



SIDDHI VINAYAK ENGINEERING

An ISO 9001:2015 Certified

THE COMPLETE SOLUTION FOR MACHINING, JIG-FIXTURE, TOOL ROOM & FABRICATION JOB WORKS



PRODUCTS & SERVICES

- WELDING FIXTURES
- INSPECTION FIXTURES
- BIW FIXTURES
- PRECISION JOB WORKS
- ASSEMBLY FIXTURES
- MACHINE PARTS
- FABRICATION
- GAUGES
- HYDRAULIC FIXTURES

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 www.siddhivinayakengg.in



OUR COMPANY

Driven By Precision Siddhivinayak Engineering delivers meticulously engineered Jigs, Fixtures, and Precision Job Works that consistently define accuracy. Our solutions are crafted to optimize production efficiency and assure absolute quality.

Established in 2016, Siddhivinayak Engineering has rapidly ascended to become a premier complete-solution provider in the precision engineering and manufacturing landscape. Headquartered in the high-growth Bhosari Industrial Area, Pune, we serve as a strategic partner to industries requiring high-standard technical execution and innovative engineering solutions.

We specialize in the end-to-end designing and manufacturing of critical industrial tools, including Jigs, Fixtures, Gauges, and Precision Components. Our facility is a hub for Tool Room Job Works and high-grade Fabrication Work, managed by a dedicated team of experts committed to excellence.

OBJECTIVES

- Improving customer quality rating by attaining zero level job work rejection.
- Improving customer relationship by maximizing customer satisfaction through continual improvement in job commitments.
- Improving customer Delivery & cost rating.
- Implementing continual improvement project on
- Quality, Cost, Delivery, Moral.

INFRASTRUCTURE

Siddhivinayak Engineering is located in the prime location of Bhosari, Pune

MIDC, Bhosari, Pune. & is expanded in 7500 sqft. Of well equipped industrial shade with inbuilt office & accommodation facility & all the additional facilities necessary for a healthy industrial plant.

Adding the value to our physical assets we have highly experienced & skilled team that enriches our strength.





IN - HOUSE MACHINE FACILITY AVAILABLE

SR. No.	Machinery Arsenal	Make	Spacs / Size	Qty
01	VMC (VL1570)	STM	1500X700X700 Strocks	01
02	M1TR MILLING	MANFORD	1000x450x400	01
03	M1TR MILLING	ESTEAM	1000x450x400	01
04	Milling Machine	G. DUFOUR	1000x300x350	01
05	Milling Machine	G. DUFOUR	1000x300x300	01
06	Turning Lathe	SHRIKANT	9 Feet	01
07	Turning Lathe	PRATHIK	5.25 Feet	01
08	Surface Griding	FAVRETTO	700 X 500	01
09	Bandsaw Machine	RAISE	Dia 250mm	01
10	Tapping Machine	SMART TAP.	M5-M30	01
11	Welding (Argon)	SWISS INDIA	400 Amp	01
12	Welding (CO2)	KEMPI	-	01

QUALITY & INSPECTION

- Surface Table (Luthara) 630x630x85
- Height Gauge (Insize) 0-300mm
- Dial Vernier (Insize) 0-200mm
- Dial Vernier (Insize) 0-300mm
- Bore Gauge (Insize) 18-35mm
- Bore Gauge (Insize) 35-60mm
- Bore Gauge (Insize) 50-160mm
- Micrometers (Mitutoyo) 0-25mm & 25-50mm
- Lever/Plunger Dial (Baker) 0-1mm
- Slip Gauge Box (Markvel) 0.1-100mm
- Digital Degree Protector (Insize)
- Vernier (Yamayo) 0-600mm

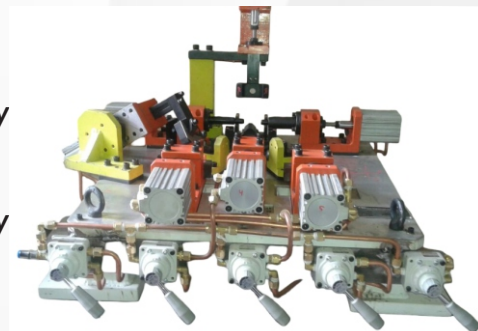


WELDING FIXTURES

At Siddhivinayak Engineering, we deliver industry-leading Welding Fixtures tailored for complex MIG, TIG, and Spot welding applications. We understand that even a millimeter of deviation can halt an assembly line. Our fixtures are built with maximum clamping rigidity to absorb extreme thermal stress, ensuring your weld penetration quality is flawless every single time. Designed for both manual workstations and fully robotic cells, we guarantee dimensional stability that meets global automotive standards.

