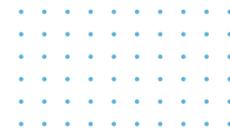




MICRO ENGINEERS

CREATION OF IMAGINATION

Delivering engineering precision and innovation since 1986, we provide reliable, cutting-edge solutions tailored to our clients' evolving needs. Our commitment to quality keeps us at the industry's forefront.





MICRO ENGINEERS
SINCE 1986



INTRODUCTION

PRECISION AND INNOVATION IN ENGINEERING SOLUTIONS

Welcome to **Micro Engineers**, where innovation meets precision. Since our establishment in 1986, we have been at the forefront of engineering excellence in Surat, specializing in high-quality steel products and engineering solutions for both industrial and residential projects. Our unwavering commitment to quality and customer satisfaction distinguishes us as a leader in the industry.



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CORE PURPOSE

To engineer excellence through precision, innovation, and reliability in every machinery spare part we manufacture, trade, or supply. We strive to be a trusted partner, delivering high-quality solutions that empower industries and businesses to thrive in a dynamic market.

CORE VALUES

Quality and Precision: We are committed to upholding the highest standards of quality, precision engineering, and reliability in all our products and services.

Innovation and Adaptability: We foster a culture of innovation, continuously exploring new technologies and methodologies to meet evolving industry needs.

Customer-Centric Approach: Customer satisfaction is our priority. We prioritize understanding our clients' needs, delivering tailored solutions, and providing exceptional service and support.

Integrity and Accountability: We conduct business with honesty, transparency, and accountability, ensuring ethical practices in all our interactions.

Continuous Improvement: We are dedicated to continual improvement, seeking opportunities to enhance our processes, products, and services for the benefit of our clients and stakeholders.



OUR SERVICE

At Micro Engineers, we take pride in offering a comprehensive range of services designed to meet the diverse needs of our clients across various industries. Our commitment to quality, innovation, and customer satisfaction drives us to deliver exceptional service in every project we undertake.



CUSTOM MANUFACTURING

We specialize in the custom manufacturing of high-precision machinery spare parts. Leveraging advanced processing technology and rigorous quality control, we ensure that our products meet the exact specifications and standards required by our clients. Our manufacturing capabilities cater to various sectors, including diamonds, textiles, pharmaceuticals, aerospace, defense, and dairy.



CNC MACHINING

Our CNC machining services are designed to deliver precise and intricate parts with reduced cycle times. With a team of experts in CNC operations, we handle complex machining tasks efficiently, ensuring high accuracy and quality in every product.



FABRICATION SERVICES

Our fabrication services are tailored to meet the needs of clients requiring heavy-duty and intricate fabrication work. With extensive experience and expertise in steel fabrication, we provide solutions that meet stringent industry standards and timelines.



OUR SERVICE



RESEARCH AND DEVELOPMENT

Innovation is at the core of our operations. Our dedicated R&D team continuously explores new technologies and methodologies to enhance our manufacturing processes and product quality. We focus on developing eco-friendly products and solutions that contribute to sustainable industrial practices.



QUALITY ASSURANCE

Quality is paramount at Micro Engineers. We implement rigorous quality control measures at every stage of production, ensuring that every product that leaves our facility meets the highest standards of excellence. Our quality assurance team is committed to delivering products that exceed our clients' expectations.



AFTER-SALES SUPPORT

Customer satisfaction extends beyond the delivery of products. We offer comprehensive after-sales support, including maintenance services, technical assistance, and prompt resolution of any issues that may arise. Our goal is to ensure that our clients can rely on our products for optimal performance and longevity.



CONSULTATION SERVICES

Our team of experienced professionals provides expert consultation services to help clients optimize their manufacturing processes, select the right materials, and implement best practices in their operations. We collaborate closely with our clients to understand their unique needs and offer tailored solutions that drive efficiency and growth.



OUR DEPARTMENTS

1. Material Department

We maintain a comprehensive inventory of materials, including aluminum alloys, EN series materials, stainless steel, Delrin, brass & etc. Our efficient process ensures timely cutting and transferring of materials to the machine department as needed.

2. Research & Development and Drawing

Our R&D department is dedicated to exploring new possibilities through simulation and testing. We collaborate closely with clients to design components in both 3D and 2D, ensuring precision and minimizing errors. This proactive approach leads to the production of precisely made products that align perfectly with client requirements.

