



The Spirit of Automation

Introduction to Patil Automation Pvt. Ltd., Pune



your...finest automation partner

Dedication

Passion for Excellence

Respect to each other

PATIL AUTOMATION PVT. LTD.

Gat No.154, Behind GE Company, Phase-II MIDC
Chakan, Tal. Mawal, Dist. Pune (INDIA) – 412 109.

Contact No. : +91 9168338383

E-mail : marketing@patilautomation.com

Website : www.patilautomation.com

Who we are ?

We are an India based company founded with an objective of “Contemporary world class standards in Welding and Line Automation”

Such as :

- Assembly Line Automation
- Robotic Welding Lines and Welding Cells
- Welding SPM's
- Welding Fixture and Gauges.
- Special Purpose Machines.

Complete Automation Solution

Our Team



Team of 300+ Qualified People
Exclusive in-house design Team
Dedicated Customer Support & Service Team
State of the Art Equipment's & un interrupted power supply

Vision :

Work Together as a team to “respect opinion and views of others”

Vision&Mission



Mission : *The Spirit of Automation*

“Customers Satisfaction” is what we aspire for.

Our Goals



Customer Focus

Quick response to Customer needs

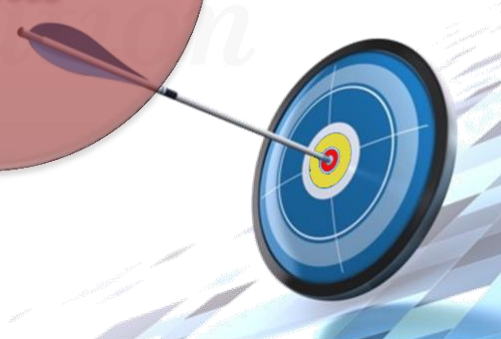
Superior Quality & Advanced Technology

Provide Superior / Cost effective System Solutions

On time Delivery & Installation Commitment

Enhance Customer Satisfaction

Proven Success





Committed to enhance
Customer Satisfaction



We are committed to achieving complete satisfaction of our customers by delivering products with high quality, competitive price & right time. This will achieve by team work and implementing Quality Management System. Continually improving its effectiveness.



QUALITY POLICY



Our Products



Line Automation



- Assembly Line / conveyors
- Robotic Inspection stations, vision inspection ,
- Pick & Place systems /Gantry
- Auto Assembly Stations



Robotic Line Cells



- Complete turnkey welding & handling solution ,synchronized welding application.
- Spot/MIG/TIG welding Robotic cell
- Complete turnkey solutions



Welding SPMS



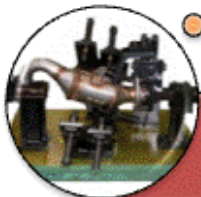
- Linear Welding SPM
- Circular Welding SPM
- Double End Drive. Welding Lathe
- Weld Seamer/ Spud Welder
- Butt Welding Press SPM



Special Purpose Machines



- Pneumatic/Hyd. Press / Revising cum insp. Jigs
- Camera vision insp. M/C
- Leak testing M/C / Marking M/C
- Twisting SPM



Jigs & Fixtures



- Manual MIG/Spot/TIG welding fixtures.
- Inspection jigs. Revising cum inspection jigs.
- Complete turnkey solutions for manual welding line.

Line Automation

- Assembly Line Conveyors
- Material Handling
- Pick and Place
- Plasma Heating and Gluing
- End of Line Inspection.



- Assembly Line Conveyors
- Material Handling
- Over head Gantry
- Robotic Welding Line
- On line truing Station.
- End of Line Inspection.

Line Automation

- Seat Frame Assembly Line Conveyors
- Material Handling
- Pick and Place
- End of Line Inspection.



Complete Automated Assembly & Inspection Line Conveyor

- Assembly Line Conveyors
- Bowl Feeders,
- Pick & Place
- Material Handling.
- Vision inspection
- End of Line Inspection.

