



**UNIQUE
ENGINEERING**

Manufacturers Of Precision Machined Components And
Assemblies For Various Industries And Defense Establishments.
H. No. 775, S. No. 123 Katraj (Santoshnagar), Pune 411046, India.
Email: uniquengineering@gmail.com
Website: www.uniquengineering.com

Tel / Fax: +9120 24318756
+9120 24318971
+919850827494



DIN EN ISO 9001:2000
ISO/TS 16949:2002

Certificate: 01 111 058595

Company Profile

Unique Engineering is a small-scale Industry manufacturing Precision Machined / Ground Components, Assemblies & Sub-assemblies for various Industries and Defence Establishments.

Unique Engineering is located at Katraj, a suburb in Southern Pune – on Pune-Satara road. Pune is one of the best industrial belts in India. Pune is connected to all the major cities in India and has well developed infrastructure facilities.

The company was established in 1982 by Mr. *Vijay Vasant Waykole*. He is a graduate in Mechanical Engineering (BE Mech.). He has a working experience of about five years in Small Scale Industries and has also worked for about two years in MICO Nashik. He is the sole proprietor since then. Mr. *Anant Vijay Waykole*, also a graduate in Mechanical Engineering is working with the company since 2000.

“The company believes in Producing Quality rather than inspecting it.”

For achievement of the above the company has its own Quality System amended as per *ISO/TS 16949:2002*. The company focuses mainly on implementation and monitoring of Quality System to the root-level, involving and training all employees, concentrating more on preventive actions and making continued efforts for continuous improvements.

The company aims towards customer satisfaction. It is achieved by supplying components / jobs, sub-assemblies, assemblies conforming to the Specified / Agreed specifications adhering strictly to the delivery schedule.

The company specializes into manufacturing of precision-machined components on Precision Single Spindle Automats with and without turret and on Multi (Six) Spindle Automat. The emphasis is on our own design & manufacture of Tooling like Cams, Holders, Tools, Setup Gauges, Inspection Gauges and Special Purpose Machines for our own in-house requirement. Full-fledged facilities for the above are available in the company premises.



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Our existing customers are Motor Industries Company Ltd. (MICO) Nashik, a BOSCH Group Company, Pravi Auto Swing Pvt. Ltd., Amphetronix Ltd., Ammunition Factory Khadki, Pune, Ordnance Factory Dehu Road, Armament Research & Development Establishment & various other Defense Establishments. Bajaj Auto Ltd. Pune, Bajaj Auto Ltd. Aurangabad, Skefko Mumbai, Ordnance Factory Varangaon, Sussein Asia Ltd. are also our customers.

The Photographs of components so for manufactured & supplied are enclosed herewith with brief details.

We have expansion plan for setting up new factory building.



LIST OF MANUFACTURING/TOOLROOM & INSPECTION FACILITIES.

(A) MANUFACTURING FACILITIES :

CNC FACILITIES :

<u>NO.</u>	<u>DESCRIPTION</u>	<u>CAPACITY</u>	<u>QTY.</u>
1)	TURN MILL CENTRE. MAKE DMG	200 MM DIA 450 L	1
2)	TURNING CENTRE. MAKE TAKISAWA	200 MM DIA 450 L	1
3)	TURNING CENTRE. MAKE MIYANO	150 MM DIA 250 L	1
4)	TURNING CENTRE. MAKE MIYANO	150 MM DIA 250 L	1

<u>NO.</u>	<u>DESCRIPTION</u>	<u>CAPACITY</u>	<u>QTY.</u>
1)	MULTI SPINDLE AUTO - AS 32.	32 MM DIA.	3
2)	TBT-60 TURRET AUTOMATS.	60 MM DIA.	6
3)	SKODA TURRET AUTOMATS.	42 MM DIA.	1
4)	AL-65 AUTOMATS.	70 MM DIA.	2
5)	A-25 AUTOMATS.	26 MM DIA.	1
6)	A-25 TURRET AUTOMATS.	26 MM DIA.	1
7)	CENTRELESS GRINDER	3 - 80MM DIA	1
8)	SPM REAMING MACHINE	_____	2
9)	CYLINDRICAL GRINDER	250 MM DIA*500 L	1
10)	CAPSTAN LATHES	32 MM DIA.	2
11)	DRILLING MACHINE	26 MM DIA.	4
12)	HACKSAW MACHINE	180 DIA	1
13)	BENCH GRINDER	_____	2
14)	IN-BUILT AUTO HEX MILLING M/CS (PLC CONTROLLED)	_____	4

