



# **ASCENT TECHNOCRATS**

Manufacturer of Precision Machined Components

#### Contact Us -

Address: W – 205, MIDC, Ambad, Nashik–422010, Maharashtra, India

Phone: +91 9373673870

E-mail: akash.divate@ascenttechnocrats.com E-mail: ascenttechnocratsnsk@gmail.com Website: www.ascenttechnocrats.com



#### **WELCOME TO ASCENT TECHNOCRATS:-**

ASCENT TECHNOCRATS – 25 years old manufacturing company (4000 sq. ft. area) which is located in Nashik MIDC area, India. This company is ISO 9001 and IATF16949 certified by UKAS, UK and following world class quality systems which is required for manufacturing of Precision Machined Components.

#### WHO WE ARE:-

- ❖ Industry leaders in CNC machining, 3<sup>rd</sup> & 4<sup>th</sup> axis VMC machining
- Specialists in high-precision components and complex assemblies
- Trusted partners to a diverse range of industries, including aerospace, automotive, medical, and more

#### **KEY HIGHLIGHTS:-**

- State-of-the-art facilities equipped with advanced technology
- Highly skilled team dedicated to excellence and continuous improvement
- Comprehensive quality assurance processes to meet the highest standards
- ❖ Global reach with the capacity to handle projects of any size





#### **Manufacturing Services**

#### ✓ Flexible Approach:-

Our flexible manufacturing approach allows us to handle batch quantities as small as 50 units, with the capability to set up high-volume production lines based on customer requests and business potential.

### ✓ Sub-Assembly Contract Manufacturing : -

Complete sub assembly consisting of many child parts can be supplied in assembled condition with performance qualification and on-time delivery.

#### ✓ Global Reach and Capacity : -

With a well-established network of production facilities and logistics partners, we ensure seamless and efficient delivery of high-quality products worldwide.

### ✓ 4<sup>th</sup> Axis Machining : -

Elevate your projects with our 4-axis machining: experience unparalleled intricacy and efficiency. Master complex designs with dynamic work piece rotation across four distinct axes, ensuring unmatched precision.



### Certifications



#### **CERTIFICATE**



This is to certify that

#### **Ascent Technocrats**

W-205, MIDC Ambad Nashik - 422010 Maharashtra INDIA

IATF USI YR394Z

has implemented and maintains a Quality Management System.

Scope:

Manufacture of Machined Components.

An audit, conducted and documented in a report, has verified that this quality management system fulfills the requirements of the following International Automotive Standard:

#### IATF 16949:2016

(without product design)

50260102 IATF16 Certificate registration no. Issuing date 2024-12-10 This certificate is valid until 2027-12-09

IATF No. 0558432



For and on behalf of DQS

Director-Corporate Automotive Program, DQS Holding GmbH

The validity of the certification can only be verified by the QR-code.

IATF Contract Office: DQS Holding GmbH, Konrad-Adenauer-Allee 8-10, 61118 Bad Vilbel, Germany

Managing Director, DQS Holding GmbH



# Certificate of Registration



This is to Certify That The Quality Management System of

#### **ASCENT TECHNOCRATS**

W-205, MIDC, AMBAD, NASHIK – 422010, MAHARASHTRA, INDIA.

has been assessed and found to conform to the requirements of

ISO 9001:2015

for the following scope:

MANUFACTURING & SUPPLY OF PRECISION TURNED COMPONENTS.

**25DQOI58** Certificate No

**Initial Registration Date** : 21/05/2025 Issuance Date 20/05/2028 Date of Expiry\* 1st Surve. Due : 21/04/2026

2nd Surve. Due : 21/04/2027

: 21/05/2025

DIRECTOR ROHS Certification Pvt. Ltd.





#### INDUSTRIAL APPLICATIONS

#### 1. Fitting Parts

Stainless Steel FLANGES, Brass COUPLERS, CONNECTORS, ADAPTORS required in Gas & Water distribution compression fittings.

#### 4. Electronic Industry

Proxy Sensor body & Body Nut.



#### 2. Engine Parts

Nipples, Mass Balancer Sleeves, Nozzles, Shoulder Bolts, Bleeder Screws, Spacers, Tubular Spacers, Distance pieces, Needles, Retainer Cap, Adjusting Screws, Leak off Screws.

#### 5. Conveyor Industry

Ball Joints, Studs, Nuts, Bushes Customized Products, King Pins.

#### 3. Automobile Parts

Ball Joints, Studs, Nuts, Bushes, Customized Products, King Pins.

# 6. Switchgear Industries (Circuit Breakers)

Bi-metallic lugs, Bi-metallic clamps, angled lugs and aluminum connectors, Screws, Spacers, Shafts, Bushings, Ball Joints, Knobs, Hinges, Studs, Puffer Cylinder, etc.





#### INDUSTRIAL APPLICATIONS

#### 7. Automatic Teller Machines

Customized Turned Spacers.

#### 10. Pneumatic/Hydraulic Industry

Adaptors, Seat Retainers, Screws, Nuts, Connectors, Valve Seat, Pistons, Hose Fittings.

#### 13. Electrical Industry

Pins, D- Shafts, Spacers, Bushings, Sleeves, Screws, Rollers, Earthling Plug, Eccentric Stud, Adaptors, Adaptor Nuts

#### 8. Pumps

Wall Seats, Connectors, adaptors, Pump Valve Insert/components.