Features

- Flawless compatibility with MIG, TIG, and CO2 robotic welding systems.
- Zero-distortion pneumatic/manual clamping for complex and heavy assemblies.
- Ergonomically engineered 3D designs for optimized torch accessibility
- Constructed with premium Alloy Steel and Copper inserts to completely resist weld spatter.



INSPECTION FIXTURES

In precision engineering, quality is non-negotiable. Our Inspection Fixtures are meticulously crafted to serve as the ultimate quality checkpoint for your critical components. Designed to strictly adhere to complex GD&T standards, they enable your quality control team to perform rapid, error-free shop-floor verifications. Every single fixture undergoes rigorous 100% CMM validation in our facility, ensuring micron-level accuracy and a perfect Gauge R&R score before it reaches your plant.

Features

- 100% CMM - certified accuracy backed by detailed dimensional validation reports.
- Seamless integration of precision Go/No-Go gauges, flush pins, and dial indicators.
- Highly wear-resistant contact points engineered from hardened tool steel
- Foolproof design architecture enabling rapid shop-floor inspection by operators.



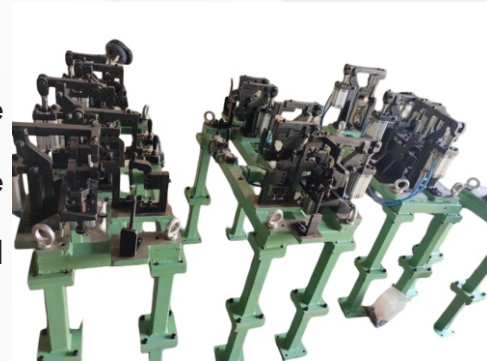


BIW FIXTURES

BIW Fixtures form the critical backbone of the automotive manufacturing process. We possess the capability to deliver high-rigidity Geo and Re-Spot framing fixtures that hold heavy sheet metal panels with absolute precision. Our robust designs are engineered to absorb extreme dynamic loads, completely eliminating vibration and flex during robotic welding. Equipped with precision modular shim blocks and heavy-duty pneumatic clamping, our BIW solutions ensure a seamless, uninterrupted assembly line.

Features

- Turnkey engineering solutions for Geo, Re-Spot, and Hemming stations.
- High-rigidity structural frames specifically designed to eliminate vibration and flex
- Modular shim-based systems for ultra-fast maintenance and fine-tune adjustments.
- Seamless electrical integration with PLCs, proximity sensors, and pneumatic controls



PRECISION JOB WORKS

Leveraging state-of-the-art VMC and CNC machining centers, we execute complex precision job works that demand exacting standards. From rapid bespoke prototyping to high-volume continuous production, our facility is highly capable of machining exotic alloys, stainless steel, and aerospace-grade aluminum. We pride ourselves on our ability to maintain micro-level tolerances and deliver uncompromising quality that strictly adheres to your most demanding technical blueprints.

Features

- Multi-axis VMC & CNC machining for highly complex, multi-faceted component profiles.
- Flawless processing of MS, SS, Aluminum, Brass, EN-Series, and specialized alloys.
- Micro-level tolerance control strictly verified by advanced metrology equipment.
- Comprehensive end-to-end solutions from raw material sourcing to final surface treatment





ASSEMBLY FIXTURES

To achieve operational excellence, efficiency and accuracy must be integrated into the process. Our custom-engineered Assembly Fixtures are designed to significantly reduce operator fatigue while completely eliminating fitment errors. By deeply integrating Poka-Yoke (mistake-proofing) methodologies, we enforce correct part orientation by design. This results in drastically reduced rejection rates, lightning-fast cycle times, and the guarantee that every final assembly is perfect.

Features

- Strict Poka-Yoke design architecture to physically prevent incorrect part orientation.
- Ergonomically optimized engineering to reduce operator fatigue and boost throughput.
- Robust, industrial-grade construction utilizing lightweight aluminum and hardened steel
- Highly adaptable designs suitable for both manual workstations and fully automated lines

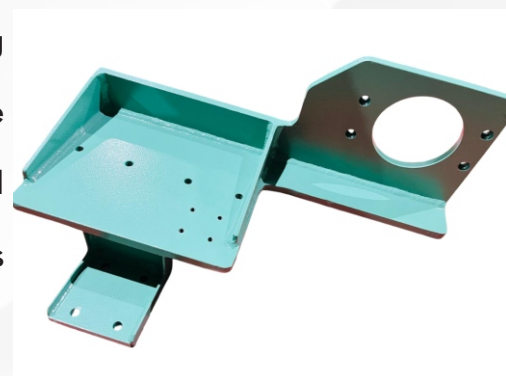


MACHINE PARTS

We understand that machine downtime costs you money. Our highly capable facility specializes in the rapid and flawless manufacturing of mission-critical mechanical spare parts, including precision shafts, heavy-duty gears, and complex housings. Whether executing complex reverse engineering for an obsolete component or handling OEM mass production, we employ advanced heat treatments and precision grinding to deliver parts that boast superior wear resistance and extended operational lifespans.