(B) SHEET METAL WORKING MACHINERY :

<u>NO.</u>	<u>DESCRIPTION</u>	<u>CAPACITY</u>	<u>QTY.</u>
1)	PRECISION SHEARING MACHINE	_____	1
2)	EDGE FOLDING MACHINE	_____	2
3)	SHEET ROLLING MACHINE	_____	3
4)	STRAIGHT EDGE SEAMING MACHINE	_____	1
5)	ROUND EDGE SEAMING MACHINE	_____	1
6)	SWAGING MACHINE	_____	1



7)	MANUAL PRESS		1
(C) TOOLROOM FACILITIES :			
<u>NO.</u>	<u>DESCRIPTION</u>	<u>CAPACITY</u>	<u>QTY.</u>
1)	TOOL-CUTTER GRINDERS		3
2)	KRISTEN DRILL POINT GRINDER		1
3)	CENTRE LATHE	150 MM DIA 600 L	1
4)	CENTRE LATHE	250 MM DIA 1250 L	1
5)	MILLING MACHINE		1
6)	CYLINDRICAL & SURFACE GRINDING ON T&C GRINDING		1

(D) INSPECTION FACILITIES :

- 1) MICROMETERS : 0-25, 25-50, 50-75, 0-150.
- 2) VERNIER CALLIPERS : 0-150, 0-200, 0-300, 0-600.
- 3) MICRON MICROMETERS : 0-25, 25-50.
- 4) THREAD PITCH MICROMETERS : 0-25.
- 5) DIAL GAUGE: LC-0.01, LC-0.001.
- 6) LEVER DIAL GAUGES : LC-0.01, LC-0.002.
- 7) VERNIER HEIGHT GAUGE : 0-300.
- 8) DIAL BORE GAUGE : 18-30.
- 9) DIGITAL VERNIER CALLIPERS : 0-150.
- 10) DIGITAL MICROMETERS : 0-25, 25-50.
- 11) PROFILE PROJECTOR : 10X, 20X, 50X.
- 12) TOOL MAKERS MICROSCOPE.

NOTE :

ALL ABOVE INSTRUMENTS ARE OF "MITUTOYO" MAKE. APART FROM ABOVE MENTIONED INSTRUMENTS, WE HAVE OTHER FACILITIES AS : MAGNETIC STANDS, SURFACE PLATE, 'V' BLOCKS, STANDARD PLUG & SNAP GAUGEA, THREAD GAUGES AS PER THE COMPONENT REQUIREMENT

(C) TOOLROOM FACILITIES :

- 1) MICROMETERS : 0-25, 25-50, 50-75, 0-150.
- 2) VERNIER CALLIPERS : 0-150, 0-200, 0-300, 0-600.
- 3) MICRON MICROMETERS : 0-25, 25-50.



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- 4) THREAD PITCH MICROMETERS : 0-25.
 - 5) DIAL GAUGE : LC-0.01, LC-0.001.
 - 6) LEVER DIAL GAUGES: LC-0.01, LC-0.002.
 - 7) VERNIER HEIGHT GAUGE : 0-300.
 - 8) DIAL BORE GAUGE : 18-30.
 - 9) DIGITAL VERNIER CALLIPERS : 0-150.
 - 10) DIGITAL MICROMETERS : 0-25, 25-50.
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PHOTOGRAPH NO 1. ILLUSTRATION OF VARIOUS COMPONENTS.



PHOTOGRAPH NO 2. ILLUSTRATION OF VARIOUS INSTRUMENTS.





PHOTOGRAPH NO 1. DESCRIPTION OF COMPONENTS

- **ROW 1 PICTURE 1 & 2**
- Coupling Ring: This component is used in electrical connectors. This component is manufactured from Aluminum Alloy Bars.