#### **11.Threaded Parts**

Screw Machined Parts, Inserts

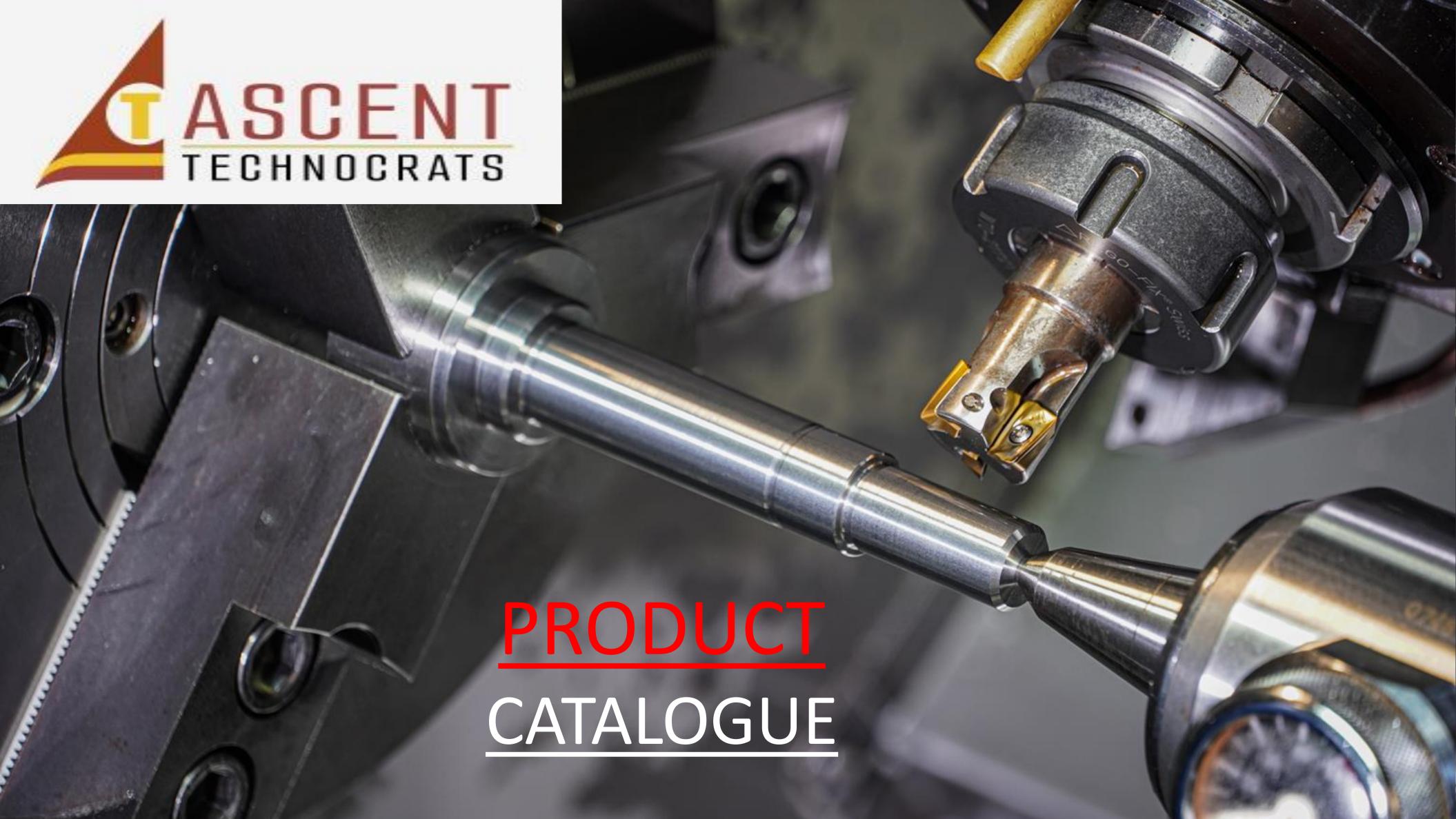
# 9. Construction Equipment's / Earthmoving vehicles

Ball Joints, Studs, Nuts, Bushes, Customized Products, King Pins.

#### 12. Shock Absorber Assy.

Pistons, Special Nuts, Studs, Flat Nuts, Spacers etc.





**Shaft -** It is a rotating component of a machine that transmits power from one part to another.

Shafts are used in many machines, including engines, pumps, and conveyors.



#### **Interlock Pin**

It is a device that prevents a transmission from shifting into two gears at once. It's typically inserted into the 3-4 shift rail.



