





LIGENT MACHINES PVT. LTD.

Head Office - "Parshwa Solitaire "Office No103,First floor,
Gat. No. 1599, Dehu-Alandi Road, Near HDFC Bank,
Patil Nagar, Chikhali, Pune, Maharashtra -411062

Factory : Gat No. 463, near ESSAR petrol Pump,
Nighoje Road, Moi- 410501, Dist-Pune,MH,India

COMPANY PROFILE

Ligent Machines Pvt Ltd.

Industrial Solutions Delivered with Precision

Engineering | Automation | Infrastructure | Fabrication | Maintenance | Machining

About Us

Ligent Machines Pvt Ltd is a one-stop solution provider for industrial engineering needs working for more than 15 years- ranging from **new machine supply, installation, automation integration, fabrication, machining, civil works to comprehensive maintenance support**. We serve a wide variety of industries with the aim of enhancing productivity, efficiency and operational reliability. Backed by experienced engineers, state-of-the-art tools, and strict adherence to quality and safety, we deliver tailored engineering solutions that fit the evolving demands of modern manufacturing facilities and infrastructure.

Vision

To excel as a global leader in engineering solutions by empowering industries with advanced automation, superior infrastructure, and long-term service reliability.

Mission

- Deliver high-quality engineering and fabrication services
- Improve industrial operations with smart automation and retrofitting
- Support customers with reliable maintenance & spare part services
- Ensure innovation, safety & sustainability in every project

Our Services

Engineering Services

- Turnkey engineering project execution
- Design, planning & industrial layout solutions
- Safety & compliance consulting.

New Machines & Production Line Supply.

- Supply of equipment and automation assemblies
- Integration into existing operations
- Commissioning and Training Support.

Machine Installation & Commissioning

- Heavy and precision machine erection
- Alignment, calibration, testing & handover
- Production-ready commissioning.

Machine Shifting & Re-Layout

- In-plant relocation & full plant shifting
- Dismantling, rigging, shifting, reassembly
- Productivity-focused new layout planning

Reconditioning & Retrofitment

- Revamp of old machines for enhanced performance
- Mechanical overhaul, control upgrades & automation integration
- Cost-effective modernization

Spare Parts Supply

- OEM standard spares & consumables
- Custom part sourcing & logistics support
- Inventory planning for clients

All Kinds of Fabrication Works

- MS / SS fabrication & on-site erection
- Platforms, mezzanines & structural works
- Conveyors, tanks, ducting & customized fabrications

Machining of Parts

- Precision machining – Turning, Milling, Drilling, Boring, VMC
- Custom component manufacturing
- Proto & production batch machining

Civil Engineering & Industrial Infrastructure

- Industrial buildings & shed construction
- Machine foundations & RCC works
- Floor treatment, utility & structural development

Robotics & Automation Solutions

- Robotic arm integration & programming
- PLC / SCADA automation solutions
- Process digitization & smart factory upgrades

Industrial Maintenance Services

- Preventive / predictive / breakdown maintenance
- Annual Maintenance Contracts
- On-call rapid assistance services

Industries We Serve

- Automotive & EV
- FMCG & Packaging
- Steel & Engineering
- Food & Beverages
- Pharma & Chemicals
- Oil & Gas
- Warehousing & Logistics
- Plastic & Rubber Manufacturing

Our Strengths

- ✓ Complete engineering + automation + fabrication capability
- ✓ Strong technical manpower & on-site safety practices
- ✓ Quick turnaround with reliable support
- ✓ Customized cost-effective solutions
- ✓ Focus on quality, innovation & industrial growth
- ✓ Time bound delivery with superior quality.

