



UDAY  
ENGINEERING  
WORKS

# Uday Engineering Works

**Most Trusted Machine Parts Manufacturing Company**





UDAY  
ENGINEERING  
WORKS

# About Us

# 1

Uday Engineering Works  
Founded in 1991 in the  
industrial city Ahmedabad of  
Gujarat state(INDIA)  
located in G.I.D.C. estate,  
Naroda having built up area  
1000 sq. yards.

# 2

Company is specialized in  
manufacturing of precision  
tools and machine parts in  
Ferrous, Non-ferrous, Alloys  
Steels, S.S & C.I and  
undertake Job works as per  
given drawings for its clients  
worldwide.

# 3

Uday Engineering Work's also  
do flexible manufacturing  
base serves in Diverse sectors  
such as Air Compressors,  
Gas Compressors, all type of  
Chemical pumps, Turbines,  
shot blasting machines and  
etc.



UDAY  
ENGINEERING  
WORKS

# Our Lighthouse



## Vision Statement

To be a global leader and solution partner for manufacturing of all types of machinery components with pure accuracy, precision and quality.



## Mission Statement

To become a 100 crore company by 2025 by ensuring quality, service and innovative product.



## Values

- We will ensure client orientation best possible manner.
- We will not deviate from quality.
- We are determined to provide timely delivery.
- We will respect our employee, customers and vendors in any tough situation arise in business.
- We are innovator and will consistently invest in technology.
- We will become environment friendly company by the way of using eco-friendly material.
- We will ensure safety norms in favors of our employee needs.





UDAY  
ENGINEERING  
WORKS

# Our Services

Over & above the machining process we are controlling the other processes which are related to machining process like Heat treatment process, Hydro testing, Forging process, Surface treatment process, Centrifugal casting, Sand casting, NDT process etc. as per client requirement.

We are currently manufacturing the parts as per client requirements with the material including :

- Different grades of S.S (S.S 316, S.S 316L, S.S 304, S.S 304L, S.S 410, S.S 430, S.S 431)
- Non ferrous materials (Lead, Bronze, Copper, Aluminium)
- Cast Iron, M.S, 17-4PH, 50 CR V4, CK-60, CK-45 & many more

**We believe in Experience, Excellence, Equity  
Resulting in Your Growth Always...**



UDAY  
ENGINEERING  
WORKS

# Machine Overview



**Nos. 2**

**VMC Machine**

762X408X508 & 1270X508X635  
Respectively.



**Nos. 6**

**CNC Machine**

MAX Turning Diameter of 650 mm  
MAX Turning Length of 700 mm



**Nos. 3**

**Conventional  
Lathe Machine**

Max Center Height of 12 inch  
Max Bed Length of 7 Feet



**Nos. 1**

**Radial  
Drilling Machine**

Max Drilling Capacity of 50 mm  
Max Drilling Depth of 525 mm



**Nos. 1**

**Automatic Band  
Saw Machine**

Max cutting diameter of 300 mm



**Nos. 1**

**Bench Grinder**



**Nos. 1**

**Hydraulic  
Press**

Capacity 1000 ton.



**Nos. 1**

**Dot Pin Marking  
Machine**



**Nos. 1**

**Drill Bit Grinder**



**Nos. 3**

**Drilling Machine**

## Material Handeling Equipments

- Two cranes having lifting capacity of 1.5 ton & 10 ton respectively.
- Two fork lifts having loading capacity of 2.5 ton.





UDAY  
ENGINEERING  
WORKS

# List of Instruments



**Outside Micrometer**

Range : 0-600 MM



**Inside Micrometer**

Range : 50-1000 MM



**Vernier Caliper**

Range : 0-1000 MM



**Bore Gauge**

Range : 0-400 MM



**Dial Vernier**

Range : 0-300 MM



**Depth Micrometer**

Range : 0-152.4 MM



**Height Gauge**

Range : 0-350 MM



**Thread Plug Gauge**



**Thread Ring Gauge**



**Plain Plug Gauge**



**Snap Gauge**

## SPECIAL Instruments



**Digital Surface  
Hardness Tester**



**Surface  
Roughness Tester**



**Rockwell Surface  
Hardness Tester**



UDAY  
ENGINEERING  
WORKS

# Parts Overview



Pack. Case Assly



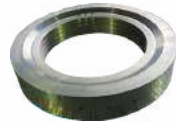
Plunger Plate



Pump Shaft



Oil Pump Head



Oli Ret. ring



Pack. Case Assly



Labyrinth



Lever



Oil Head Assly





UDAY  
ENGINEERING  
WORKS



**Shaft**



**Shaft Sleeve**



**Cover**



**Cross Head Pin**



**Gland**



**Turbine & Gas  
Compressor Parts**



**Labyrinth**



**Plunger Plate**



**Bail Lifting**



**Eccentric Ring**



**Gland Machining**





UDAY  
ENGINEERING  
WORKS

# Special Capabilities

**We have achieved hardness of 55 HRC upto required length on shaft made up of low carbon stainless steel(has no carbon) by modifying heat treatment process.**



**We have achieved the Ra value less than 8 micro inch on the case hardened surface having hardness of 55-60 HRC made from alloy steel AISI 4140 with confirmed MPI test.**



**We have also developed customised non ferrous material melting furnace for precise & delicate parts as required by client.**

**We are controlling & measuring the surface roughness of parts right from rough machining process to end product as per client requirement.**

**For identification & Control on whole process we use color coding method for raw material recognition & ERP software called TFAT for organized control system.**



UDAY  
ENGINEERING  
WORKS

# Thank You



Upendra Patel



+91 89802 52252



udayengineering4@yahoo.co.in

**QUALITY, DELIVERY & COMMITMENT** are three Pillers which sets us **APART !!**