Features

- Comprehensive reverse engineering and custom CAD drafting capabilities.
- Advanced heat treatment processes for superior durability and extreme wear resistance
- Precision cylindrical and surface grinding ensuring exact dimensional fitment
- Rapid turnaround manufacturing designed to minimize your plant's operational downtime.





FABRICATION

Siddhivinayak Engineering commands a highly capable fabrication division offering end-to-end heavy industrial fabrication with immense structural strength and premium finishing. Our certified welding experts execute complex assemblies of Mild Steel (MS), Stainless Steel (SS), and Aluminum. From heavy-duty structural shells to precision engineered hoppers and ergonomic material handling trolleys, every fabricated unit undergoes rigorous Non-Destructive Testing (NDT) to guarantee absolute structural integrity.

Features

- Heavy structural fabrication utilizing industry-certified TIG, MIG, and Arc welding techniques
- Custom-engineered material handling solutions built to support lean manufacturing.
- Impeccable joint strength verified through rigorous load and dye penetrant testing
- Complete in-house surface finishing capabilities, including powder coating and industrial painting



GAUGES

When standard measurement tools fall short on complex geometries, our custom engineered Gauges provide the definitive solution. These advanced instruments empower your quality inspectors to simultaneously verify multiple critical parameters—such as intersecting angles, intricate slot widths, and exact hole positions—in a single, rapid operation. Manufactured from premium hardened tool steel and strictly CMM-calibrated, our gauges drastically reduce QA cycle times while guaranteeing 100% component conformity.

Features

- Simultaneous multi-parameter verification (Angles, Slots, Positional Tolerances) in one setup.
- Crafted from premium hardened OHNS/HCS ensuring zero wear and extreme longevity.
- 100% CMM-calibrated to guarantee micron-level measurement accuracy across all axes.
- Drastically reduces Quality Assurance (QA) cycle times compared to standard measurement techniques.





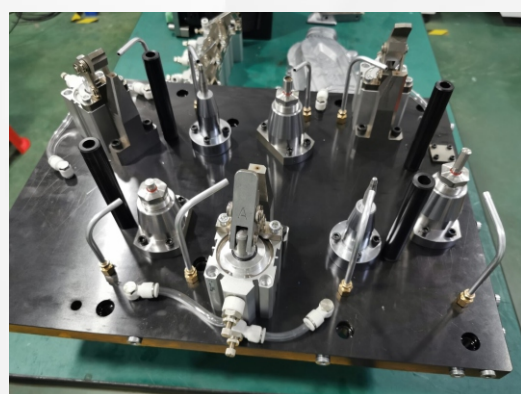
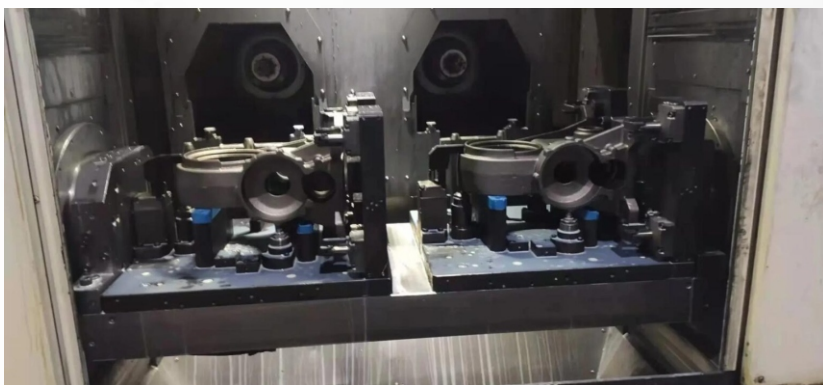
HYDRAULIC FIXTURES

Hydraulic fixtures are devices designed and manufactured using the principles of hydraulic systems to fix and support workpieces. They are mainly used in precision machining, assembly, and testing, achieving automated operation through hydraulic pressure and providing powerful support and clamping forces. Hydraulic fixtures are characterized by high efficiency, precision, and stability, and are widely used in industries such as machining, automotive manufacturing, and aerospace.

Hydraulic fixture design demands high standards, requiring consideration of factors such as workpiece size, shape, material, and machining processes to ensure optimal performance. Precienn has professional hydraulic fixture design engineers with extensive experience, particularly in designing hydraulic fixtures for automotive parts processing.

Features

- High clamping force and stable output
- Precise and controllable movements with high repeatability
- Highly compatible with automation, improving production efficiency
- Adapt to complex workpiece shapes
- High stability and high precision



OUR VALUABLE CLIENTS





Mr. VINOD KAWADE (Director)



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GST Registration No.
27BOPK1067R1ZC