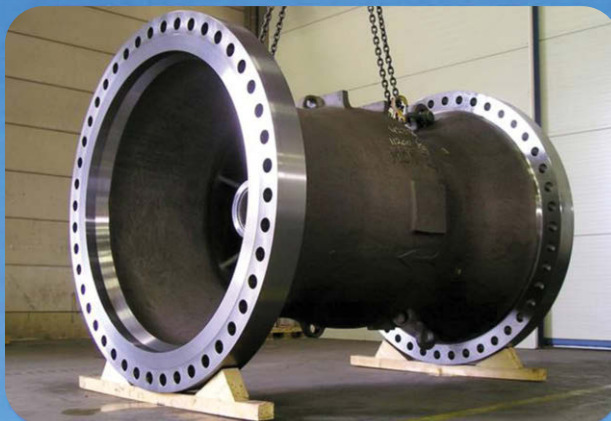




# SURAJ MICROTECH ENGINEERS

*Complete Machining solution for  
Heavy & Large Components*

Company Profile



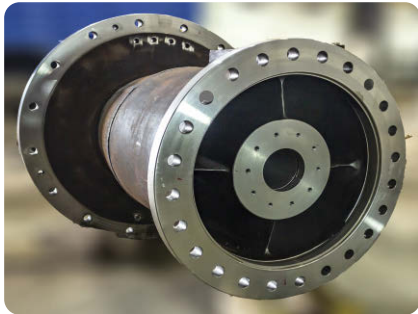
[www.surajmicro.com](http://www.surajmicro.com)



# Introduction



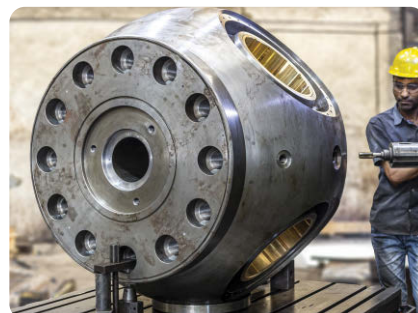
Inspired by the fast growing infrastructure and power needs in 2004, SURAJ MICROTECH ENGINEERS began with little more in the way of machinery than a lathe, drill and milling machine. Over the time Suraj Microtech Engineers have cemented its position as the trusted partner for its client's manufacturing process in thermal power, wind power, hydrao power, cement plants, steel plants and many other heavy engineering sectors.



Precision Machining and machined parts are a important part of our business we offer a full service plant with the capability to machine large components for the heavy industry. We have a large variety of machines for general or specialty machining. Our facility allows us to turn large diameter pieces. Large component precision machining is our specialty. Whether it's one or one hundred, producing high quality machined component & parts is an integral part of our success. We offer a wide range of equipment and services for milling, machining, drilling, boring and turning.



We continue to invest heavily in state of the art machine tools and tooling. We also continue seeking new methods and materials that have always put us a step ahead of our competitors. We offer only the best in precision machining. The extensiveness and size of the equipment enables the team to handle any size job at any time making the choice for all of the customers' heavy machining projects. No matter how big the job, Company has the experience, equipment and facilities to get the job done fast, on time and with high degree of quality



It was the dedication and vision towards the future that brought the company from those humble beginnings to the current operations with 23,000 Sq. Foot of manufacturing space. The success is attributed to the capability to machine parts with little or no outsourcing of subsequent operations. Located in Kathwada, Ahmedabad, Gujarat (India) SURAJ MICROTECH ENGINEERS is a unique manufacturer specializing in heavy machining.



Precision machining

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# Capabilities & Quality Policy



## Our Team

The team is highly skilled and experienced craftsman, who takes pride in working to the highest standards. The team has the knowledge, resources and equipments to exclusively support the customers' requirements.

Over 35 qualified machinist, state of the art equipments and engineering personnel are capable of manufacturing and fixturing to meet all large machining needs.

Our customers recognize this quality by relying on Suraj Microtech Engineers as their trusted source. SMTE is dedicated to offering customers the finest possible products and services detailed to meet even toughest specifications.