Line Automation

○ Automated Assembly Conveyor



○ Automated Welding Line



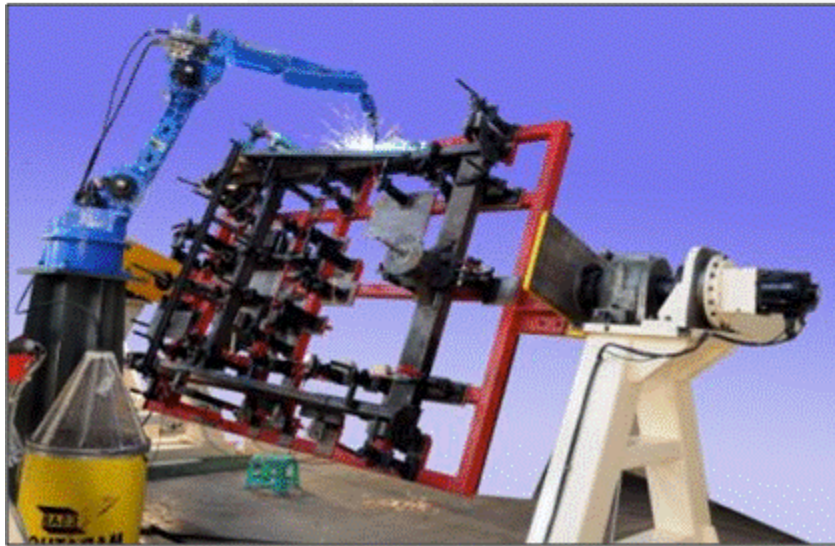
Robotic Cell



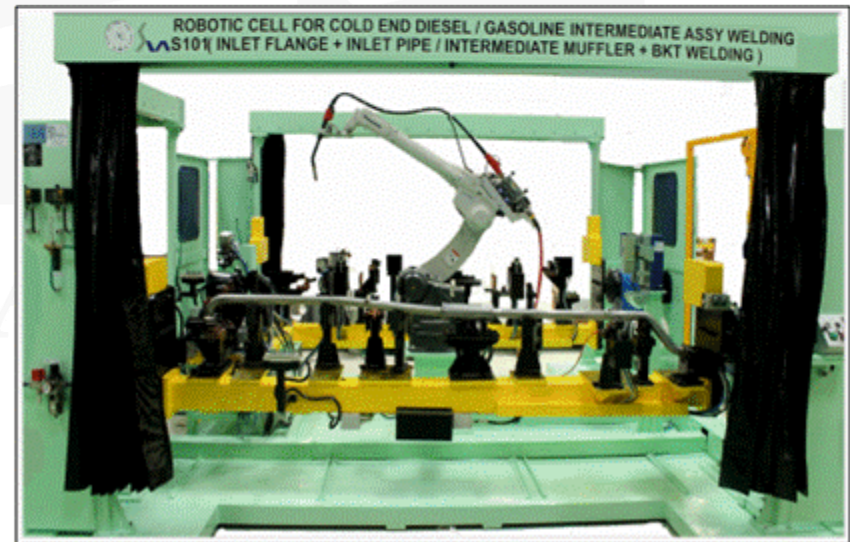
○ Spot welding Robotic Cell



○ 'H' Type Robotic Cell

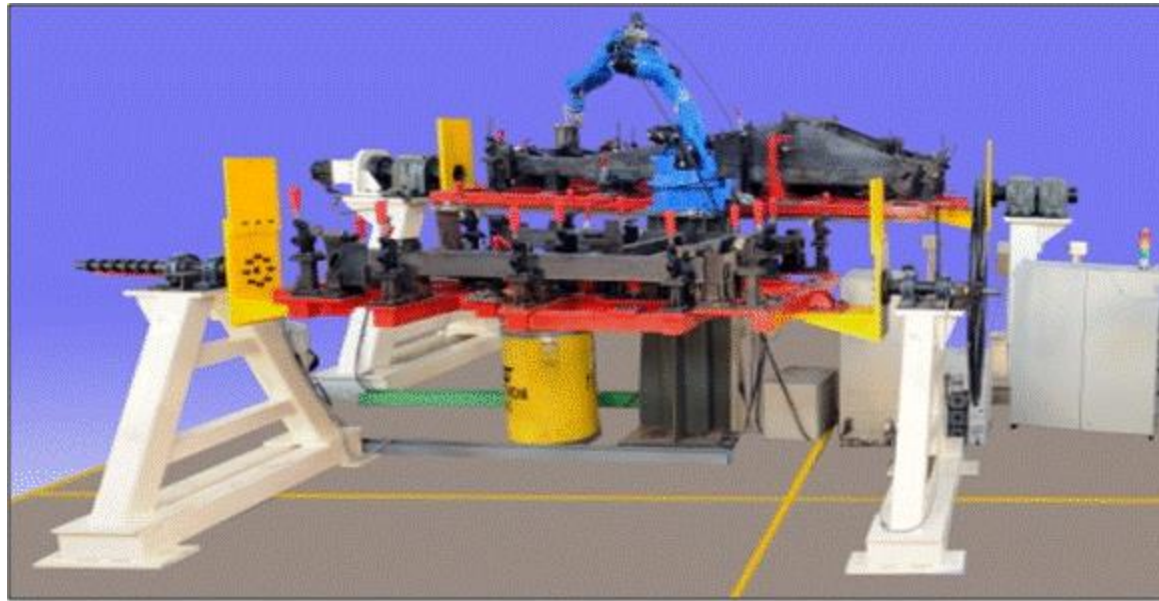


○ Chassis Welding Robotic Cell with Servo indexing



○ Synchro Welding Robotic Cell

Robotic Cell



- Welding for Heavy Components
- Indexing Units.

- Inverted Robot Cell



Robotic Cell

- Robotic welding Line with overhead gantry & gripper system for Chassis frame handling