**Guiding Bolt-** It guides the engine valve and its valve timings.

**Applications –** 3-wheeler engine.











Shaft Nozzle tip Guiding Bush







**Stainless Steel Connectors** 

**Guiding Bush** 

**T-Connectors** 







Flange Connector Assembly

Bush

# SS(Stainless Steel) Switchgear Components





# **Swivel Sets**

# Without Assembly

# With Assembly



SS316





Brass





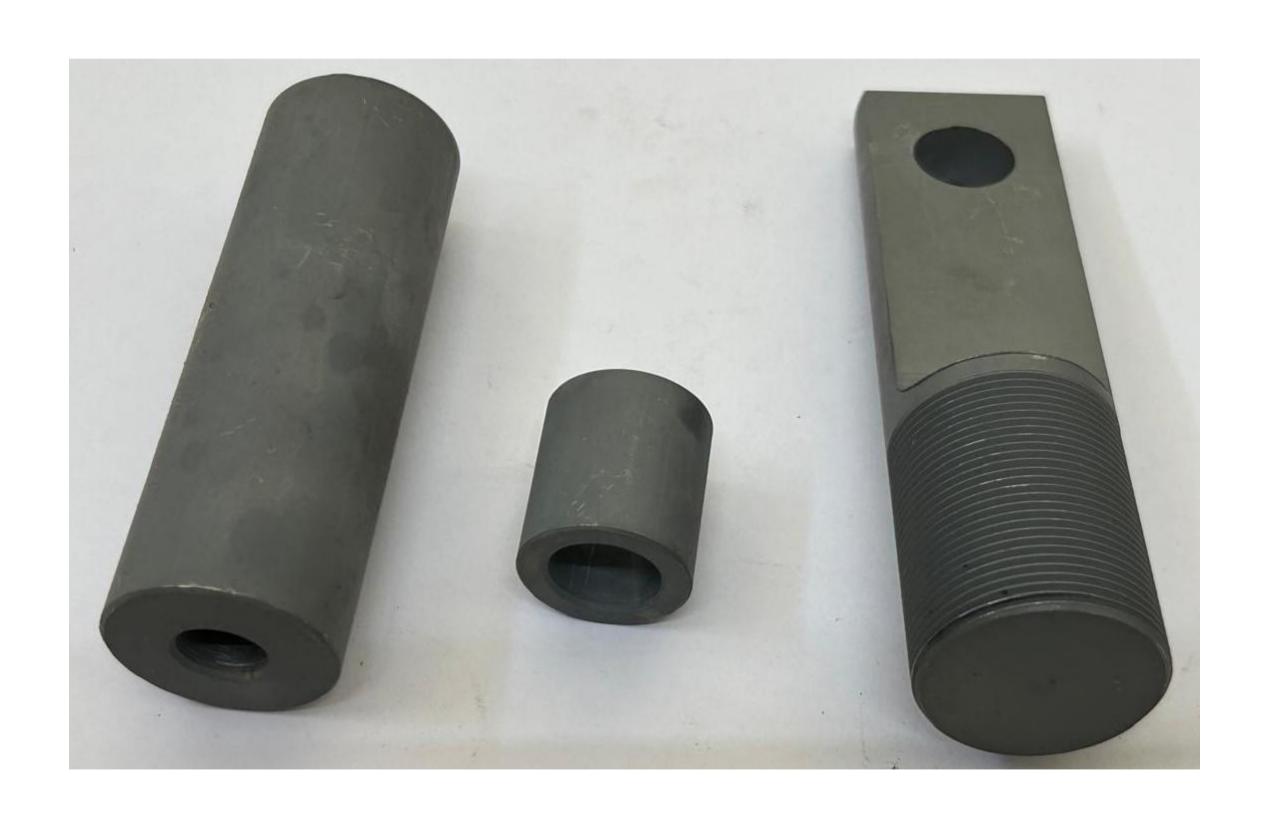
PVC



# SS(Stainless Steel) Milling component



# Plated(Zinc nickel) Switchgear components post-machining



**Bushing seal –** Used to reduce friction and support rotating shafts.

**Application** – Used in various machines, vehicles, and devices requiring rotation or sliding motion



### **Hex Head Stainless Steel bolt**



## **Hollow Shaft**





# **Hollow Spacer**



### **Hex Collar**





Adaptors

**MS Bush-**It is used to reduce friction and wear between moving parts.

Its used in a variety of applications, including automotive, construction, and engineering





# **Switchgear Components**







# **Copper Machined Components**







# Switchgear Machined Copper Components



# **Precision Machined Components**









**Precision Machined Components** 





**Precision Machined Components** 

#### **ACHIEVEMENTS**

We had been awarded by AIMA( Ambad Industries & Manufacturers Association) at AIMA Women Preneur Industrial Awards 2024 and also by leading newspaper Deshdoot at Most Successful Entrepreneur Awards 2024.





#### **ACHIEVEMENTS**

We had been awarded at Lucy Electric Supplier Meet 2018 and also by Metaforge Engineering Pvt Ltd. In 2014-2015 for providing best quality at the given time.





### MANUFACTURING INFRASTRUCTURE

Excellent production facilities supported by skilled & efficient hands to deliver Quality & Delivery schedule laid down by customer.

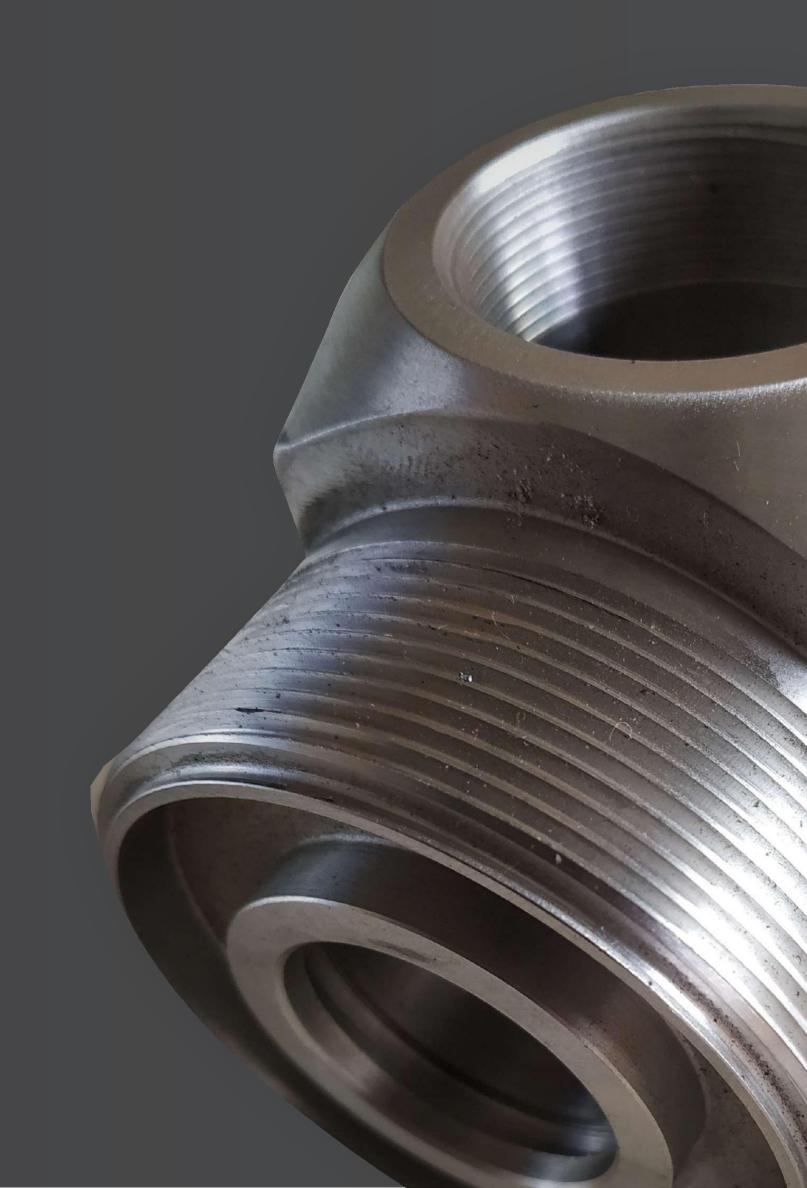
Quality Assurance Dept. with a Standard Room.

