



**TERENCE TAO ENGINEERS**

**EXPERIENCE  
THE CORE**



Engineering, procurement and  
manufacturing company



**AI SYSTEMS**



**AUTOMATION**



**TRACEABILITY**



**SPM  
& TURNKEY**



**DATA  
SCIENCE**



**FABRICATION  
& FIXTURES**



**RESOURCE  
SQUAD**



## Terence Tao Engineers Pvt Ltd

Our organisation M/s.Terence Tao engineers pvt ltd is an strong engineering, procurement & manufacturing company which was established in 2016.

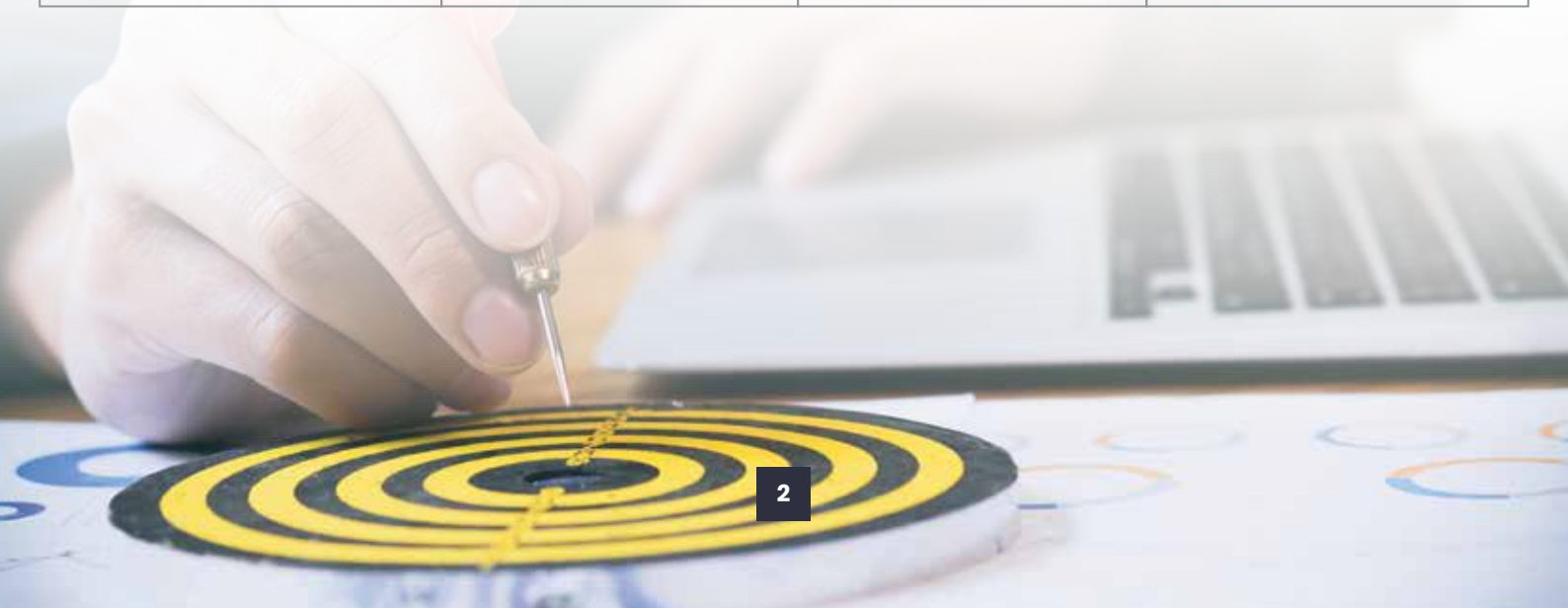
It was started up to provide excellent automation solutions and services as need by customer requirement in field of automation and robotics.