Certifications

ISO 9001:2015 | Safety & Quality Standards | Industry Compliance

Contact Us:

Ligent Machines Pvt Ltd

Head Office - "Parshwa Solitaire" Office No 103, First floor, Gat. No. 1599, Dehu-Alandi Road, Near HDFC Bank, Patil Nagar, Chikhali, Pune, Maharashtra -411062

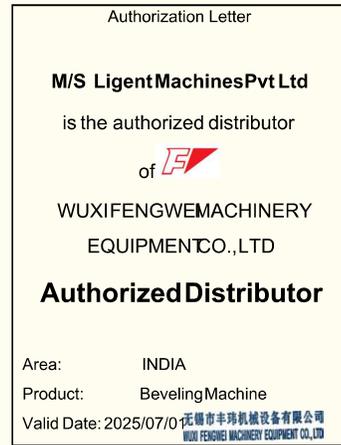
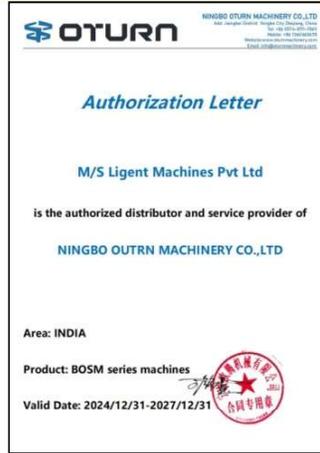
Contact : 9763818003

sales@ligentmachines.in ; sachin.vetal@ligentmachines.in

www.ligentmachines.in

Factory : Gat No. 463, near ESSAR petrol Pump, Nighoje Road, Moi- 410501, Dist-Pune, MH, India

Certifications



Customers



Trinity Engineers
Pvt. Ltd.



GE Aerospace



Putzmeister



Hitech
Induction



Vishwakarma Gears
Pvt. Ltd.

WIRTGEN
GROUP

INDIA

THERMAX

Jaivel Synergies Private Limited

+91 9763818003 / +91 9881082921

sales.info@ligentmachines.in / ligent.machines@gmail.com

www.ligentmachines.in



Industrial Civil Work & Fabrication

About Us

We are a specialized engineering company providing Industrial Civil Construction, Heavy Machine Foundations, and Civil Fabrication services for manufacturing facilities, processing units, and infrastructure industries. With strong project management and strict adherence to safety and quality standards, we deliver durable and cost-effective solutions tailored to industrial requirements.

Our Vision

To be a trusted engineering partner delivering innovative, strong, and sustainable civil solutions for industrial growth.

Our Mission

- Deliver high-quality construction with precision and safety
- Minimize downtime for industrial clients
- Maintain commitment to project schedules and budgets

Core Values

Quality Safety Reliability Integrity Customer Satisfaction

Our Services

1. Industrial Civil Works

- Factory building construction
- RCC works & structural concrete
- Pedestrian & industrial flooring
- Trench, pit & ducting construction
- Boundary walls & industrial infrastructure

2. Machine Foundation Works

- Heavy equipment RCC foundations
- Dynamic & vibration control design execution
- Foundation grouting & reinforcement works
- Repair & strengthening of old foundations
- Precision alignment support & anchoring

3. Civil Fabrication Works

- Fabricated structures (platforms, mezzanines, railings)
- PEB support & fabrication erection
- Pipe racks, pipe supports & equipment supports
- Custom mild steel fabrication & onsite installation
- Shed extensions & maintenance works

4. Industry Applications

- Automotive & Engineering Industries
- Power Plants & Utilities
- Food & Pharmaceutical Manufacturing
- Chemical & Process Plants
- Steel & Foundry Units
- Warehouse & Logistic Centers

5. Why choose us

- Experienced & skilled industrial project team
- End-to-end execution from design to handover
- High-grade material & industrial-class finishing
- Compliance with IS/ACI standards
- Budget-friendly and timely delivery
- Strong safety culture at every worksite

6. Resources & Capabilities

- Qualified civil engineers & supervisors
- Dedicated fabrication workshop
- Advanced cutting, welding & lifting equipment
- Skilled labour force & safety-certified workforce

7. Safety & Quality Assurance

- We follow strict QA/QC procedures covering material testing, RCC checks, welding inspections, and structural approval. Our team follows all industry safety standards for zero accidents.