Export to UK, Denmark, Germany, UAE, SriLanka through our regular customers & real-time supplies to IATF16949 certified customers.

Our products go through a variety of heat treatment & surface treatment processes.

We also export to Germany to our various customers.

Presently we handle batch size as small as 50 Nos to mass volume production according to business potential.



## **VMC MACHINES**







## **VMC** Machines





## **CNC MACHINES**









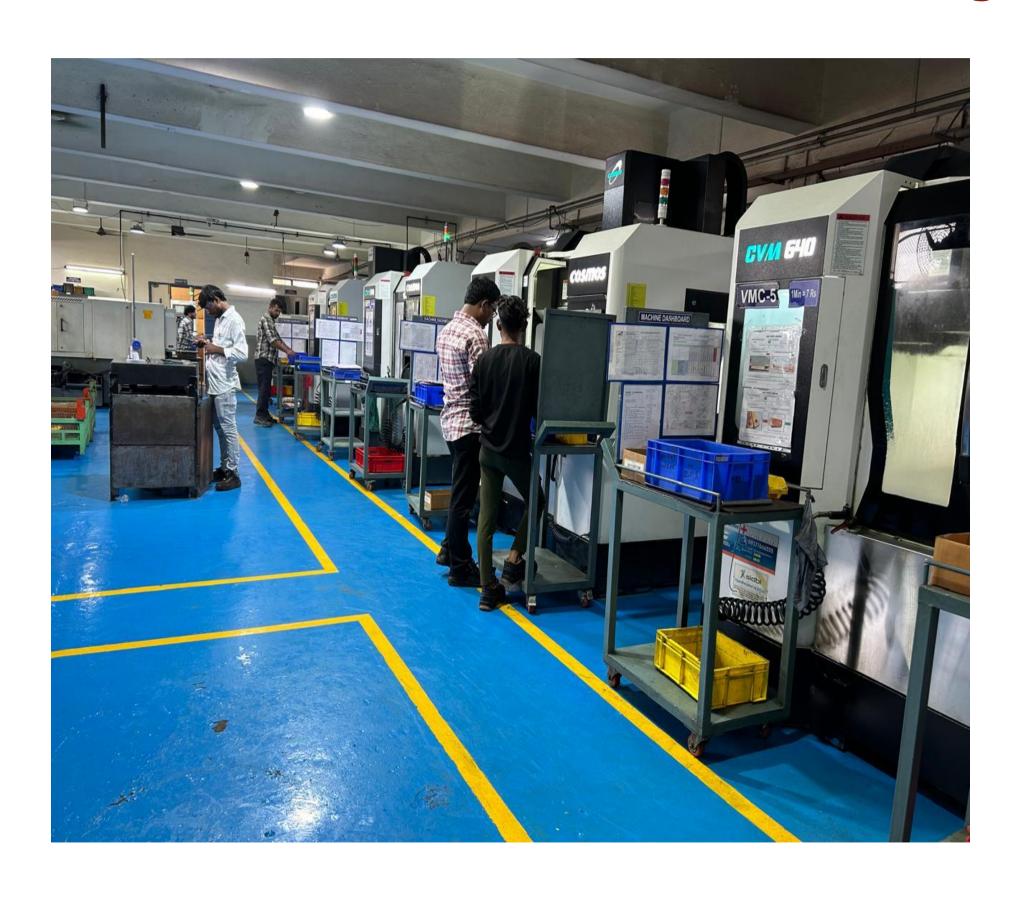
## **DRO AND TRAUBS MACHINES**















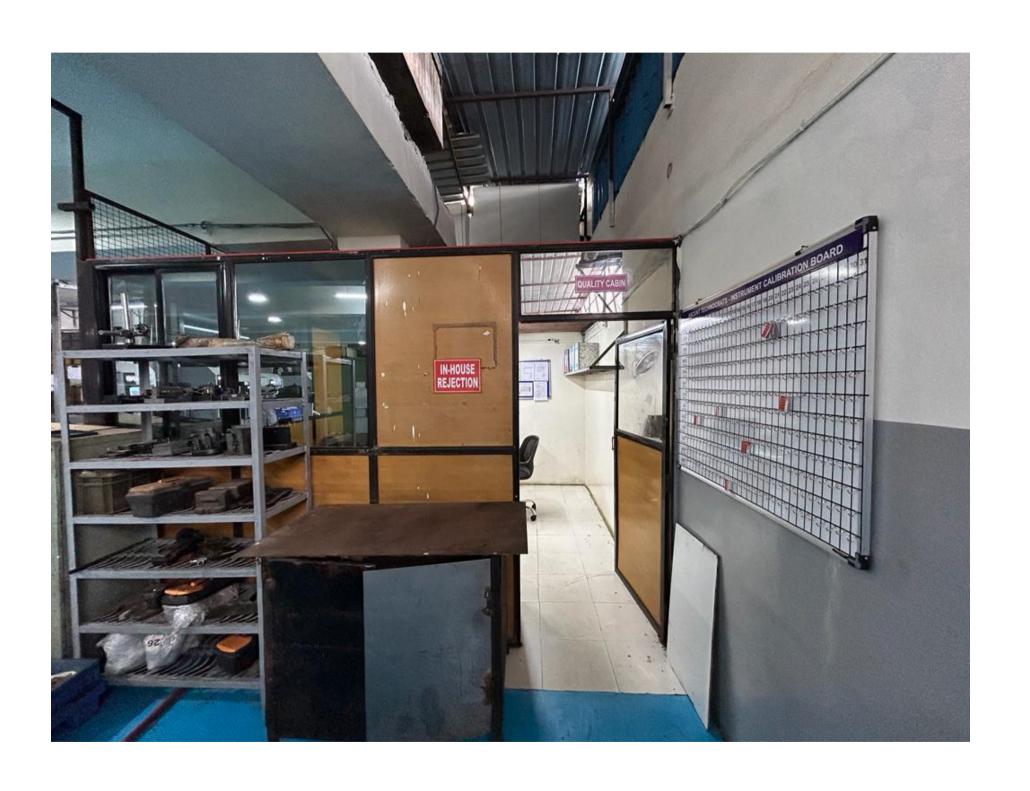
















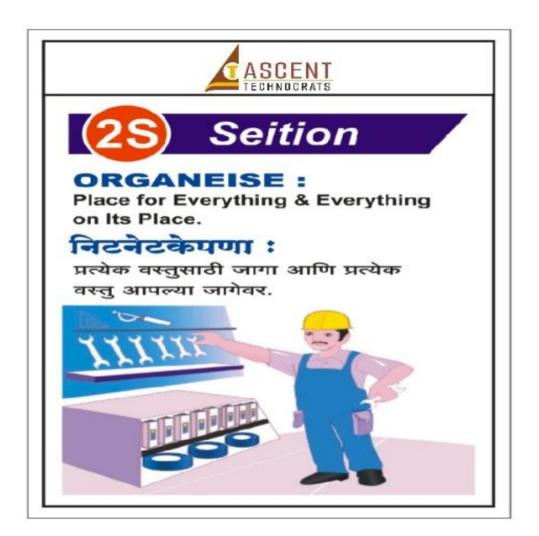


# **In-House Training Sessions**



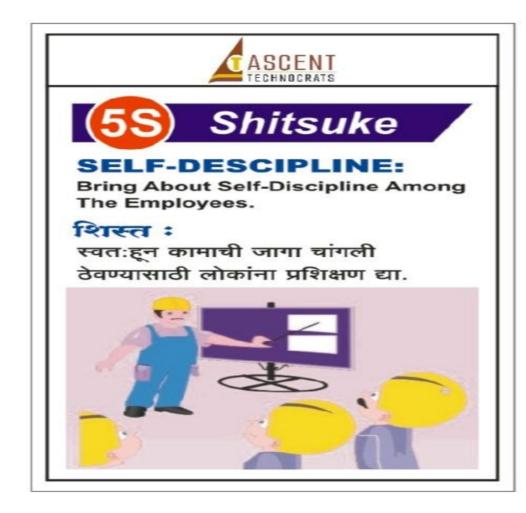