Robotic Cell

o Plasma Heating and Gluing Robotic Cell



o MIG Welding Robotic Cell



Welding SPM

○ Circular Welding SPM's



○ Torch Rotary Welding SPM's



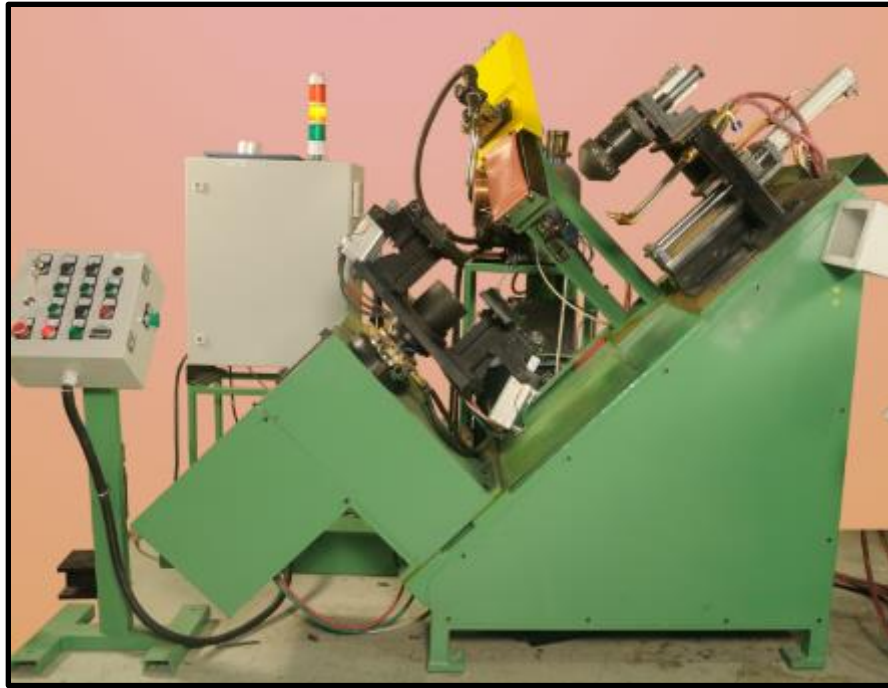
○ Circular positioner SPM's



○ TIG Welding SPM's

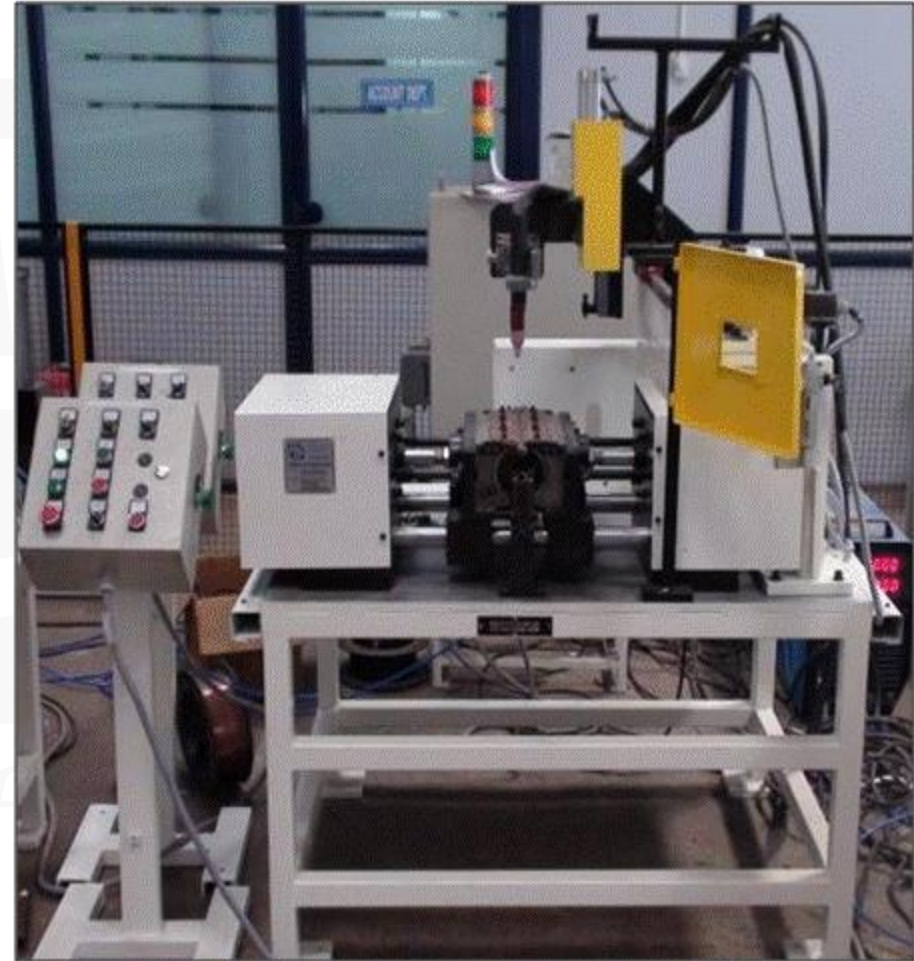
Welding SPM





The Spirit of

o Linear Welding SPM



Special Purpose Machines

o Leak Testing, Number Punching and Pin Marking SPM, Sharing SPM



Special Purpose Machines