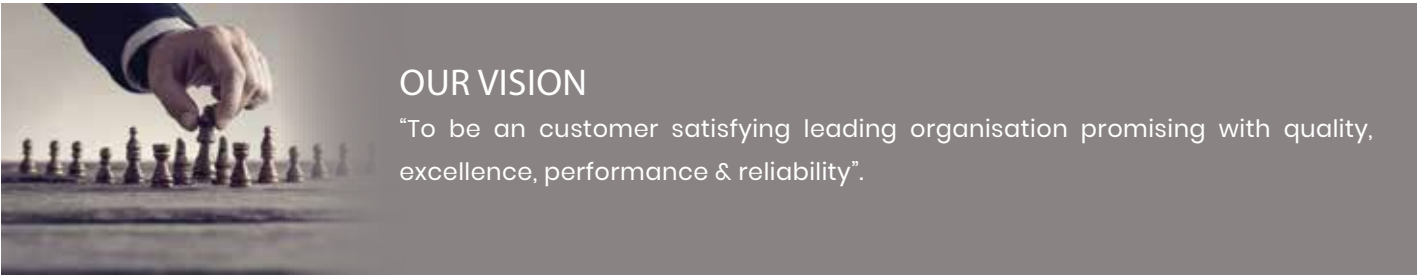
Our work expertise extends also in field of spm manufacturing, part machining, fabrication and structural works.

## HISTORY

- Terence Tao Engineer Pvt Ltd was found by Mr.Veeraiyan, an Electrical & Electronic engineering specialist with enormous experience of about 40 years in the field of engineering.
- Our initial budding year 2016 was started up with providing automation solution and services to TIER 1 customers and quickly evolved with opportunity of providing direct automation engineering solutions & programming services to OEM & MNCs.
- In 2017, we added up our services in other fields like SPM's, turnkey projects, fabrication, structural works, part machining supply and accessories trading.
- We have provided various unique services to our esteemed customers among that few are listed below.

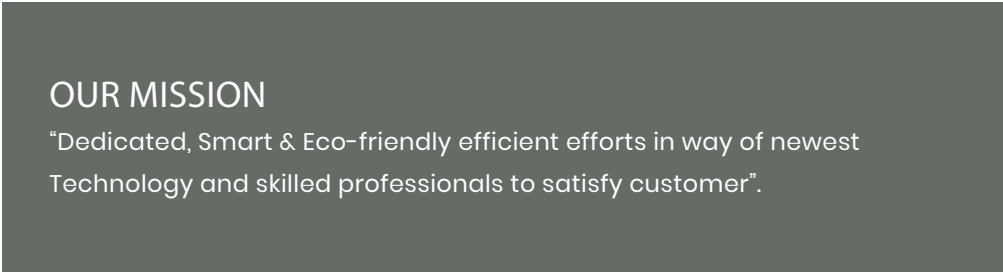
<b>2022</b> Metro Rail Testing Fixtures "Toyota Tsusho India Pvt Ltd" "Alstom."	<b>2022</b> Over Head Maintenance Contract Services "Ashok Leyland," Hosur.	<b>2022</b> Data Logging System For Gear Tester Line "Woosu India Pvt Ltd."	<b>2022</b> PLC Upgradation With Latest System "Daeseung Autoparts India Private Limited"
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## OUR VISION

"To be an customer satisfying leading organisation promising with quality, excellence, performance & reliability".



## OUR MISSION

"Dedicated, Smart & Eco-friendly efficient efforts in way of newest Technology and skilled professionals to satisfy customer".



## Quality Management & Certification

"Our task is to achieve customer satisfaction by delivering high quality goods as in required specifications and Within stipulated time schedule"



Quality Management System  
(ISO 9001 : 2015)

Certificate No : Q-205023020303



United Accreditation  
Foundation



International Accreditation  
Forum

## In Authorized Collaboration with



ROCKPECKER  
United Kingdom



TRIOMOBIL  
U.S.A



PROGLOVE  
Germany



NTA  
South Korea





Our main aim is to provide high reliable innovative solutions developed through skillset and advanced technology. We provide our customers with high quality, safe and technological automation systems and services which are environmental friendly.