8. Key Projects Completed

- Machine foundation works for HBM, Rail for Crane & RGV, CNC & heavy presses
- Industrial shed fabrication & installation
- RCC structural upgrades in running plants

Civil Foundation for Heavy Machine & Wind Industries



Foundation work for Duplex Boring Machine
Load 160 Ton. Size : 13.5 m x 25 m x 2.5 m



Foundation work for Duplex Boring Machine
Load 160 Ton. Size : 11.5 m x 25 m x 2.5 m



EV Truck : ADAS Testing equipment foundation for wheel alignment, brake testing, speed test



Machine Foundation
size 11.5 m x 24 m x 2.2 m & 10.5 m x 23 m x 2.1 m



HBM Foundation
size 3 m x 6 m to 6 m x 12 m



PRESS Foundation 100 Ton to 650 Ton
size 9 m x 13 m x 4.5 m

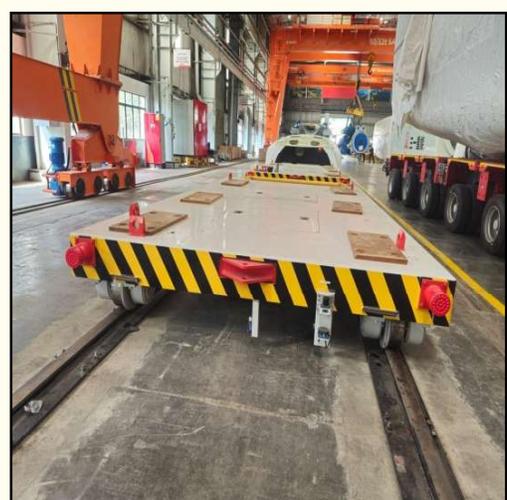
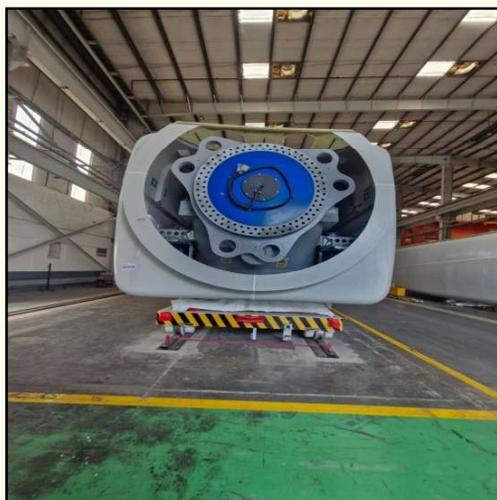
Civil Foundation for Crane Rails for Wind Industries



Rail Installation for Crane & RGV For Wind Industries



Goliath Crane Foundation
Medium Tonnage 3 to 50 Ton Large Tonnage 60 to 200 Ton



RGV Foundation 5 Ton to 80 Ton

Civil & Fabrication Work for Industrial Shade





Reconditioning & Retrofitting, Spares

COMPANY PROFILE

About Us

We are a specialized engineering services company delivering high-precision industrial machine reconditioning, CNC/PLC retrofitting, and genuine spare parts supply. With strong expertise in mechanical, electrical and automation engineering, we enhance productivity, extend machinery life, and reduce downtime for our customers across manufacturing industries.

Our focus is simple — **Revive. Upgrade. Sustain.**

Our Core Services

Machine Reconditioning

- Complete mechanical refurbishment
- Guideway scraping & alignment correction
- Spindle reconditioning & balancing
- Hydraulic, pneumatic & lubrication system upgrades
- Machine geometry accuracy restoration

Retrofitment & Modernization

- CNC/PLC controller upgrades (Fanuc / Siemens / Mitsubishi etc.)
- Servo & drive replacement
- Electrical rewiring & panel upgrades
- Automation integration for enhanced capability
- Operator interface modernization (HMI upgrades)

Spare Parts & Consumables Supply

- OEM & high-quality replacement parts
- Mechanical components: bearings, ball screws, couplings
- Electrical automation components: drives, sensors, relays
- Hydraulic & pneumatic parts supply
- Fast turnaround for imported components

Industries Served

- Automotive & Auto-Ancillaries
- Machine Tools & Fabrication Units
- Aerospace & Defence Manufacturing
- Heavy Engineering & Foundries
- Energy & Power Equipment Manufacturers

Why Choose Us

- Hands-on expertise in diverse machine categories
- Cost-effective solutions vs new machine purchase
- Quick response & technical support
- Accuracy restoration with proven methodology
- Reliable sourcing network for parts availability

We deliver **performance improvement, reduced breakdowns** and **extended machine life** — ensuring maximum customer ROI.