- Fuel Tank Butt Welding SPM, Spot Welding SPM



Special Purpose Machines

- Assembly SPM, Hole Punching SPM and Effort Testing SPM

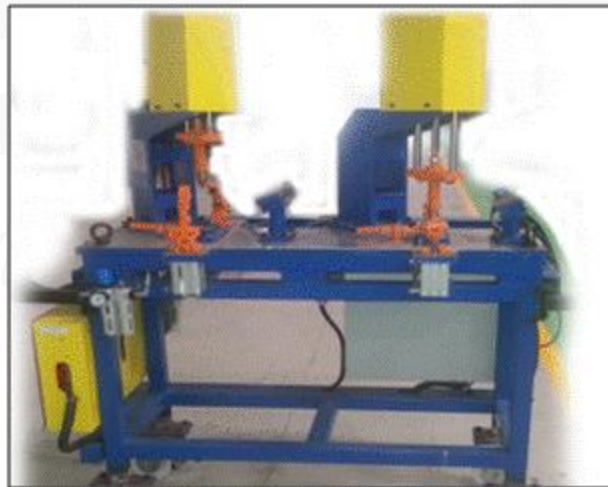


TOE & CAMBER CHECKING SPM



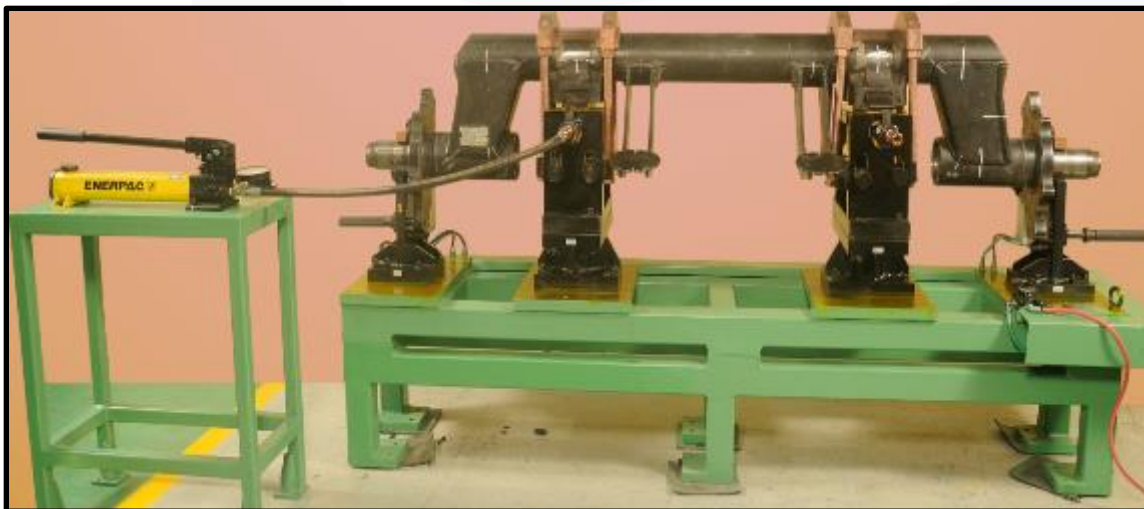
Welding Fixtures and Jigs

Manual Welding Fixtures and Inspection Gauges



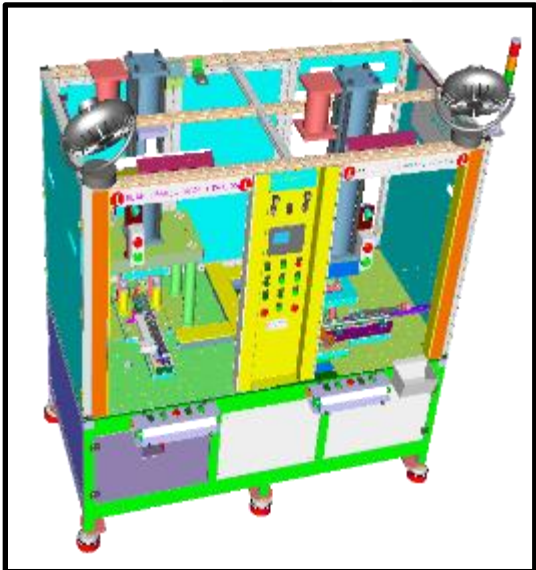
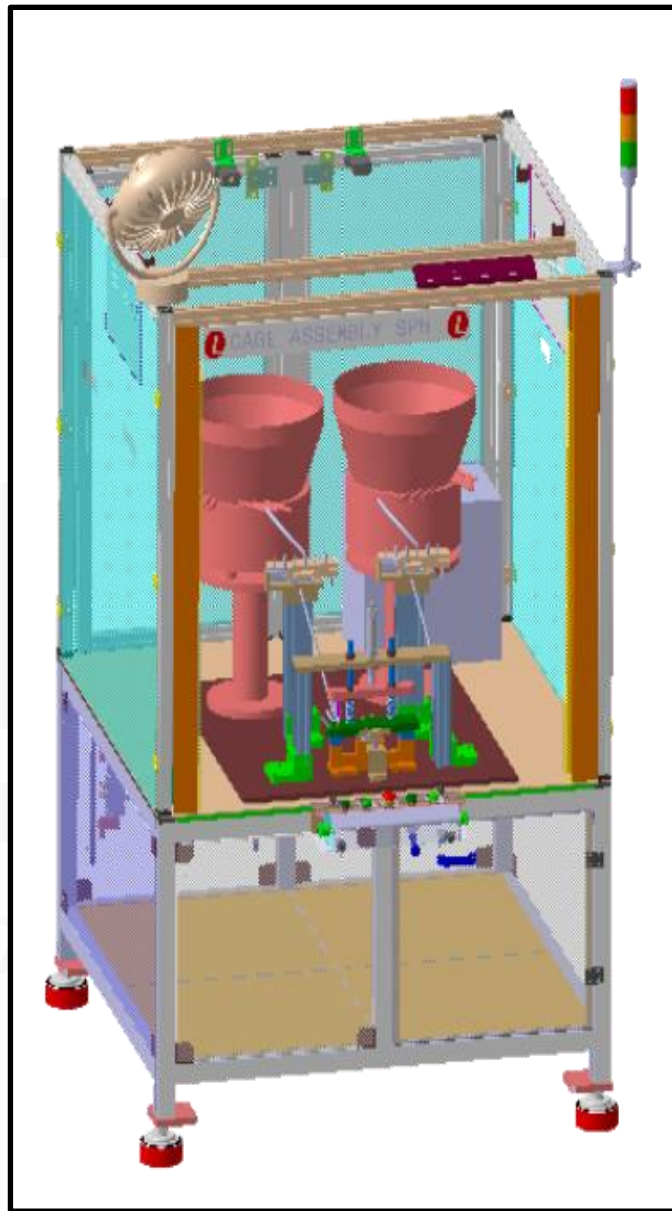
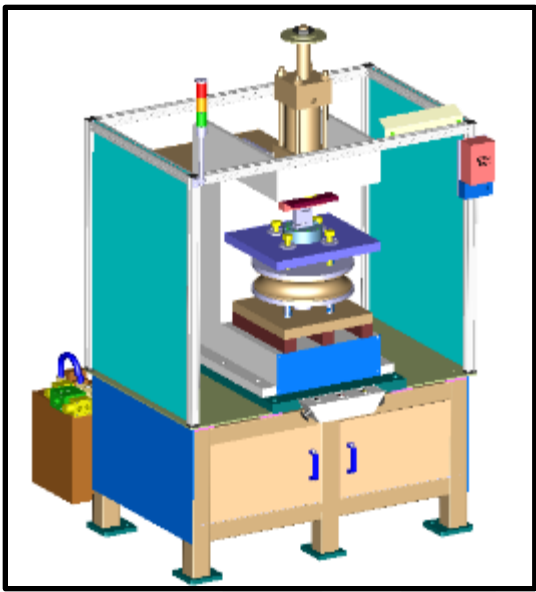
Welding Fixtures and Jigs, Assembly Station