3. CNC Department

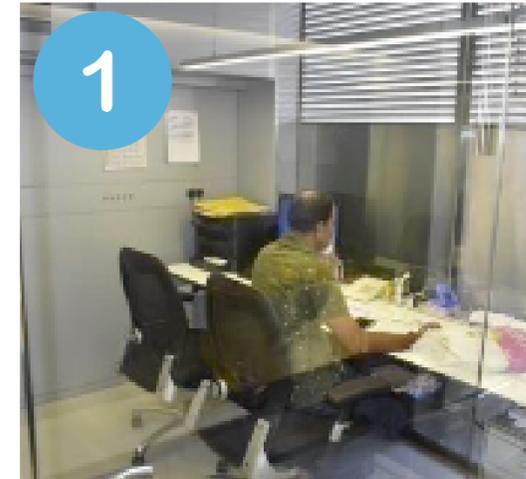
Equipped with advanced CNC machines, we manufacture components with precise tolerances, optimizing tooling costs and reducing cycle times. Our skilled and experienced team ensures machines are maintained, with a focus on cleanliness, temperature control, and precision checking instruments.

4. Conventional Department

This department handles operations such as pip removal, deburring, light turning, drilling, reaming, milling, and cleaning to prepare parts for assembly. Each operation is carried out meticulously to maintain the highest standards of quality.

5. Assembly & Quality Control

In our dustproof and clean assembly area, all components undergo thorough checks and are assembled using standard equipment and accessories. Our commitment to quality ensures that every product meets international standards and client expectations.





MICRO ENGINEERS
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INDUSTRIES WE SERVE...

Our precision engineering solutions cater to a wide range of industries, ensuring high-quality, reliable, and innovative machinery tailored to meet diverse needs.

Our expertise and commitment to excellence ensure that we deliver cutting-edge solutions across these sectors, driving innovation and efficiency.

DIAMOND MACHINERY INDUSTRY

AUTOMOTIVE

AEROSPACE & DEFENSE

MEDICAL DEVICE MANUFACTURING

METAL FABRICATION

HEAVY EQUIPMENT MANUFACTURING

CONSTRUCTION & INFRASTRUCTURE

MINING EQUIPMENT

TEXTILE MACHINERY

SHIPBUILDING & MARINE ENGINEERING

RENEWABLE ENERGY

ELECTRONICS & SEMICONDUCTORS

INDUSTRIAL MACHINERY

TOOL AND DIE MAKING

RAILWAY & TRANSPORTATION

MOLDING INDUSTRY



OUR MACHINES AND TECHNOLOGY

Micro Engineers prides itself on utilizing cutting-edge machinery and technology to deliver exceptional engineering solutions. Our equipment includes

CONVENTIONAL MACHINE

SR NO	MACHINE TYPE	NOS
1	LATHE MACHINE	4
2	DRILLING MACHINE	6
3	VERTICAL MILLING MACHINE (ARGO & MANFORD)	2

CNC MACHINE LIST

SR NO	MACHINE TYPE	MODEL NUMBER	TOTAL AXIS
1	TURNING CENTRE	DX-200	2
2		DX-150	2
3		DX-200-3	2
4		DX-200-3A	2
5		DX-200-4A	2
6	VMC	VMC-1050	3 +1
7		PX-10	3 +1
8		VMC-640DM	3
9		VMC-850NVU	3 +2
10		DHRUVA-4050	3 +2
11		DHRUVA-4050	3 +2

MEASURING INSTRUMENTS

SR NO	NAME	TYPE	RANGE (MM)	ACCURACY	COMPANY MAKE	NOS
1	AIR GAUGE	DIGITAL	06 - 200 (ID & OD)*	0.5µm	BAKER	1
2	BORE GAUGE		06 - 10	1µm	OCEAN PREMIUM	1
3			10 - 18	1µm		1
4			18 - 35	1µm	1	
5			0 - 25	1µm	4	
6	MICROMETER	MANUAL	0 - 25	10µm	MITUTOYO	2
7		DIGITAL + MANUAL	25 - 50	10µm		2 + 2
8			50 - 75	10µm		1 + 2
9			75 - 100	10µm		1 + 1
10	VERNIER CALIPER	DIGITAL	0 - 150	20µm		9
11		MANUAL	0 - 150	20µm		2
12			0 - 300	20µm		1
13			0 - 600	20µm		1
14	HEIGHT GAUGE	DIGITAL (DOUBLE COLUMN)	0-300	20µm		1
15		MANUAL	0-300	20µm		1
16	SURFACE PLATE	GRANITE	1000 X 1000 X 150	7µm	MICRO FLATE	1
17			900 X 600 X 100	7µm		1