## WE UNDERTAKE ALL KINDS OF AUTOMATION PROJECTS AS LISTED

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### Fixed automation projects

- Machining transfer lines
- Material handling conveyor systems
- Automated assembly machines
- All Kinds Of coating automation processes
- Web handling & converting systems
- Chemical manufacturing processes

### Programmable automation projects

- PLC programming for Mitsubishi, Siemens, FANUC, ABB & Omron
- Programming through MATLAB, Python, C,C++ & LabVIEW
- System integration with PLC & SCADA server systems
- Control Panel designing

### Flexible automation projects

- Flexible manufacturing & Quality Control System

## ROBOTICS ENGINEERING



Robotics is an interdisciplinary field that integrates computer science, Mechanical, Electrical and Electronics engineering. Robotics involves design, construction, operation, and use of robots. The goal of our robotics engineering is to design machines that can provide an efficient form of production with high level of quality and standard. Our expertise and services in the field of robotics were.

- Robot selection based on requirement analysis / as per client suggestion fulfilling the application
- Industrial robot application programming, modification, Installation & commissioning
- Annual maintenance contracts
- Spare parts supply

## Benefits of Preventive Maintenance for Industrial Robots

TTEPL

There are many reasons to prioritize Preventive maintenance for robotic systems. Some of the most significant benefits of Preventive maintenance include:



### Early detection & Control

First, Preventive maintenance allows you to identify potential issues with industrial robots before they become big repair problems. Noticing a part is about to wear out during a basic maintenance check and quickly replacing it is much cheaper and easier than waiting for that part to fail, possibly taking other parts of the robot and whatever it is working on with it.



### Longevity

Preventive maintenance for industrial robots also allows you to extend the life of those robots dramatically. Even if nothing is obviously wrong, when a robot is poorly cared for, it may put additional stress on the machine's parts. You may not notice it in day-to-day performance, but over time, those stresses can add up and put an end to the robot's life long before its due.



### Efficiency & Cost Saving

Well-maintained machines also tend to operate more efficiently. Even if your robots seem to be working without the recommended Preventive maintenance, it's likely that you're sacrificing efficiency and spending more on operating costs. To help robots work efficiently, It needs to be Pro Actively Maintained Within The time Period

## FABRICATION & STRUCTURAL WORKS

TTEPL delivers in-house quality assurances and state-of-the art equipment for the process of fabrication and structural works.



Our functional designs are built with the highest quality materials and the best workmanship available in today's market.

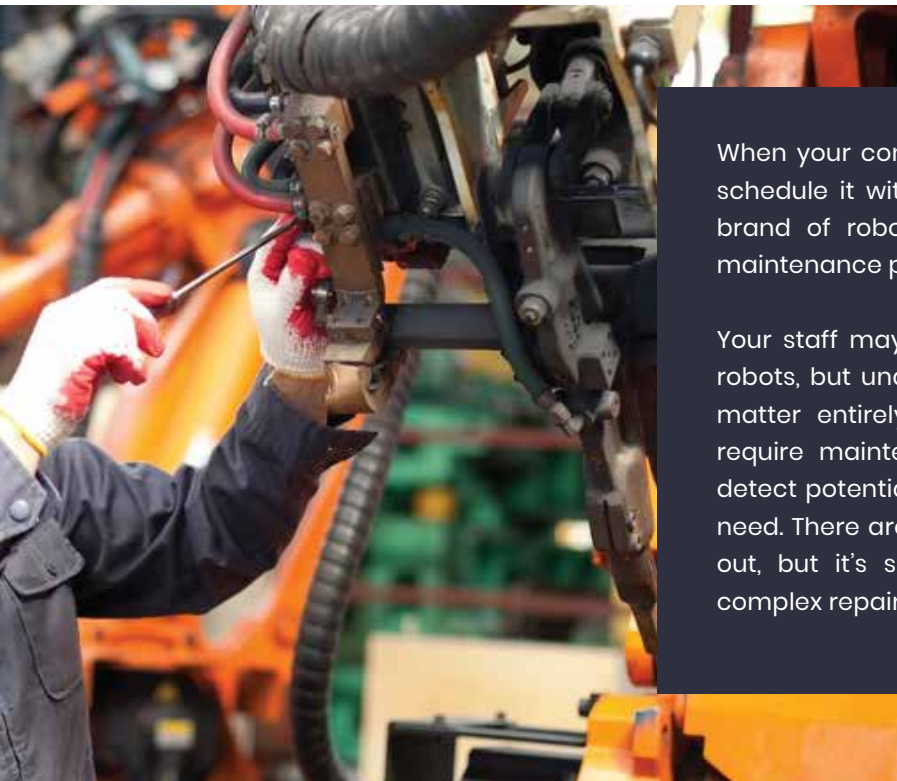
Our facilities allow the output of large structures under limited timeframes with efficiency.