o Manual Welding Fixtures for Heavy parts



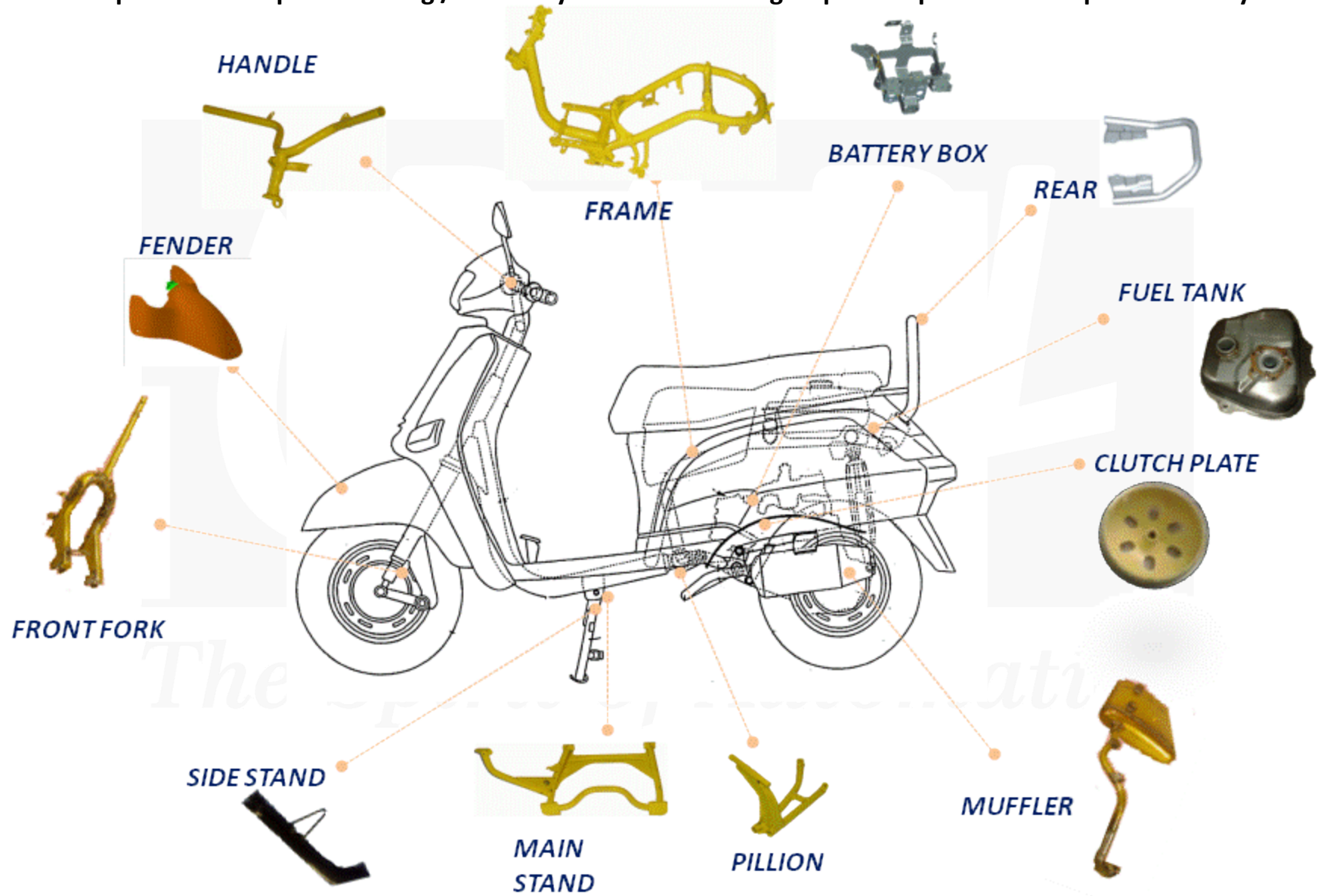
o Axle Assembly Station

Hydraulic, Hydro-Pneumatic Presses & Assembly SPM



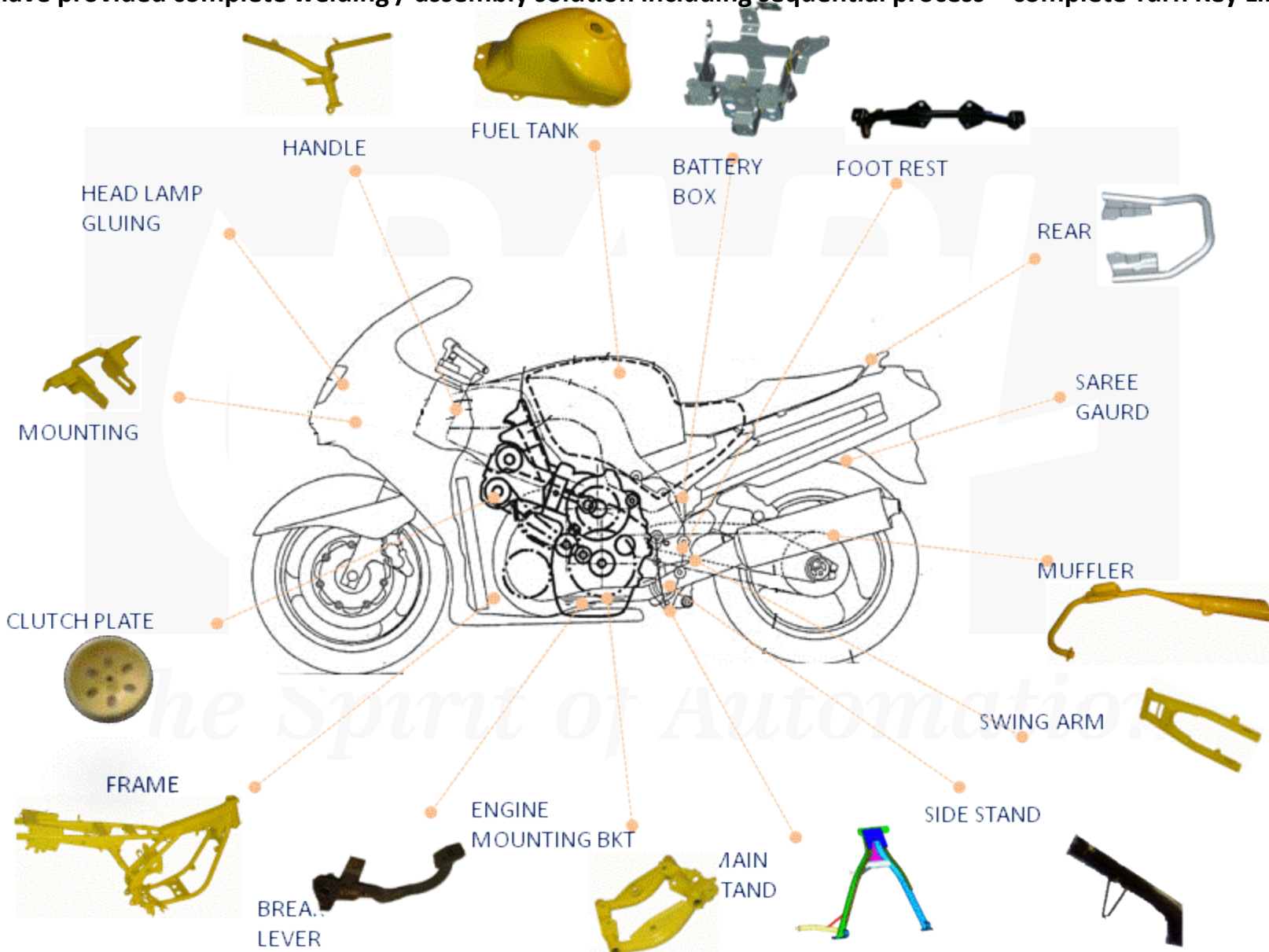
Our Specialization (Two Wheeler-Scooter)

We have provided complete welding / assembly solution including sequential process – complete Turn Key Line



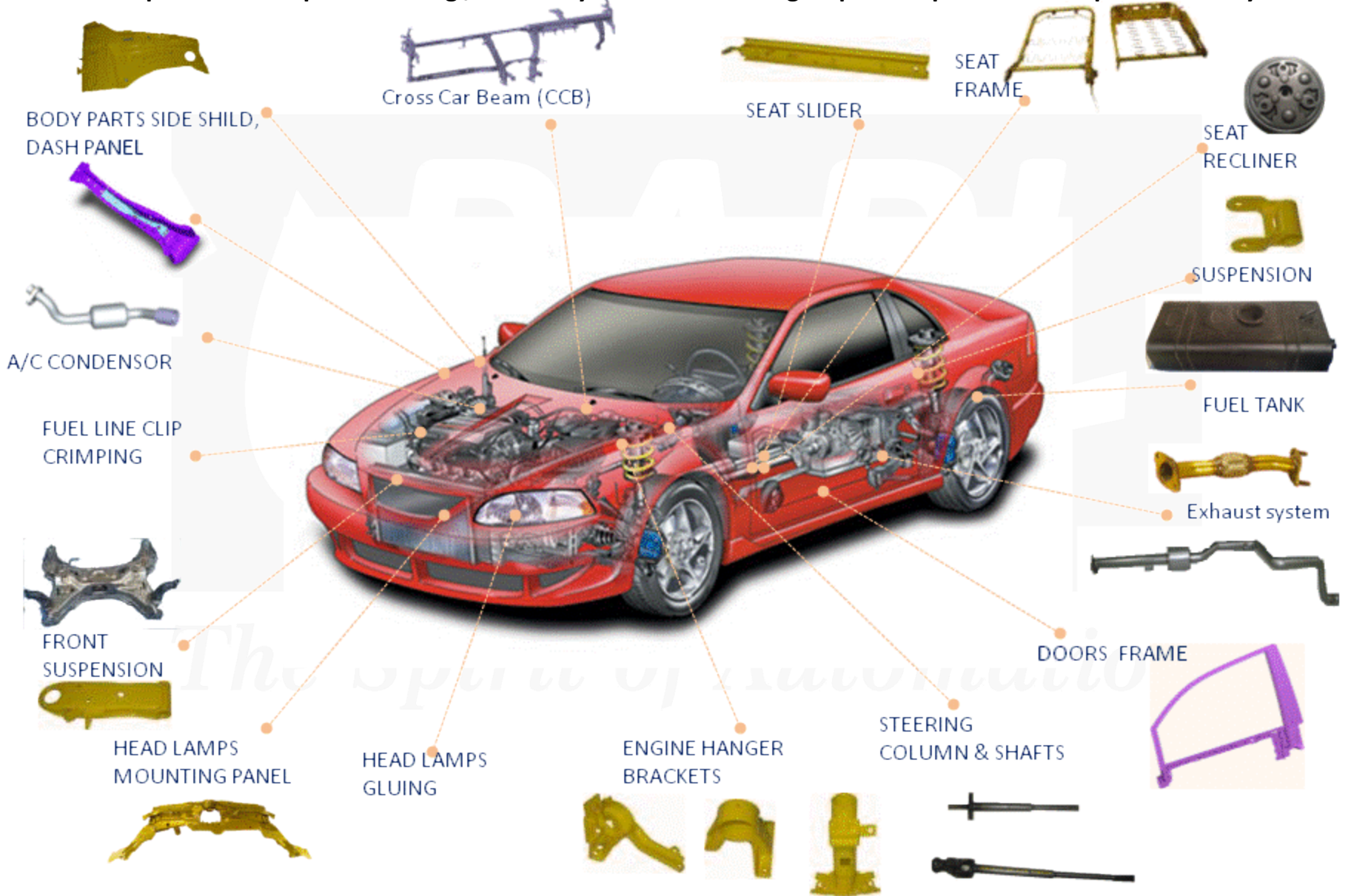
Our Specialization (Two Wheeler-Bike)