### **Company Quality Principles**













## **Company Quality Principles**







## **Dussehra Celebration**



### MACHINES INFRASTRUCTURE

Sr. No.	Machine	Make/Model	Capacity	Qty. (Nos.)
1.	CNC Lathe	ACE	D 200mm	2
2.	CNC Lathe	LMW	D165mm	1
3.	CNC Lathe	Mac Power	D165 mm	1
4.	VMC M/c with 4 <sup>th</sup> axis	Cosmos	800 x 450 mm	4
5.	VMC M/c	AMS	500 x 300 mm	1
6.	Lathe M/c	Crawn	6.5ft	2
7.	Lathe M/c	Kirloskar	5.5ft	1
8.	DRO Milling	Pac mill	1250 x 350	2
9.	Conventional Milling	Atlas	750 x 250	1
10.	Traub m/c A 60	PMT	60mm	1

### MANUFACTURING INFRASTRUCTURE

Sr. No.	Machine	Make/Model	Capacity	Qty. (Nos.)
11.	Traub m/c A 42	PMT	42 mm	1
12.	Traub m/c A 32	Abhijit	32 mm	4
13	Traub m/c A 25	Arrow	25 mm	2
14.	Tapping m/c	Jyoti	3/8"	1
15.	Band Hacksaw	Jyoti	8"	2
16.	Band Saw Cutting Machine	Swastik	200 mm	1
17.	Orgun Welding Machine	Rilon	_	1
18.	Pipe Cutter	Dewalt		2