Our Team

Our experienced engineers & technicians are skilled in advanced maintenance engineering, automation, alignment technology, and CNC controls — ensuring quality workmanship from assessment to commissioning

Quality & Safety Commitment

We follow strict inspection protocols, performance validation standards & preventive safety practices to ensure reliable and durable results

Mission

To empower manufacturers by providing sustainable machine upgradation solutions and minimizing industrial downtime.

Vision

To be a trusted engineering partner in machine lifecycle enhancement through innovation, technology & customer-centric service.

Reconditioning & Retrofitting, Spares



Servo Motors & Drives



Couplings



Ball Screw



Bearings



Control Panel
& Connectors



Electrical & Electronic
Parts



New Machines Supply & Installation

COMPANY PROFILE

Delivering Excellence in Industrial Machinery Solutions

About Us

Ligent Machines Pvt. Ltd. is a trusted partner in industrial growth, specializing in the supply, installation, and commissioning of new industrial machines across various sectors. With a strong focus on technology, reliability, and customer satisfaction, we provide end-to-end engineered solutions that enhance productivity and operational efficiency.

Our team consists of experienced technical professionals capable of handling diverse machinery installations with compliance to global industrial standards.

Our Core Services

- ✓ New Industrial Machine Supply
 - CNC Machines, VMC, HMC
 - Fabrication & Sheet Metal Machinery
 - Material Handling Systems
 - Packaging & Manufacturing Automation

- ✓ Machine Installation & Alignment
 - Mechanical & Electrical Installation
 - Precision Leveling & Alignment
 - Foundation & Grouting Support
 - Safe Shifting & Positioning

- ✓ Commissioning & Performance Validation
 - Trial Runs & Calibration
 - Production Optimization
 - Documentation & Operator Training

- ✓ After-Sales Support & AMC
 - Preventive Maintenance
 - Genuine Spare Parts Supply
 - Breakdown Service Response

Industries We Serve

- Automotive & Auto Components
- Engineering & Fabrication Units
- FMCG & Packaging
- Plastics, Rubber & Extrusion
- Pharma & Chemical Manufacturing
- Heavy Industries

Why Choose Us

- Technically Skilled Installation Teams
- Turnkey Execution Capability
- On-time Project Completion
- Application-focused Machine Selection Support
- Strong Vendor Network for Machinery Supply
- Commitment to Safety & Quality Standards

Quality & Safety Assurance

We strictly follow ISO and industrial safety standards ensuring reliable & hazard-free execution.

Our processes are designed for zero defects and optimal performance of installed machines

Our Vision

To become a leading industrial machinery solution provider by empowering manufacturers with the latest technology and reliable installation expertise.

Our Mission

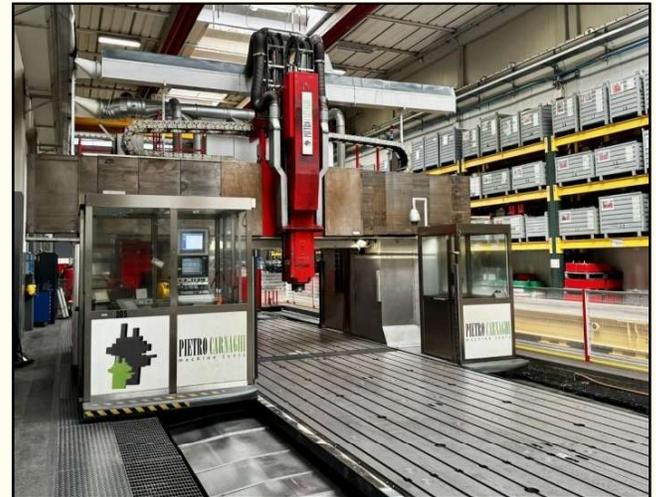
To deliver innovative solutions, timely service, and long-term value to our customers through continuous improvement and engineering excellence.



Horizontal Boring Machine Supply and Installation



Horizontal Boring Machine Supply and Installation



Smart Link 65



Mini CNC Lathe



Swiss Type CNC Lathe



Robotics & Automation

COMPANY PROFILE

About Us

We are a technology-driven company specializing in advanced robotics, industrial automation, and smart manufacturing solutions. Our mission is to enable businesses to achieve higher productivity, improved safety, and cost optimization through intelligent automation. With strong expertise in design, integration, and digital transformation, we make industries future-ready.