We have provided complete welding / assembly solution including sequential process – complete Turn Key Line



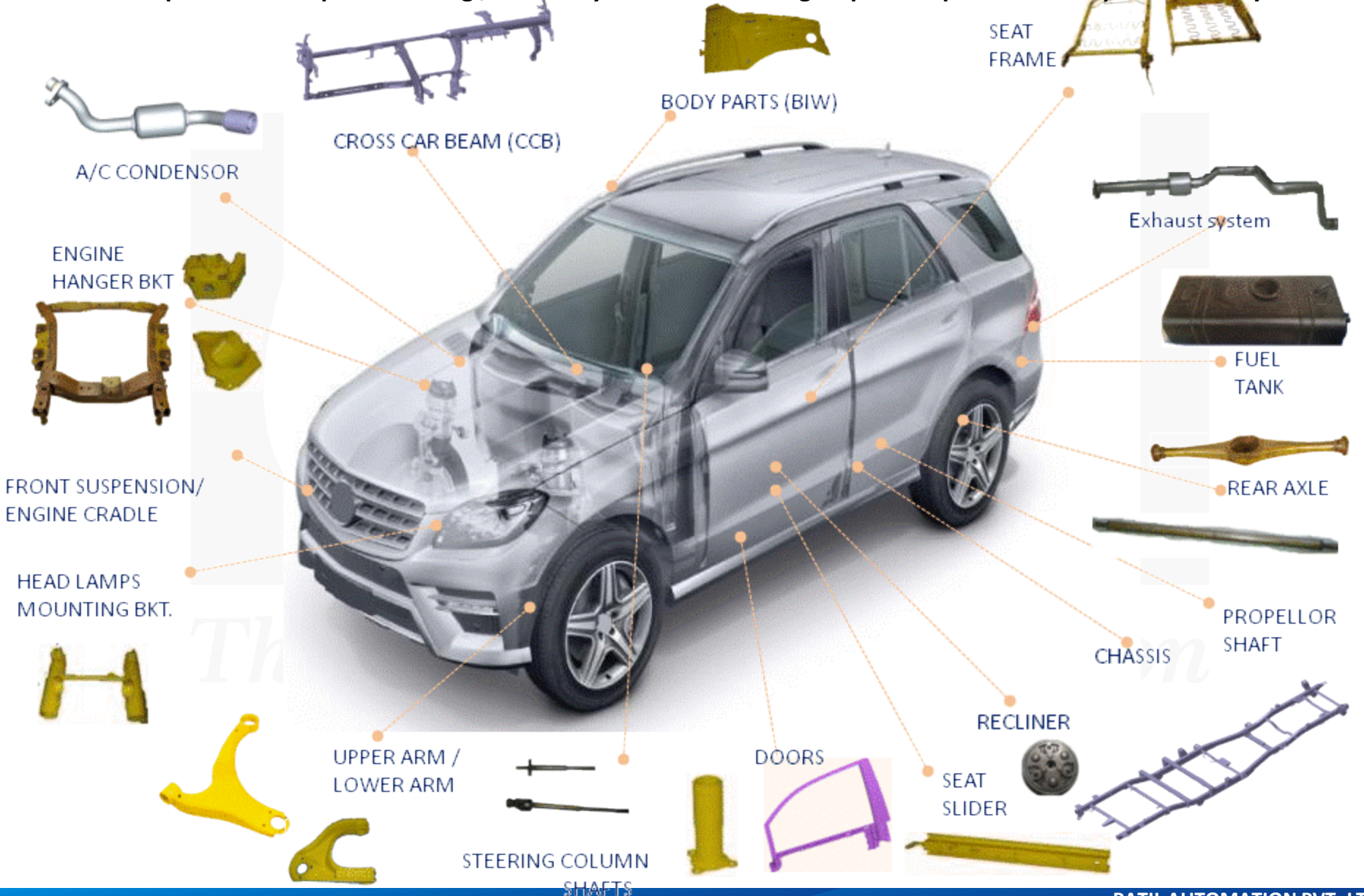
Our Specialization (Four Wheeler)

We have provided complete welding / assembly solution including sequential process – complete Turn Key Line



Our Specialization (Four Wheeler)

We have provided complete welding / assembly solution including sequential process – complete Turn Key Line



Heavy Automotive and Non Automotive



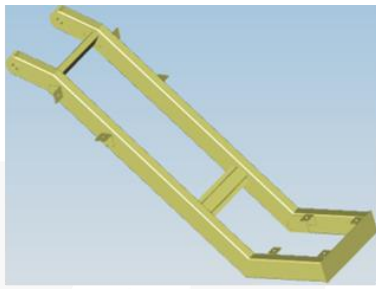
WHEEL CHAIR



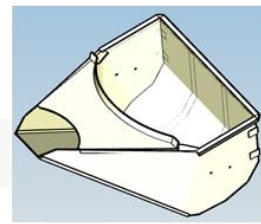
REFRIGERATOR COMPRESSOR



TRACTOR CHASSIS



CONSTRUCTION EQUIPMENTS



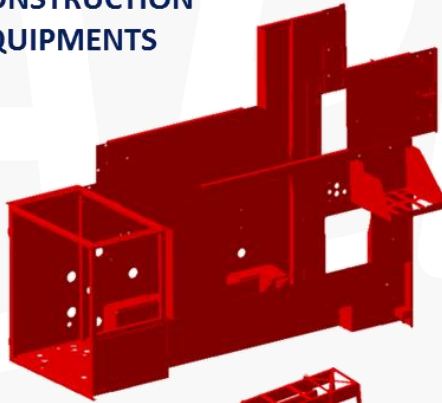
ELECTRIC MOTOR STATOR PARTS



THERMAL WATER HEATER



HARVESTER PARTS



EARTH MOVERS & HEAVY TRUCK PARTS



Tractor Rops

Why FARIPL / PAPL ?

CUSTOMER CENTRIC APPROCH

- Program Management capabilities to support customer's new developments

ADVANCED ENGINEERING CAPABILITIES

- Continued Improvement for the Effectiveness and Efficiency of our Products and Services.
- Application engineering skills for adaptability of products to suit customer's specification
- In-build " POKA YOKE " for defect prevention at customer end.

SOUND MANUFACTURING KNOWLEDGE

- Pneumatic, mechanical and controls expertise
- Dedicated Robot teaching expert

COMMITMENT

- Top Management Commitment & Direct Involvement
- Dedicated project management team to ensure timeline commitments.
- Everybody's involvement thru shared vision and commitment

PROVEN SUCCESS

- We provide customers a defect & hassle-free experience through our design, software program and CMM, in-house.