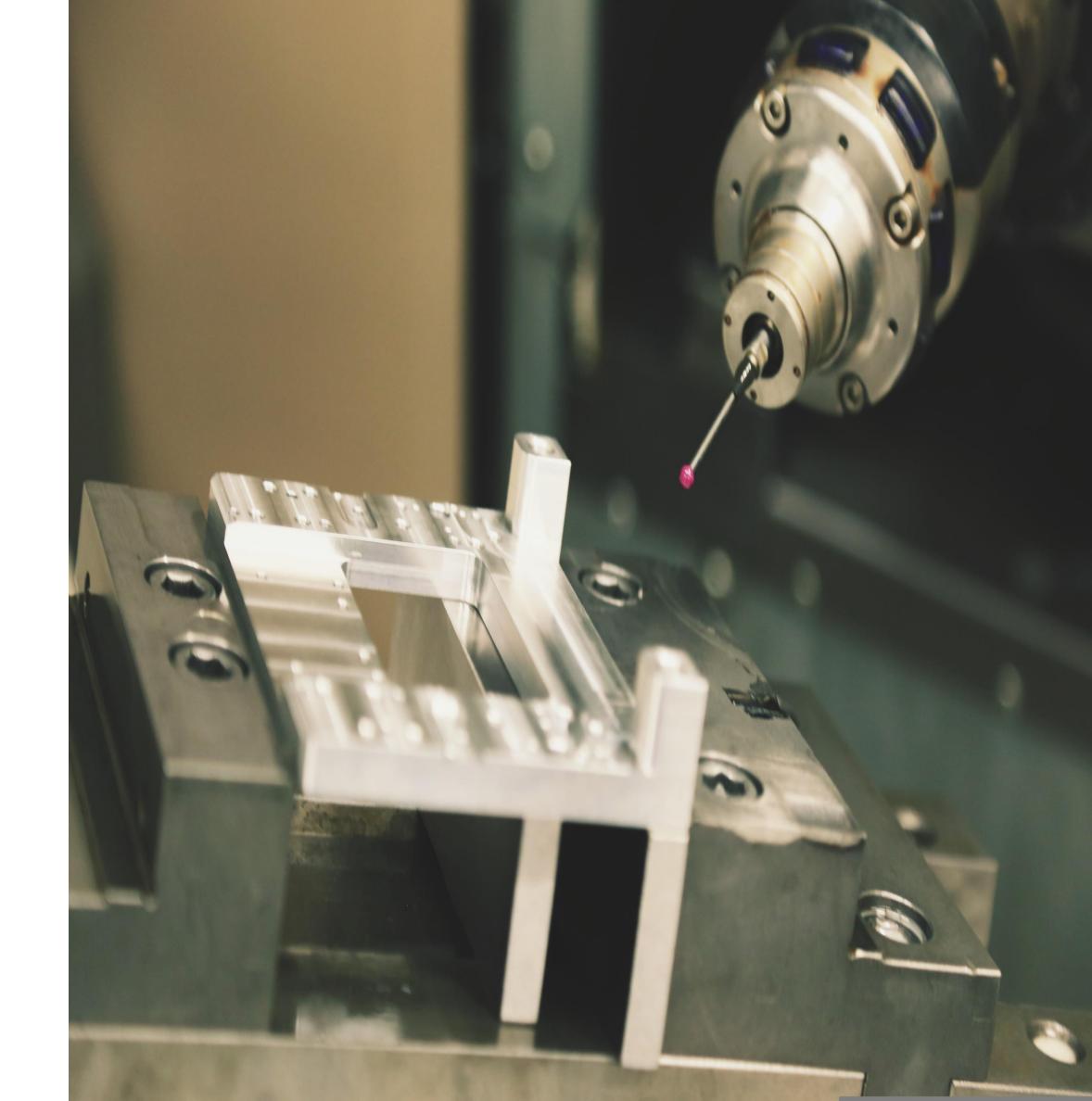
## **QUALITY POLICY**

We at Ascent Technocrats are committed to manufacture precision machined components for automobile and other industry as per customer specifications.

We will follow a path of continual improvement through emphasis on

- Innovative ideas
- Stabilizing & reviewing quality objectives
- Cost effectiveness working on all activities
- Satisfying all applicable requirements
- Effectively implementing IATF16949 Quality Management System.

Our aim is Total Customer Satisfaction and Continual Happiness of all interested parties



### QUALITY SET UP

Sr. No.	Model	Make	Capacity	Qty. ( Nos.)
1.	Digital Vernier	Mitutoyo, Japan	0 –150 mm	2
2.	Digital Vernier	Mitutoyo, Japan	0 –200 mm	1
3.	Dial Vernier	Mitutoyo, Japan	0-300 mm	1
4.	Digital Micrometer	Mitutoyo, Japan	0 –25mm	1
5.	Dial Vernier Caliper	Mitutoyo, Japan	0–150 mm	2
6.	Dial Vernier Caliper	Mitutoyo, Japan	0-200mm	1
7.	ID Micrometer	Aerospace	0 –25 mm	1

### QUALITY SET UP

Sr. No.	Model	Make	Capacity	Qty. ( Nos.)
8.	Groove Micrometer	Aerospace	0–25 mm	1
9.	Surface Plate	Jash	300*300	1
10.	Magnetic V blocks	Crystal	6"	2
11.	Micrometer	Mitutoyo, Japan	0-25mm	4
12.	Micrometer	Aerospace	25-50mm	1
13.	Height Gauge		0-300mm	1

## Third-Party material test report after receiving the material



#### VSP TESTING & CALIBRATION LABORATORY



CHEMICAL, MECHANICAL, METALLURGICAL & CORROSION TESTING

H-112/9, Shree Ashtavinayak Indl. Premises Co-op. Society, MIDC Ambad, Nashik - 422 010. Tel.: 0253-6637135, 9607217765, 9370317765. E-mail: vsplaboratory@gmail.com Website: www.vsptestinglab.com

#### TEST REPORT

FRM/TEC/07 R.03 ULR.-TC620524000009448F

REPORT NO: J-0914-S ASCENT TECHNOCARTS CUSTOMER: ADDRESS:

DATE: 25/Jun/2024 Plot No- W-205, MIDC, Ambad, PAGE NO: 1 of 1 Nashik-422 010

Sample Received on: 18/06/2024 Ref / Challan No:

Hex Dia 13.0mm Cut Piece Sample. Sample Description: GRN No- 0329

(Test Method-IS-1608 P1-2022)

Test Date - 21/06/2024

En-1A Specification

#### I. MECHANICAL TESTING 1. MECHANICAL PROPERTIES OF METALS TENSILE TEST

W.G.L.

II. CHEMICAL TESTING 1. METALS & ALLOYS

CHEMICAL ANALYSIS (Test Method:-ASTM E-415-21/ IS-8811-18 / JISG1253-13) Date -21/06/2024

	PARAMETER	RESULT	ELEMENT	RESULT	R/V As Per BS-970 (1995) Gr En-1A
	Diameter (mm)	9.96	Carbon (C %)	0.083	0.07 - 0.15
	Area (mm²)	77.91	Manganese (Mn %)	1.09	0.80 - 1.20
	Gauge Length (mm)5.65√A	50.00	Silicon (Si %)	0.023	0.10 max
	Final Gauge Length (mm)	57.90	Sulphur (S %)	0.21	0.20 - 0.30
	Yield Load (kN)	50.20	Phosphorous (P %)	0.047	0.070 max
	Ultimate Load (kN)	52.92	Chromium (Cr %)	0.021	****
	Yield Stress (N/mm²)	644.31	Nickel (Ni %)	0.007	
	U. T. S. (N/mm²)	679.22	Molybdenum (Mo %)	0.006	
4	% Elongation	15.80			

HARDNESS TEST: - (IS 1586-1 2018) Test Date. - 21/06/2024 HARDNESS (HRBW) 95, 96, 98

END OF REPORT --

Remark: Material conforms to BS 970 (1955) Gr- En-1A with respect to Chemical test carried out.

CHECKED BY

**AUTHORIZED SIGNATORY** 

S V Patil **Quality Manager** 

S A Shaikh Technical Manager

+ Sample (s) drawn by customer & not by VSP Testing & Calibration Laboratory.



<sup>\*</sup> Test report pertains only to the particulars sample (s) tested. \* Sample description as described by customer. + This report shall not be reproduced except in full, without the written approval of the laboratory.