Vision

To become a global leader in intelligent automation by creating innovative, sustainable, and customer-centric robotic solutions.

Mission

- Deliver cutting-edge automation technologies aligned with Industry 4.0
- Enhance operational efficiency and safety with scalable solutions
- Foster continuous innovation and excellence in engineering
- Build long-term partnerships with customers through quality and service

Our Expertise

We provide end-to-end solutions including consulting, design, development, installation, programming & support.

Business Solutions

- ✓ Robotics Integration
- ✓ Industrial Automation & Control Systems
- ✓ IoT & Smart Factory Solutions
- ✓ Machine Vision Systems
- ✓ Automotive & Material Handling Automation
- ✓ Custom Special Purpose Machines (SPM)
- ✓ Digital Twin & Simulation
- ✓ Collaborative Robots (Cobots) Deployment

Our Expertise

We provide end-to-end solutions including consulting, design, development, installation, programming & support.

Why Choose Us?

Proven Execution & Reliability

Deep Robotics and Automation Expertise

Innovative Engineering and Customization

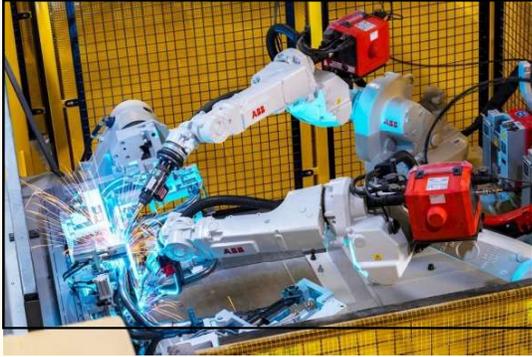
Rapid Deployment and full Lifecycle support

Measurable ROI & Process Optimisation

Service Offerings

Pre-engineering & Concept Design
Prototyping & Simulation
Installation, Commissioning & Training
AMC, Remote Support & Upgrades

Robotics and Automation



Robotic Welding Automation
Robotic System Integration, Robotic Grippers,
Pick and Place System
Welding Cells,



Customised End To End Automation Solutions



Welding Special Purpose Machine



SPM and Hydro Testing Equipments



Automated High Speed Inspection System

New Heavy Duty Machines

The BOSM moving column gantry pentahedral machining center inherits the advantages of traditional gantry machine tool foundation frame, such as strong rigidity, symmetrical structure, and high stability. Combined with independent research and development innovative design concepts, all adopt three-dimensional design, and the main structure of the machine tool adopts finite element analysis. By optimizing the reinforcement structure and reasonably distributing the mass, the whole machine has a heavy load, strong rigidity, and excellent moving characteristics, meeting the requirements of high-power high-precision cutting and suitable for the processing of super large and super heavy parts.

The BOSM moving Column Longmen Pentahedral Machining Center has various machining functions such as drilling (drilling, expanding, twisting), milling, boring, threading, and countersinking. Its structure and technology are mature, and its quality is stable. It is suitable for the processing of large parts in various mechanical processing fields such as ships, new energy, aerospace, automobiles, engineering machinery, wind power, textile machinery, packaging machinery, rail transportation, military industry, and molds, including single element and composite material processing. It is also the preferred equipment for processing various oversized and overweight parts with high precision requirements and complex structures. It can achieve automation, multi variety, and large-scale production. To meet the processing needs of different users, in addition to conventional models, customization can also be designed according to the actual needs of users.



BOSM-DS3030/4030/5030/6030



BOSM-DS4040/5040/6040/7040



BOSM-DS6030/8040/9595/11070

Moving Column Gantry Pentahedral Machining Center



BOSM-DS12040/12050/12060/12070/12080



Mini CNC Lathe and Swiss type CNC Lathe

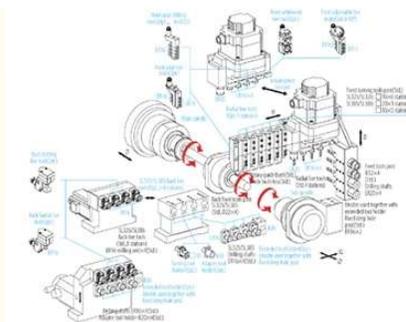
The company is committed to creating CNC precision gear hobbing machine, precision gang tool CNC lathe, precision Swiss-type CNC lathe and precision turning - milling complex center four categories of products, to provide users with quality products and services.