TRUST

- Over 20 Years of Experienced Staffs in Automation Filed

Sales & Marketing

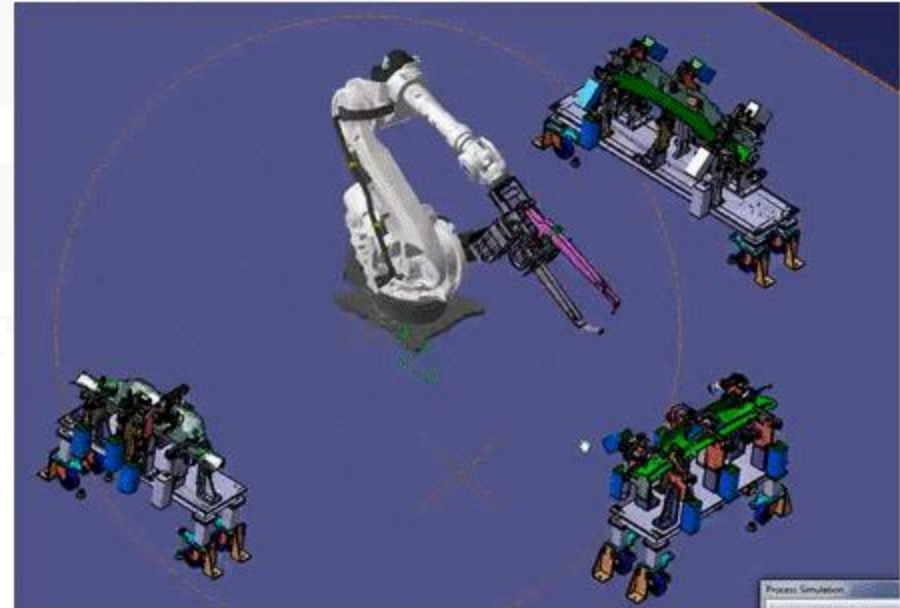
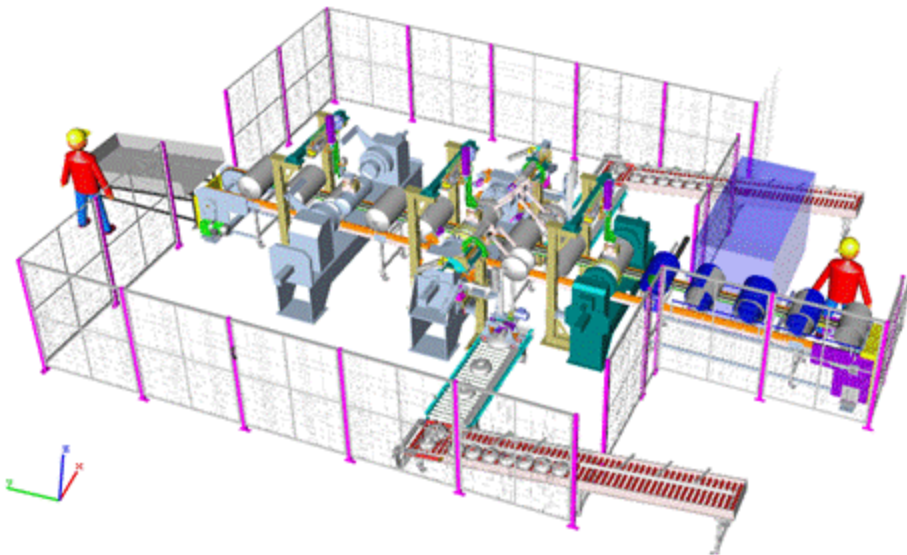
- We have well trained TECHNO- COMMERCIAL marketing team to handle RFQ.
- Quick response to customer RFQs,
- On site visit and discussions.
- Suggest proper & exact solution to customer requirement.
- Process planning & cycle time study.
- User Friendly & Cost effective proposals.



The Spirit of A...

Dedicated in-house Design Team

- we have in-house dedicated design team for mechanical design
- Fixture design, inspection gauges, cells, SPM, Automation lines
- Solid Edge, Catia work stations.
- Weld simulation, torch approach study, Robot reach study.



Dedicated Programming & Robotic Team

- We have in-house dedicated PLC programming team, can handle any make PLC, including SCADA, servo motion controls.
- We have in-house dedicated Robot teaching & programming team, can handle any make Robots, including handling robots, Synchro welding can be programmed.
- Vision system programming, traceability system & integrations.



In-house Manufacturing Facility

- Along with 40 vendor base, we have in house manufacturing facility.
- Planno, Jig Boring, M1TR, Milling, Drilling, Lathes, Welding, etc.



Talawade Plant



Chakan Plant

In-house Engineering Facility

- Prototyping of new development.
- Press tools.
- Technical process study and analysis.



Quality control

- Flying scot for ensuring quality parts supplies.
- In- house gauging facility.
- In house CMM (Romer/ Faro)