<sup>.</sup> When Statement of Conformity to a specification or standard for the test (e.g.pass or fail) is required, the decision rule as per VSP Work Procedure WP/QMS/010 is applied

### **Calibration reports**



#### RELIABLE ACCURATE INSTRUTECH LLP.

Work Add.: Plot No.: PAP-89, Third Floor, Gala No.: 6, Above IDBI Bank ATM, MIDC, Ambad, Nashik-422010.

Contact: +91-7219601124, 7774029977 E-mail: raillp2024@gmail.com



#### **CALIBRATION CERTIFICATE**

ULR No : C	C347624100001700F	Certificate No : RAIL/202465/1	Page Number : 01/02
		Date of Receipt	30/05/2024
	M/s. Ascent Technocraft	Date of Issue	31/05/2024
Customer Name & Address	W-0205, Addition MIDC Area	Date of Calibration	30/05/2024
- Audition	Ambad, Nashik - 422010.	Next Calibration Due (Suggested by Customer)	29/05/2025
		Customer Challan No & Date	Thr. : SS INS. & 30/05/2024
SRF No. : RAIL/240530/65 Condition of Instrument : OK		Calibration Location Calibration Procedure	
Standard Reference		16) Calibration Method LS OF UNIT UNDER CALIBRATION (UUC)	: Direct Method
Name of Instrument		Make	: Mitutoyo
dentification No.	: AT/VC/02	Model	:NA
Serial no.	- :	Range	: 0 to 200 mm
Accuracy	NA	Resolution/Least Count	- 0.01 mm

wironmental Conditions:	Temperature: 20.5 °C

Instrument Name	Id/Sr. No.	Certificate No.	Calibrated By	Valid Upto
SATE OF SLIP GAUGES (88PCS) GRADE 40)	ASAE/RS/01	N/01/220006	ACCURATE ENGINEERING CO. PVT. LTD.	10/09/2024
CALIPER CHECKER	ASAE/RS/08	P/09/230039	ACCURATE ENGINEERING CO. PVT. LTD.	07/01/2026

#### DISCIPLINE: Mechanical

Depth Measurements

#### External Measurements

Nominal Readings	Observed Average Readings	Error
mm	mm	mm
0.00	0.000	0.000
20.00	19.993	-0.007
20.02	20.013	-0.007
20.50	20.493	-0.007
21.00	20.993	-0.007
50.00	49.993	-0.007
100.00	99.993	-0.007
150.00	149.993	-0.007
200.00	199.993	-0,007

Nominal Readings	Observed Average Readings	Error
mm	μm	jum
25.00	25.000	0.000
50.00	50.000	0.000
100.00	100,000	0.000

#### Internal Measurements

Nominal Readings	Observed Average Readings		
mm	mm	mm	
0.00	0.000	0.000	
20.00	20.007	0.007	
50.00	50.007	0.007	
100.00	100.007	0.007	
150.00	150.007	0.007	
200.00	200.007	0.007	

#### **PARALLELISM & FLATNESS**

PARALLELISM OF EXTERNAL MEASURING FACES	0.006 mm
PARALLELISM OF INTERNAL MEASURING FACES	0.005 mm

Rahul Ramole

Calibration Engineer

NASHIK

Checked And Approved By Abhishek Ahire Quality Manager

#### RELIABLE ACCURATE INSTRUTECH LLP.

Work Add.: Plot No.: PAP-89, Third Floor, Gala No.: 6, Above IDBI Bank ATM, MIDC, Ambad, Nashik-422010.

Contact: +91-7219601124, 7774029977

E-mail: raillp2024@gmail.com



#### CALIBRATION CERTIFICATE

ULR No : CC347624100001700F Certificate No: RAIL/202465/1 Page Number: 02/02 **Expanded Uncertainty** Uncertainty of Measurement: Remarks:

The reported uncertainty is at coverage factor K+2 which correspond to a coverage probability of approximately at 55% Confidence Level.

Above nesults are average of three readings.

This certificate refers only to the particular items submitted for calibration at lab / Site.

This certificate may not reproduced other than in full unexpt with the prior written approval of the issuing laboratory.

The uncertainty evaluation has been certificate.

Any corrections in certificate invalidated this certificate.

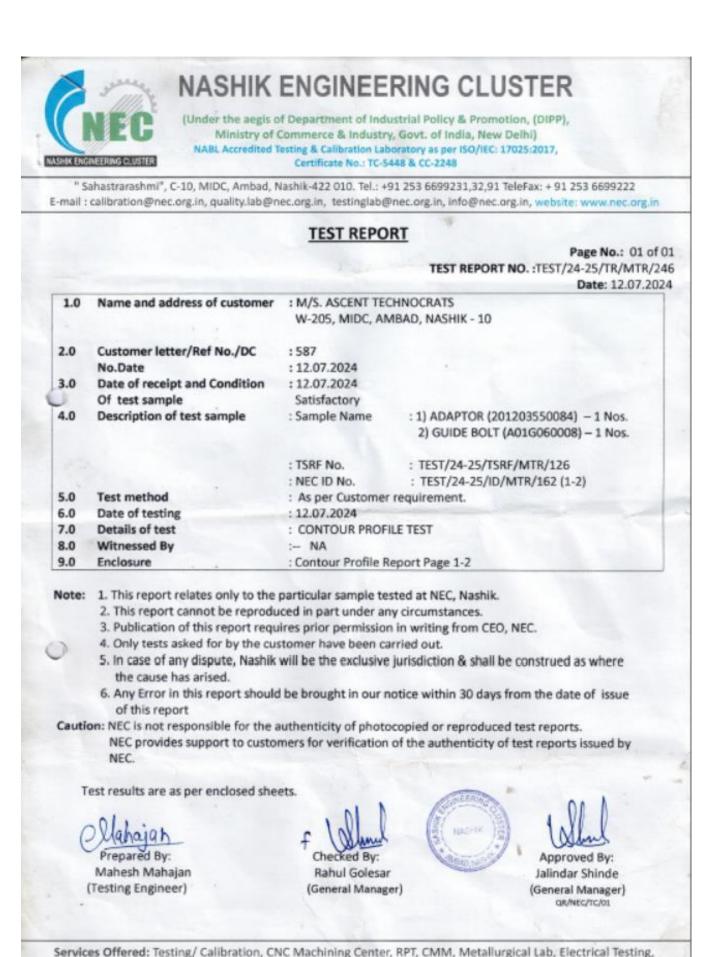
This certification results are invalidated this certificate.