The company has a number of high-precision machining equipment and testing instruments, including a number of Japanese MAKINO high-precision horizontal machining center, Swiss STUDER high-precision horizontal grinding machine, a number of Japanese TAIYO KOKI CNC grinding machine, German DMG precision CNC lathe, Taiwan KENT precision surface grinding machine, German Zeiss coordinate detector, British RENISHAW dual-frequency laser interferometer, Japan TTI gear testing center, Germany imported SCHENCK online dynamic balancing instrument and parts dynamic balancing instrument, Japan Mitutoyo high-precision roughness meter and profile meter and other high-precision equipment and instruments, for product development and intelligent manufacturing provide a strong foundation.

Mini CNC lathe



- Taiwan SYNTEC CNC controller, with high stability and precision.
- NSK angular contact ball bearings (3+2), with spindle runout of $\leq 2\mu\text{m}$.
- Spindle speed 5000 rpm, X/Z rapid transverse speed 15m/min.
- High rigidity. Stable structural design, high-quality Meehanite cast iron bed body, and high rigidity after aging treatment.
- Fully servo driven, NSK bearings and HIWIN/PMI screw/guides to ensure accuracy, Z axis cantar drive, repeated positioning accuracy is $\leq 3\mu\text{m}$.
- Gang type tool structure, compact structure, high precision, fast speed.
- Centralized Lubrication System
- Can be equipped with divers fied feeders to achieve automatic processing
- Widely used in complex, small, and precision parts in industries such as automotive, toy, medical, instrumentation, and aviation.



Swiss type CNC Lathe



Machine Installation, Line Shifting & Re-Layout

About Us

We are a specialized industrial engineering service provider delivering end-to-end solutions in machine installation, production line shifting, layout planning, and commissioning. With a strong technical team and proven execution capabilities, we ensure minimal downtime, maximum productivity, and safe handling throughout every project

Our Expertise

- ✓ Industrial Machine Installation
- ✓ Production Line Shifting & Re-installation
- ✓ Industrial Relayout & Optimization
- ✓ Mechanical, Electrical & Pneumatic Integration
- ✓ Factory Expansion & Re-location Support
- ✓ Equipment Leveling, Alignment & Commissioning
- ✓ Conveyor, Utility & Structure Modification
- ✓ On-site Repair & Revamping Work

Industries We Serve

- Automotive & Auto-Components
- General Engineering & Fabrication
- Electronics Manufacturing
- Food & Packaging Industry
- Pharmaceutical & FMCG
- Aerospace & Defence Support

Why Choose Us

- Highly Skilled Technical Workforce
- Safety-Driven Work Execution
- Precision Tools & Modern Handling Equipment
- Time-Bound & Cost-Effective Project Delivery
- Layout Optimization to Improve Productivity
- Strong After-Installation Support

Our Work Approach

- Site Study & Feasibility
- Dismantling & Handling Planning
- Layout Engineering & Marking
- Machine Shifting using Professional Handling Tools
- Installation, Leveling & Alignment
- Trial Run & Performance Validation

Quality & Safety

- We follow industry-standard protocols:
- ISO-compliant processes
- Risk assessment & method statements
- Mandatory PPE & trained supervisors
- Proper load-handling practices

Tools & Equipment

- Lifting & Shifting Tools (Crane, Forklift, Hoist)
- Precision Alignment Tools
- Hydraulic Jacks & Pallet Trucks
- Pneumatic & Electrical Tools

Deliverables

- Smooth Execution with Minimum Production Loss
- Enhanced Layout Productivity
- Documentation & Commissioning Report

Machine Installation, Line Shifting & Re-Layout



Machine / Line Shifting
Machine / Line Shifting



Machine Re-Layout



Component Trials and
Machine Pro-out



Machine Installation

Machine Installation



Jig Fixtures & CNC Parts Machining Solutions

About Us

We are a precision engineering company specializing in the design, manufacturing, and supply of jigs, fixtures, and high-accuracy CNC machined components for diverse industrial applications. With strong technical expertise, modern machinery, and skilled manpower, we deliver reliable, cost-effective, and timely machining solutions that meet international quality standards.