Project management, Assembly & Trials

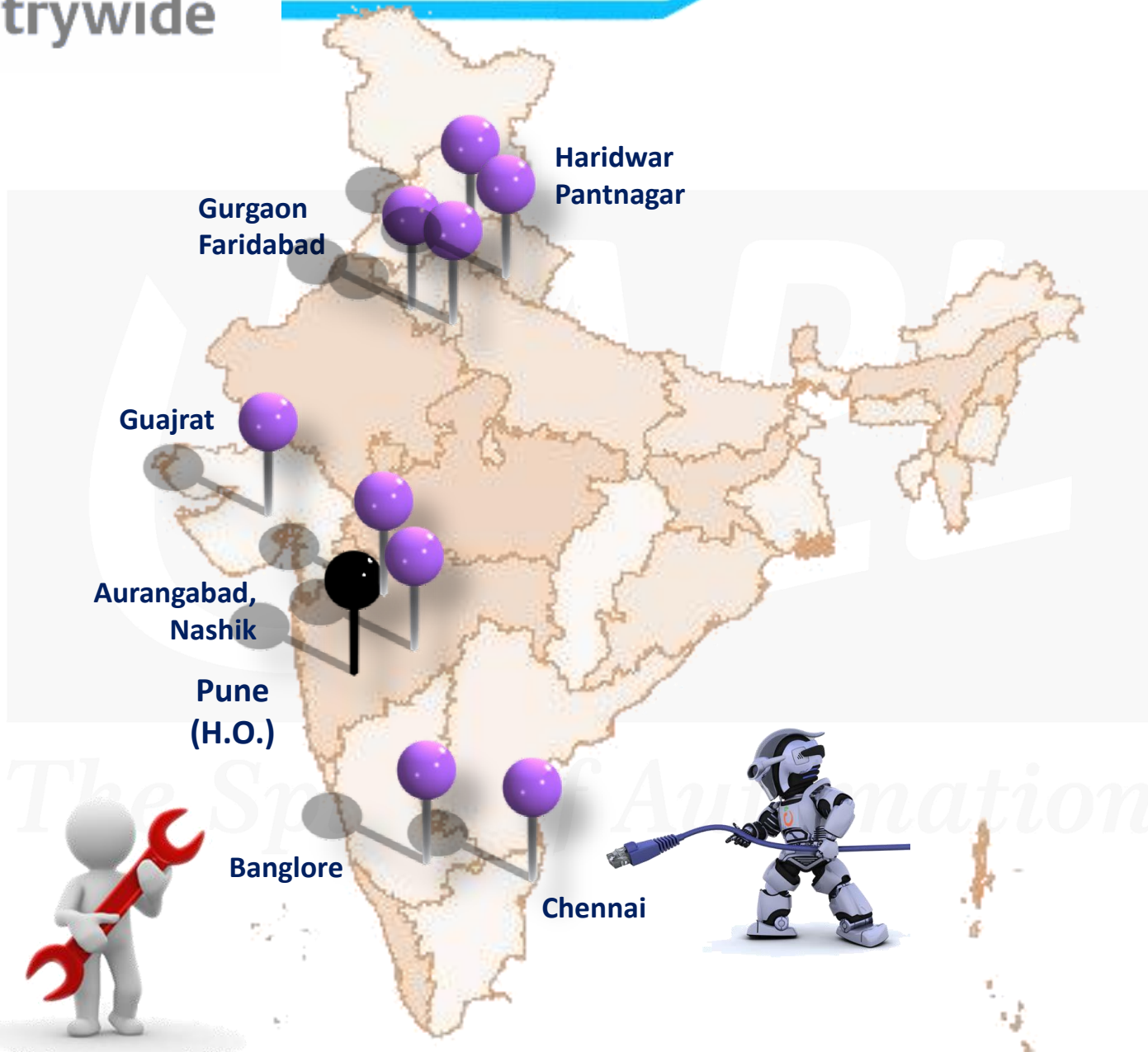
- Program management team to track the project activities.
- Well trained assembly fitters & supervisors.
- Trials are conducted as per the customer specified requirements. It ensures quality output with de-skilling the process.
- Purchase & manufacturing team is committed to supply the parts on time to meet the project time line.

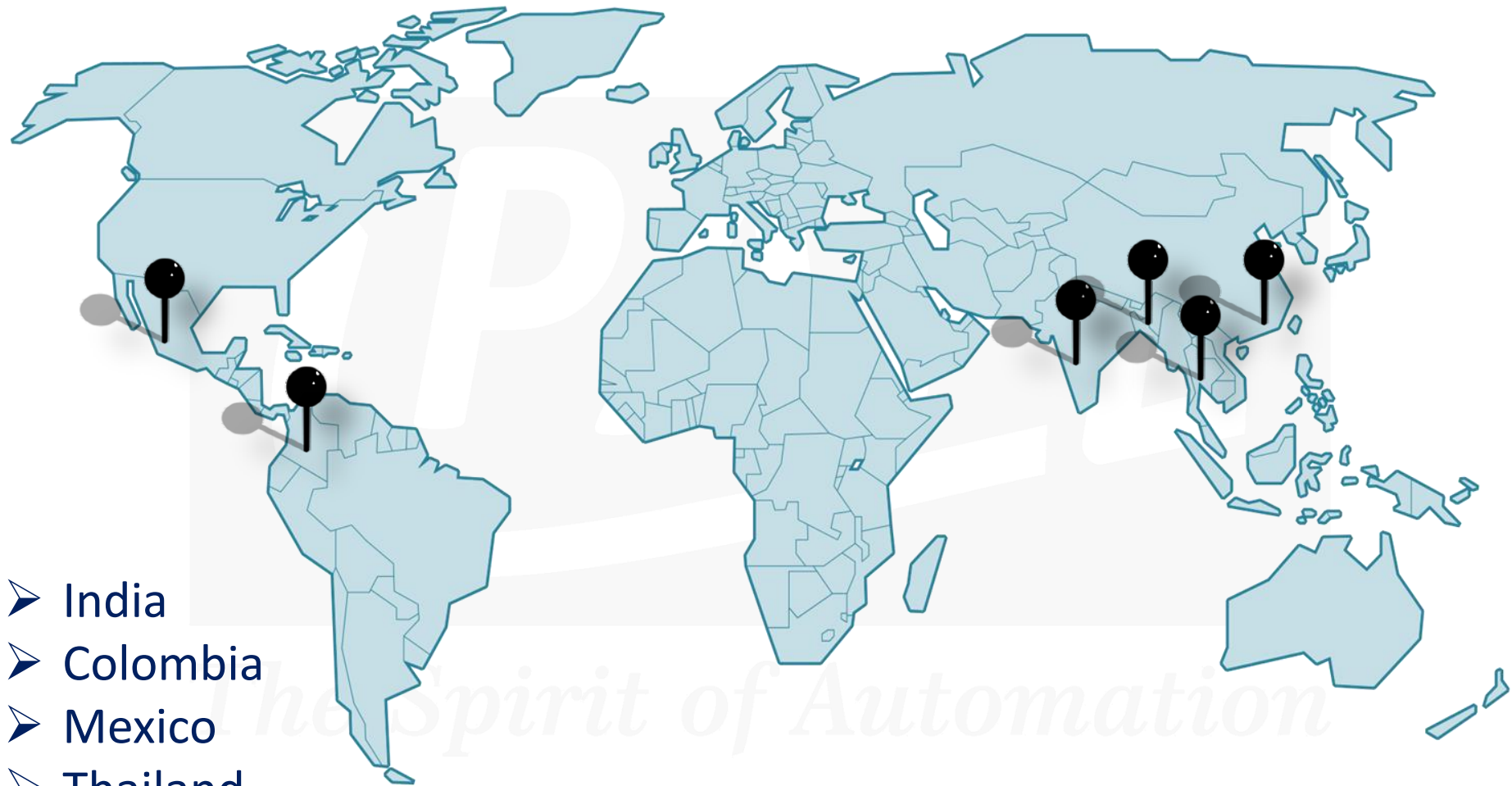


EXCELLENT
 GOOD
 AVERAGE
 POOR



Service Centers Countrywide





- India
- Colombia
- Mexico
- Thailand
- Bangladesh
- China (Shanghai)

The Spirit of Automation



The Spirit of Automation

Our Esteemed Customers





ONE STOP SHOP

SOLUTION

REQUIREMENTS

KNOWLEDGE

PEOPLE

QUALITY

EXPERTS

DELIVERY

CUSTOMER

LOGISTICS

GLOBAL

CONSULTING

EFFECTIVE

TAILOR-MADE

PROCUREMENT PROCESS

OPTIMIZATION

PRODUCT

SERVICE DRIVEN

SELECTION

SINGLE POINT OF CONTACT

COSTS

FLEXIBLE

ADDED VALUE

ORDERING

LOCAL

PRODUCT



Thank You