## Quality Assurance

At Suraj Microtech Engineers, we have a strong commitment to growing our company in a sustainable way, it includes delivering Consistent Service and Quality for our customers, Valuing and Challenging our employees and Working to improve the communities in which we operate and serve.

- **Business is the best opportunity to serve.**
- Our vision is to be a world class supplier for machining of large casting, fabricated and forged components.
- Our goal is to work closely together to supporting our clients in their project to improve their operational and sustainability performance.
- Our priority shall be understanding the challenges our customer faces and delivering the solutions that meet their needs.
- Our values is inspiring for responsible leadership and as a team and individual shall strive to create a restful environment which unleashes individual creativity and continually finding optimum ways to do smart work.
- We Pledge that we shall be fair and honest with up most on human values in all our dealings.
- **The management shall promote quality execution at all levels through the quality management systems.**



# Machinery & Infrastructure



## Horizontal Boring (HBM) - 4 Nos.

<b>Make</b>	: TOS	<b>X Travel</b>	: 1600 mm
<b>Model</b>	: W100 A	<b>Y Travel</b>	: 1300 mm
<b>Spindle Ø</b>	: 100 mm	<b>Z Travel</b>	: 1250 mm
<b>Table</b>	: 1250x1250mm	<b>D.R.O.</b>	: 3 Axis



## Horizontal Boring (HBM) - 1 Nos.

<b>Make</b>	: TOS	<b>X Travel</b>	: 2000 mm
<b>Model</b>	: WHN 13A	<b>Y Travel</b>	: 2000 mm
<b>Spindle Ø</b>	: 130 mm	<b>Z Travel</b>	: 1250 mm
<b>Table</b>	: 1800x1800mm	<b>D.R.O.</b>	: 4 Axis
<b>Table Load Cap: 12 Tons</b>			



## CNC Vertical Turret Lathe (VTL) - 1 Nos.

<b>Make</b>	: WMW-NILES	<b>Max Height</b>	: 1100 mm
<b>Model</b>	: DKZ-2000	<b>Table Load</b>	: 10000 Kgs.
<b>Table Ø</b>	: 1800 mm	<b>Total Qty</b>	: 1 Nos.
<b>Max Swing Ø</b>	: 2200 mm		



## Vertical Turret Lathe (VTL) - 6 Nos.

<b>Make</b>	: RAFAMET	<b>Max Height</b>	: 2600 mm
<b>Model</b>	: KCF -320A	<b>Table Load</b>	: 25000 Kgs.
<b>Table Ø</b>	: 3200 mm	<b>Total Qty</b>	: 2 Nos.
<b>Max Swing Ø</b>	: 3550 mm	<b>Table Load Cap</b>	: 25 Tons



<b>Make</b>	: TOS	<b>Max Height</b>	: 950 mm
<b>Model</b>	: SK-12	<b>Table Load</b>	: 5000 Kgs.
<b>Table Ø</b>	: 1200 mm	<b>Total Qty</b>	: 4 Nos.
<b>Max SwingØ</b>	: 1350 mm		

(TOS SK-12 - 1 Nos. CNC)



## Radial Drills - 3 Nos.

<b>Make</b>	: EMA- Italy
<b>Model</b>	: EMA80
<b>Drilling Capacity in Steel</b>	: 80 mm
<b>Arm Length</b>	: 2200 mm
<b>Total Qty</b>	: 1 Nos.

<b>Make</b>	: ZJ-TAIWAN
<b>Model</b>	: 3060X16
<b>Drilling Capacity in Steel</b>	: 50 mm
<b>Arm Length</b>	: 1600 mm
<b>Total Qty</b>	: 2 Nos.