- **ROW 1 PICTURE 3 & 4**
- Nozzle Retaining Nut: This component is used in Fuel Injection System of diesel engines for fastening the nozzle with the nozzle holder. This is a critical component manufactured from Carbon Steel Bars.

- **ROW 1 PICTURE 5 & 6**
- Retaining Screw: This component is used in Fuel Injection System of diesel engines for fastening the nozzle holder assembly with the engine. This is a critical component manufactured from Carbon Steel Bars.

- **ROW 1 PICTURE 7 & 8**
- Cartridge Case: This component in Defense Services. This component is manufactured from Aluminum Alloy Bars.

- **ROW 2 PICTURE 1**
- Bearing Cone: This component is used as Bearing for Steering Column for two wheelers. It is manufactured from Case hardening Steel Bars.

- **ROW 2 PICTURE 2**
- Bearing Race: This component is used as Bearing for Steering Column for two wheelers. It is manufactured from Case hardening Steel Bars.

- **ROW 2 PICTURE 3 & 4**
- Bearing Race: This component is used as Bearing for Steering Column for two wheelers. One of them is hardened and ground and the other is soft. It is manufactured from Case hardening Steel Bars.

- **ROW 2 PICTURE 5 & 6**
- Piston: This component is required for gas springs, which are used for executive chairs, hospital beds chairs of luxury coaches, etc. This component is manufactured from Aluminum Alloy Bars.



- **ROW 3 PICTURE 1**
- Bearing Cone: This component is used as Bearing for Steering Column for two wheelers. The Ball Track is burnished. It is manufactured from Case hardening Steel Bars

- **ROW 3 PICTURE 2**
- Bearing Race: This component is used as Bearing for Steering Column for two wheelers. It is hardened and ground and is manufactured from Case hardening Steel Bars.

- **ROW 3 PICTURE 3**
- Receptacle Shell: This component is used in electrical connectors. This component is manufactured from Stainless Steel Bars.

- **ROW 3 PICTURE 4 & 5**
- Valve Body: This component is required for gas springs, which are used for executive chairs, hospital beds chairs of luxury coaches, etc. This component is manufactured from Aluminum Alloy Bars.

- **ROW 4 PICTURE 1 & 2**
- Bearing Race: This component is used as Bearing for Steering Column for two wheelers. It is hardened and the ball track is burnished. It is manufactured from Case hardening Steel Bars.

- **ROW 4 PICTURE 3 & 4**
- Valve Pin: This component is required for gas springs, which are used for executive chairs, hospital beds, and chairs of luxury coaches, etc. This pin operates inside the piston at ROW 2 PICTURE 5 & 6. This component is manufactured from Carbon Steel Bars.

- **ROW 4 PICTURE 5 & 6**
- Bearing Race: This component is used as Bearing for Steering Column for two wheelers. It is hardened with ball track burnished and blackodised. It is manufactured from Case hardening Steel Bars.

PHOTOGRAPH NO 2. ILLUSTRATES VARIOUS MEASURING EQUIPMENTS AVAILABLE WITH US.



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CERTIFICATE

The TÜV CERT Certification Body
of TÜV Rheinland Industrie Service GmbH

certifies in accordance with
TÜV CERT procedures that

Unique Engineering
H No. 775, S. No.123, Katraj, Pune-411 046, India

has established and applies a quality management system for

**Manufacture of Precision Machined Components for Automotive Applications
- without product design and development -**

Proof has been furnished through an audit, Report No. **058595**
that the requirements according to

ISO/TS 16949:2002

have been fulfilled.

The certificate is valid from **2006-10-31** until **2009-10-30**.

Certificate Registration No. **01 111 058595**

IATF Certificate No. **0038080**

Hong Kong, 2006-10-31

TÜV CERT Certification Body of
TÜV Rheinland Industrie Service
GmbH
D-51105 Köln

www.tuv.com



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MOTOR INDUSTRIES CO. LTD.

CERTIFICATE

Excellence in Performance

For Quality, Cost and Logistics
2001 - 2002

Unique Engineering

has been acknowledged

Best in Class

V. K. Viswanathan
Joint Managing Director

M. Lakshminarayan
Joint Managing Director



MICO

Bosch Group

Leadership through Innovation and Technology



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