Our expert managing team, experienced fabricators and qualified workforce keep your fabrication and structural projects on time and within budget.

- Material Handling trolleys
- Conveyor systems
- Turn over tables
- Industrial Platforms

- Stairways
- Caged ladders
- Roof Structure with ducting
- Mezzanine floor

- Stacks
- Columns
- Storage containment
- Tray towers



When your company schedules maintenance, it's important to schedule it with an experienced professional who knows your brand of robot intimately and has a thorough & complete maintenance process for your particular machine.

Your staff may fully understand how to operate the industrial robots, but understanding how to maintain them is a different matter entirely. These systems can be highly complex and require maintenance technicians with the right expertise to detect potential issues and give robots the proper upkeep they need. There are routine maintenance tasks your staff can carry out, but it's smart to trust more thorough inspections and complex repairs to the professionals.

## SPECIAL PURPOSE MACHINES & TURNKEY PROJECTS

Our focus on special purpose machine is to provide an equipment as per client request with the design of high production capability without compromising the quality and standards. Our quality is monitored through various quality processes including PPM tracking and continual improvement methods.

### List of SPM's focussed for the application's as below

- Leak testing application of parts & components
- Hydraulic & Pneumatic Systems For Circuit application
- Washing of components, products
- Sealant application
- Automated Final Inspection Table for Precision Parts

"As turnkey projects are concerned, we are ready to undertake all kinds of activities related to the profile of automation, facilities provision, material handling, fabrication and structural works".







## MAINTENANCE CONTRACTS & SERVICES

Our concept on maintenance is referred as discipline and profession of applying engineering concepts for the optimization of equipment, procedures, and departmental budgets to achieve better maintainability, reliability, and availability of equipment.

We have wide range of skilled professionals to take care of your invested assets and their accessories. Our services as follows:

- ✓ Annual Maintenance
- ✓ Preventive Maintenance
- ✓ Predictive Maintenance
- ✓ Electrical & Mechanical equipment's service
- ✓ Accessories Service

Maintenance of Industrial Machinery is a part of our services. We intend to implement and manage specialized maintenance strategies for corporate and administrative procedures. Inspection and preventive maintenance. Overhead Maintenance Regulatory inspections of spare parts, equipment Spare parts & tool management.

Technical Facilities Maintenance Promote a productive environment. We manage the operation, maintenance, inspection, and repair of your facility's services through our Technical Facility team. Additionally, we fix problems as quickly as possible and make sure that your production buildings have access to everything they need, including hot and cold water, compressed air, and electricity.

Your Project requirements are addressed by our in-house, qualified engineers. Your project needs are taken care of by our experienced engineers, Which include relocation, installation and commissioning, HVAC and utility projects, and jigs and fixtures.



## PART MACHINING SUPPLY

TTEPL

We provide first class machining services. Our experience and expertise skilled professionals in CNC machining enables us to create turned parts of superior quality and accuracy, in quantities from one into the thousands. Using advanced CNC equipment, we produce custom parts that match our customers' unique designs. Computer-controlled automation makes it possible for CNC machinery to quickly and efficiently deliver tight tolerance parts and perfect part-to-part and lot-to-lot uniformity. Our CNC machining capabilities involve,



- |               |                      |                          |                 |
|---------------|----------------------|--------------------------|-----------------|
| ■ CNC turning | ■ CNC bending cut    | ■ CNC tapping            | ■ Laser cutting |
| ■ CNC milling | ■ CNC plasma cutting | ■ Additive Manufacturing | ■ Engraving     |

While we specialize in CNC machining, we can produce high precision, high quality, custom machined parts from numerous materials, including stainless steel, carbon steel, brass, copper, and plastic. Other Speciality materials shall be available upon request.

Our machining part includes all kind of auto, non-auto components and sub-assemblies.

## OUR CLIENTS



### Technical Dept

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sundarveeraiyan@ttepl.net

### Sales Dept

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sales@ttepl.net

### Management Dept

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