## Installed Lifting Capacity

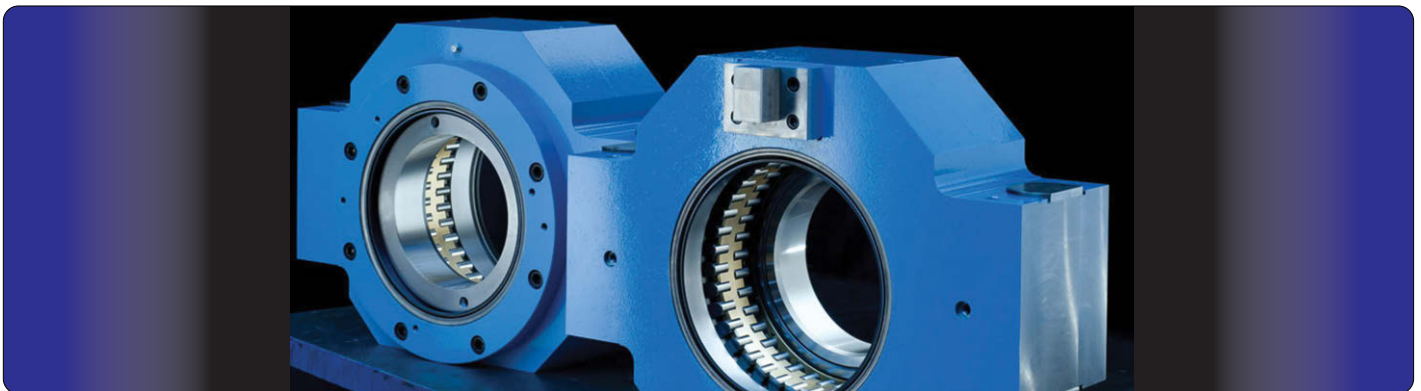
<b>20 TON EOT Overhead Crane</b>	<b>2 Nos.</b>
<b>05 TON EOT Overhead Crane</b>	<b>3 Nos.</b>
<b>02 TON EOT Overhead Crane</b>	<b>2 Nos.</b>



# Measurring Instruments



- Digital Height Master (Electronica) : Up to 1350 mm
- Digital Height Gauge (Yamayo) : Up to 1000 mm
- Vernier Caliper (Mitutoyo) : Up to 2000 mm
- Digital Vernier Caliper (Mitutoyo) : Up to 2000 mm
- Dial Bore Gauge (Mitutoyo) : Up to 1000 mm
- Outside Micrometer : Up to 2400 mm
- Inside Micrometer (Mitutoyo) : Up to 4000 mm
- Surface Plate (Granite) : 2500 x 1500 mm
- Depth Vernier (Mitutoyo) : Up to 600 mm
- Cast Iron Straight Edge : Up to 3500 mm
- Granite Square Master : 750 x 750 mm
- Marking Table : 3000 x 1500 mm





## *Industries we serve*



***Power Plant  
Components  
Machining***



***Petrochemical Plant  
components  
Machining***



***Cement Plant  
Components  
Machining***



***Sugar Mill Plant  
components  
Machining***



***Steel Rolling Mill  
Components  
Machining***



***Pumps & Valves  
Machining***



***Castings &  
Forging  
Machining***



***Fabrication  
Machining***



**Precision machining**





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MILACRON**  
India  
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**SIEMENS**

## Contact Us



### Address :

133-A, Tribhuvan Estate, Road No. 8 ,G.I.D.C,  
Kathwada, Ahmedabad - 382 430 (Guj.) India.



**Office** : +91 98250 74404

: +91 79 29708193

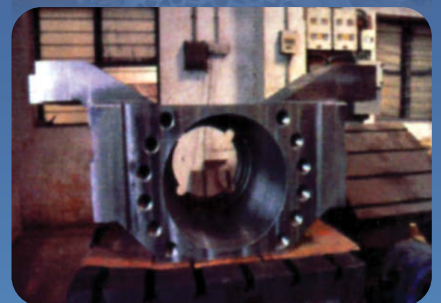
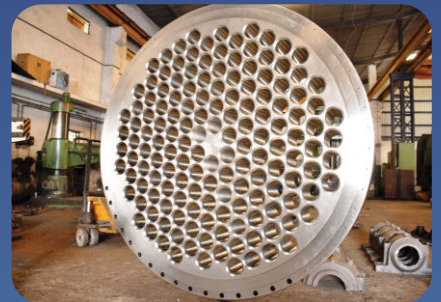
**Mobile** : +91 99256 22660



**Email** : [tejas@surajmicro.com](mailto:tejas@surajmicro.com)



# Thank You



[www.surajmicro.com](http://www.surajmicro.com)