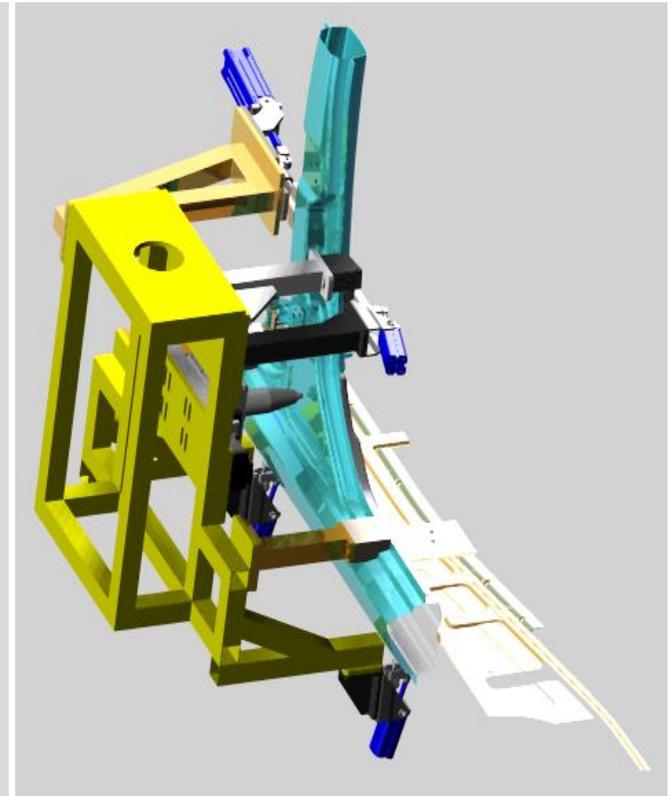
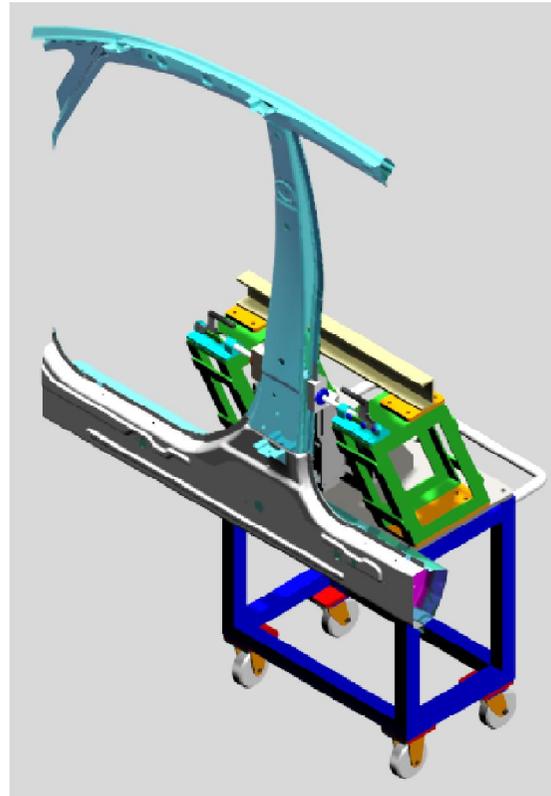


MARKING MACHINES

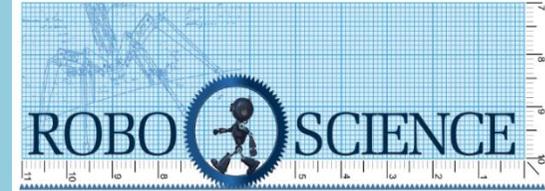
Application:-BIW SECTION MARKING

Design Elements:-MARKING HEAD
MTG. TACKLE

Component :-BIW SECTION
Marking head:-Marks-Pryor



Our Products:



MARKING MACHINES

Application:- Gear Box marking

Design Elements:- Main frame, component loading slide, marking unit mtg.

Component :- Gear box.

Marking head:- Marks Pryor





Thanking You for your Attention.

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RoboScience India Pvt. Ltd.