***NOTE:-** (1. IN REFERENCE TO **AIR GAUGE**) – DUE TO THE LIMITATION OF PLUG & RING GAUGE AT OUR END, WE REQUEST YOU TO INFORM US ABOUT THE MEASUREMENTS IN ADVANCE, SO THAT WE CAN MAKE NECESSARY ARRANGEMENTS.

TURNING CENTER



DX - 200

Axis: 2

1. Turning Diameter: 350mm
2. Travel: 200mm (X) x 500mm (Z)
3. Spindle Speed: 50-4000 RPM
4. Spindle Bore: 50.8mm
5. Positioning Uncertainty: 0.015mm
6. Repeatability: 0.010mm



DX - 150

Axis: 2

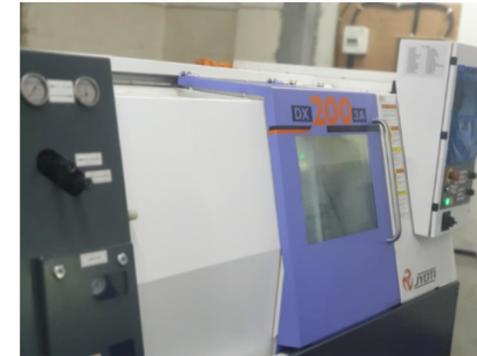
1. Turning Diameter: 150mm
2. Travel: 150mm (X) x 350mm (Z)
3. Spindle Speed: 50-4500 RPM
4. Spindle Bore: 38mm
5. Positioning Uncertainty: 0.020mm
6. Repeatability: 0.010mm



DX - 200 3

Axis: 2

1. Turning Diameter: 42mm (Collet Chuck)
2. Travel: 150mm (X) x 300mm (Z)
3. Spindle Speed: 50-4500 RPM
4. Spindle Bore: 38mm
5. Positioning Uncertainty: 0.015mm
6. Repeatability: 0.010mm



DX - 200 - 3A

Axis: 2

1. Turning Diameter: 42mm (Collet Chuck)
2. Travel: 150mm (X) x 300mm (Z)
3. Spindle Speed: 50-4500 RPM
4. Spindle Bore: 38mm
5. Positioning Uncertainty: 0.015mm
6. Repeatability: 0.010mm



DX - 200 - 4A

Axis: 2

1. Turning Diameter: 42mm (Collet Chuck)
2. Travel: 150mm (X) x 400mm (Z)
3. Spindle Speed: 50-4500 RPM
4. Spindle Bore: 38mm
5. Positioning Uncertainty: 0.015mm
6. Repeatability: 0.010mm





VMC MACHINE



VMC - 1050

Axis: 3 + 1 (Rotary)

1. Table Size: 1000mm x 500mm
2. Job Size: 1000mm (X) x 500mm (Y) x 500mm (Z)
3. Spindle Speed: 50-8000 RPM
4. Positioning Uncertainty: 0.015mm
5. Repeatability: 0.010mm



VMC-640DM (Die-Mould)

Axis: 3

1. Table Size: 800mm x 500mm
2. Job Size: 600mm (X) x 400mm (Y) x 450mm (Z)
3. Spindle Speed: 100-18000 RPM
4. Spindle Make: German make Kessler Electro Spindle
5. Positioning Uncertainty: 0.010mm
6. Repeatability: 0.007mm



VMC PX10

Axis: 3 + 1 (Rotary)

1. Table Size: 660mm x 360mm
2. Job Size: 510mm (X) x 410mm (Y) x 510mm (Z)
3. Spindle Speed: 0-8000 RPM
4. Positioning Uncertainty: 0.015mm
5. Repeatability: 0.010mm



VMC-850 NVU

Axis: 3 + 2 (Rotary + Tilting)

1. Table Size: 1000mm x 500mm
2. Job Size: 800mm (X) x 500mm (Y) x 500mm (Z)
3. Spindle Speed: 100-12000 RPM
4. Spindle Make: Electro Spindle
5. Positioning Uncertainty: 0.010mm
6. Repeatability: 0.007mm