The calibration results reported in this certificate are valid at the time of and under the placed conditions of measurement.

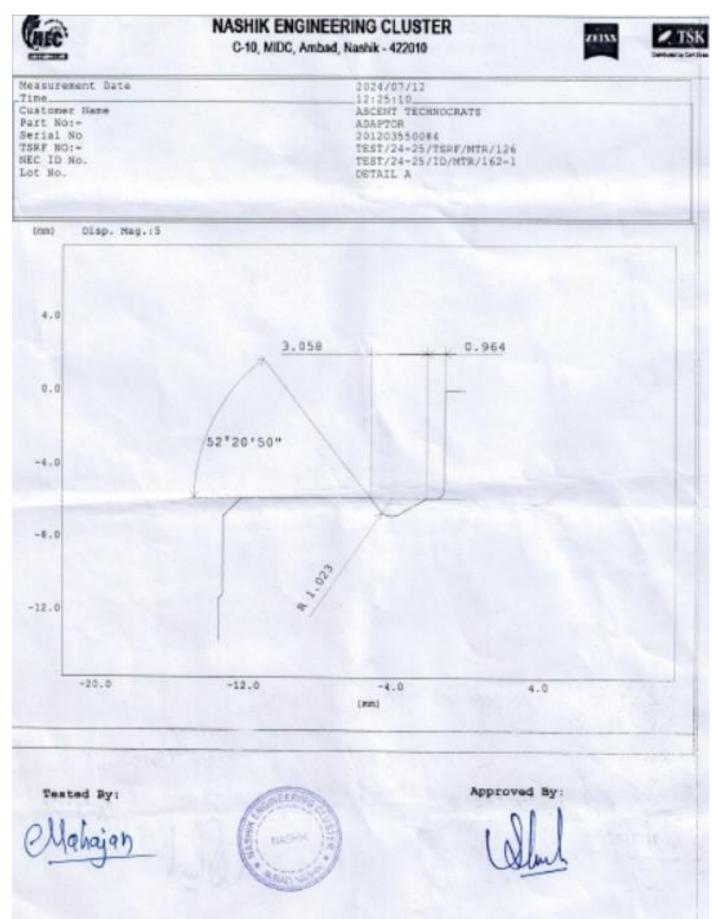
This instrument was calibrated against leboratory standards whose values international Standards traceable to recognised National / International Standards. Checked And Approved By Calibrated By NASHIK Abhishek Ahire Rahul Ramole Quality Manager Calibration Engineer

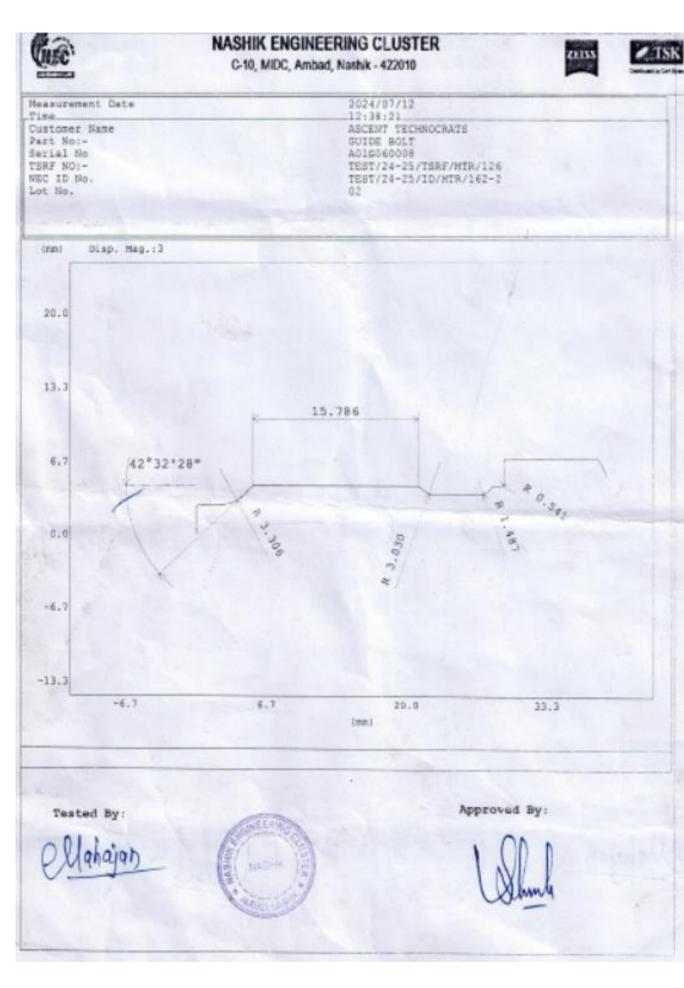
----- END OF CALIBRATION CERTIFICATE -----

## **Third- Party Inspection reports before final dispatch**



Environmental Testing, Heat Treatment, Seminar Halls & Auditorium Etc.





## **Our Upcoming Quality Instruments**





## **Our Upcoming Machines**





**Cylindrical Grinding Machine** 

**Twin Spindle Machine** 

### WHY ASCENT TECHNOCRATS?



Flexibility: Multiple Delivery Options



High Technology Standards



Speed of Service



Cost Effective Quality Manufacturing



Efficient Business Execution



Long Term
Commitment

#### **Customer Feedback**

"Partnering with ASCENT TECHNOCRATS has been a game-changer for our business. Their commitment to precision and quality is unmatched, and their ability to handle complex projects with ease has significantly improved our production efficiency. The team's expertise, state-of-the-art technology, and outstanding customer service make ASCENT TECHNOCRATS a trusted and invaluable partner. We couldn't be more satisfied with the results and look forward to continued collaboration."