Our focus is to enhance our customers' productivity, accuracy, and manufacturing efficiency by providing robust tooling solutions and precision components tailored to their exact requirements.

Our Vision

To become a trusted long-term manufacturing partner by delivering world-class precision engineering solutions with consistent quality, innovation, and customer satisfaction.

Our Mission

- To deliver high-precision products with zero compromise on quality
- To support customers with fast turnaround and dependable service
- To continuously upgrade technology and skills
- To build long-term relationships based on trust and performance

Our Core Services

Jig & Fixture Manufacturing

- Welding fixtures
- Assembly fixtures
- Inspection fixtures
- Drill jigs
- Turning & milling fixtures
- Modular fixtures
- Hydraulic & pneumatic fixtures
- Custom-built special purpose fixtures

CNC Machining Services

- CNC milling (3-axis / 4-axis / 5-axis)
- CNC turning
- VMC & HMC machining
- Prototype development
- Batch & mass production
- Tight tolerance machining

Precision Component Manufacturing

- Machine parts
- Automotive components
- Aerospace & defense components
- Electrical & electronics parts
- Tool room components
- Industrial equipment parts

Quality Assurance

Quality is at the core of our operations. Our inspection

process includes:

- CMM inspection
- Height gauge & profile projector
- Digital vernier & micrometers
- Surface roughness tester
- In-process and final inspection reports
- Material traceability

We strictly follow documented quality procedures to ensure dimensional accuracy, repeatability, and durability of all products.

Safety & Compliance

We follow strict workplace safety standards and comply with industry regulations to ensure a safe, efficient, and environmentally responsible manufacturing environment.

Additional Capabilities

- CAD/CAM programming
- Reverse engineering
- Surface grinding & finishing
- Heat treatment coordination
- Anodizing, plating & coating support
- Assembly & sub-assembly

Industries We Serve

- Automotive & Auto Ancillary
- Aerospace & Defense
- Heavy Engineering
- Robotics & Automation
- Electrical & Electronics
- Medical Equipment
- Industrial Machinery
- Renewable Energy

Infrastructure & Facilities

- Advanced CNC machining centers
- High precision VMC & CNC turning centers
- Tool room & fixture design department
- CAD/CAM software
- Quality inspection lab
- Skilled engineers & machinists
- Controlled production environment

Why Choose Us

- High precision & consistent quality
- Strong fixture design expertise
- Competitive pricing
- On-time delivery
- Custom engineering solutions
- Responsive technical support
- Long-term partnership approach

Future Growth

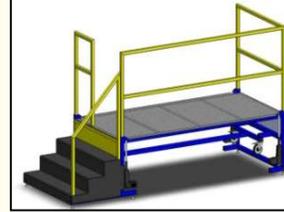
We continuously invest in:

- New CNC technologies
- Automation & digital manufacturing
- Skilled workforce training
- Capacity expansion

Tacking Fixture



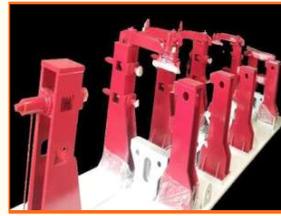
Anti Skid Work Platform



Manipulator Assembly



Machining Fixture

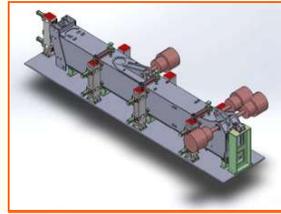


In-house Setup – Weld Shop

Horizontal Milling Machine

Radial Drilling Machine

Esab Welding – 3 nos



Custom Machining Die , Mold & Heavy production parts

In-house Inspection Setup – Weld Shop

Electronica Hight Master

Mitutoyo Height Gauge

Surface Plate 1000 x 1000



Custom Machining - Turning

CNC 1



CNC 2



F & C



Automotive Parts



EV Parts



Defence Parts