DHRUVA-4050

Axis: 3 + 2 (Rotary + Tilting)

1. Table Size: 700mm x 400mm
2. Job Size: 600mm (X) x 400mm (Y) x 450mm (Z)
3. Spindle Speed: 100-10000 RPM
4. Spindle Make: Direct coupled spindle
5. Positioning Uncertainty: 0.015mm
6. Repeatability: 0.010mm



FABRICATION FACILITIES

Since 1986, our company has been a leading fabrication firm in Surat, known for our high-quality steel products and diverse project capabilities. Supported by our Engineering Department, we have given 'Micro Fabrication' its own identity. We specialize in both Industrial and Residential projects, including:



Our commitment to excellence and innovation drives us to continuously upgrade our facilities and expand our capabilities. We utilize state-of-the-art machinery and technology to ensure precision, efficiency, and superior quality in every project.

We are dedicated to meeting the specific needs of our clients by providing customized fabrication solutions. Our team of skilled professionals is equipped to handle complex projects, ensuring timely delivery and exceptional craftsmanship. Whether it's a large-scale industrial project or a bespoke residential design, we bring precision, innovation, and quality to every task.

FABRICATION MACHINE CAPABILITIES

SR NO	EQUIPMENT	SPECIFICATIONS
1	CNC LASER CUTTING MACHINE	
2	Mild Steel	Up to 20mm
3	Stainless Steel	Up to 12mm
4	Aluminium	Up to 10mm
5	Copper / Brass	Up to 3mm
6	CNC METAL SPINNING MACHINE	
7	Mild Steel	Up to 3mm
8	Stainless Steel	Up to 2mm
9	Aluminium	Up to 5mm
10	Copper	Up to 3mm
11	CNC PRESS BRAKE (100 TON)	2 units (AMADA & SAHJANAND)
12	SHEARING MACHINE	1 unit
13	CYLINDRICAL AND SURFACE GRINDERS	
14	DEEP DRAWING PRESSES	1 unit each (100 ton & 70 ton) 3 units total
15	MIG & ARC WELDING MACHINE	



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WHY CHOOSE US?

Precision Engineering Expertise: With over three decades of experience since our establishment in 1986, we have honed our skills in delivering high-quality steel products and engineering solutions. Our precision engineering ensures that every component we produce meets the highest standards of accuracy and reliability.

Innovative Solutions: We continuously invest in research and development to stay at the forefront of technological advancements. Our commitment to innovation allows us to provide cutting-edge solutions that meet the evolving needs of various industries, ensuring your projects benefit from the latest advancements.

Comprehensive Services: From custom fabrication for industrial and residential projects to advanced CNC machining, we offer a wide range of services tailored to meet your specific needs. Our expertise spans multiple industries, including automotive, aerospace, medical device manufacturing, and more.

Quality Assurance: Our rigorous testing and inspection processes guarantee that every product we deliver meets international quality standards. We maintain a dustproof and clean assembly area to ensure the highest quality in our final products, providing you with reliable and durable solutions.

Customer-Centric Approach: At Micro Engineers, customer satisfaction is our priority. We take the time to understand your unique requirements and provide tailored solutions that exceed your expectations. Our dedicated support team ensures that you receive exceptional service and assistance throughout your project.



OUR ESTEEMED CLIENTS

We proudly deliver engineering services to a diverse range of prestigious companies across various industries worldwide. Our commitment to excellence and versatility allows us to meet the unique needs of each client. Below are some of our esteemed clients and the industries they represent.



We are capable of executing large-scale engineering projects for overseas markets, supporting our clients as they expand their reach into Europe, the USA, the Middle East, Africa, and Eastern countries. Our engineering works empower our clients to deliver their products and services worldwide, ensuring high standards of quality and innovation.



MEET OUR TEAM

Our team is the foundation of our success, composed of highly skilled professionals who bring their expertise and passion to every project. Our core team sets us apart, many of whom have been with us since the company's inception. Their long-standing dedication and deep understanding of our mission are our greatest strengths. This continuity not only ensures a consistent level of excellence but also fosters a strong, collaborative environment where innovation thrives. Together, we're committed to delivering outstanding results for our clients globally.



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CONTACT US

Ready to experience engineering excellence?

Reach us and discover how Micro Engineers can transform your ideas into reality.



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CREATION OF IMAGINATION

THANK YOU

