



**Better, Faster & Reliable**

## Overview

### Mr. Prakash Pol , Chairperson



A Bachelor of Engineering in Metallurgy from Pune University.

The Legendary Founder of the Company is the visionary, change agent and proponent of empowerment and growth of the company.

He has been instrumental in maximizing corporate performance, capturing market share, identifying, designing, and marketing technology products by using experience-backed judgment, innovation, strong work ethic, and irreproachable integrity.

### Mr. Vineet Pol, Managing Director



A Dynamic personality, backed by an Electronics Engineering degree from Mumbai University,

A visionary thinker with global perspective and entrepreneurial drive.

A key contributor in introducing new and latest technologies, opening New markets, launching new products, driving growth.

## Overview

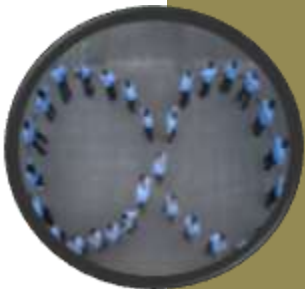


### **Mr. Vikas Dhamankar , Executive Director**

Metallurgical Engineer from Pune University,

Over a 30+ Years of experience in a field of Metallurgy.

He has been a driving force in many industries with visionary leadership, technical prowess and strategic acumen. His vast experience drives innovation, ensuring unparalleled growth, technical excellence, optimize processes and steer our company towards unparalleled excellence.

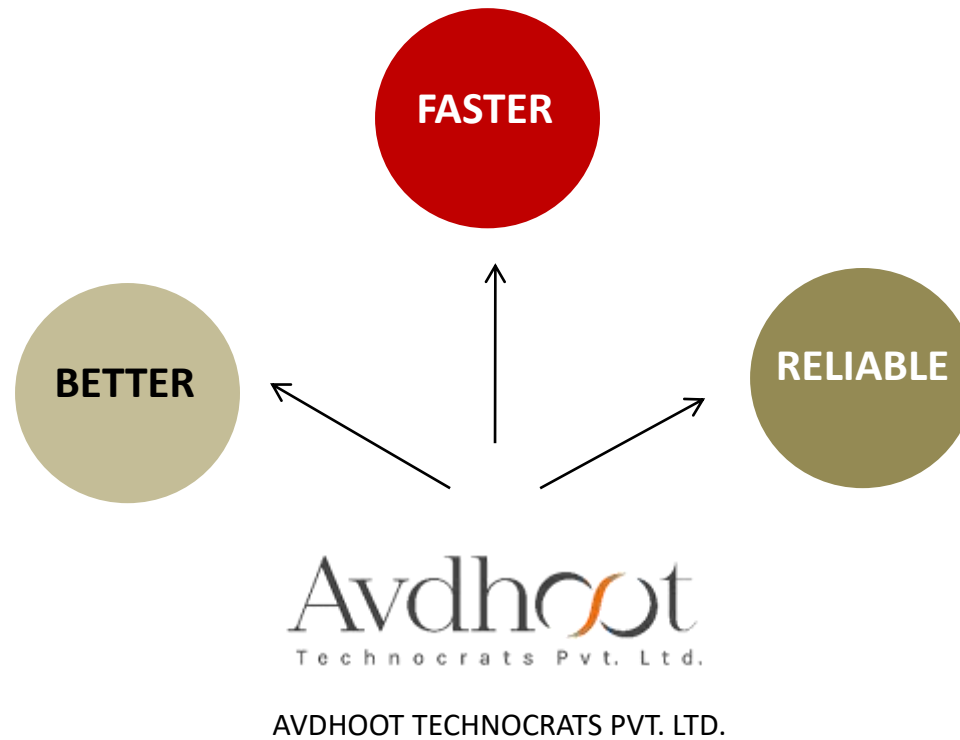


### **TEAM AVDHoot**

Our distinguished Operational Team boasts 30+ years of Metallurgical Experience. With unmatched expertise, We innovate, design and deliver excellence, setting new standards in the field.

Pioneering excellence, We redefine industry standards through expertise and innovation in heat treatment

## Overview



100

## Vision

### ➤ Mission

Our mission is to be the go-to solution for precision manufacturing needs, driving success for our clients and stakeholders through a relentless pursuit of excellence.

➤ Values

We CARE all our employees and stakeholders.

- **C – COMMITMENT**  
We keep our COMMITMENT to all stakeholders.
- **A – AGILE**  
We are AGILE to be effective & efficient.
- **R – RESPECT**  
We treat everyone with RESPECT.
- **E – EXCELLENCE**  
We strive for the EXCELLENCE.

➤ Tag Line:

From Infancy to Health



Vikas Dharamnagar  
Executive Director

  
Vincent Pol  
Managing Director

### Our Quality Objectives

- 1. Customer Satisfaction:** We are committed to understand and meet the needs and expectations of our customers. Through continuous improvement and innovation, we aim to deliver products and services that consistently surpass customer requirements.
- 2. Compliance:** We adhere to all applicable statutory and regulatory requirements, as well as customer-specific standards. Our quality management system is designed to ensure compliance and drive a culture of integrity throughout the organization.
- 3. Continuous Improvement:** We embrace a culture of continuous improvement in all aspects of our operations. Through ongoing training, monitoring, and feedback mechanisms, we strive to enhance our processes, technologies, and skills to remain at the forefront of the industry.
- 4. Environmental Responsibility:** We are committed to minimizing our environmental impact. Our processes are designed to be environmentally friendly, and we actively seek opportunities to reduce waste, conserve resources, and adopt sustainable practices.
- 5. Employee Engagement:** Every employee at ATPS is responsible for upholding our commitment to quality. We foster a culture of accountability, teamwork, and open communication to empower our employees to contribute their best to the achievement of our quality objectives.
- 6. Leadership Commitment:** Our leadership team is dedicated to providing the necessary resources, support, and direction to ensure the success of our quality management system. We lead by example, promoting a culture of quality and demonstrating our unwavering commitment to the highest standards of quality and accountability at all levels of the organization.

Viktor Oshchepkov  
Executive Director

  
Violet Pot  
Managing Director

## QUALITY POLICY

We shall achieve this through following relations to ensure our profitable growth.

- Customer Satisfaction
- Compliance
- Cost/Qual Improvement
- Environmental Responsibility
- Employee Engagement
- Leadership Commitment

Vikas Dharambhar  
Executive Director

  
Vivek Rai  
Managing Director

गणतन्त्र पार्टी

आमृत ऐनिकिंदह (प्र. १९) येथे जगाही विषय उद्घोष केल्यांत साहू आचार्य उद्घोष मनकांन पालन सुनिश्चित करून उवाचने अर्थी संक्षेप प्रदान करणारहरी समीति अहोत वासव्या मुखवती पदालनकाव्या सहा सुवात साह सुवाता सुवातीहरी अन्वयी कणकडला आहूत आहे अर्थी जगाही आचार्य साहवाता अर्थी मणधालकांन सहा अर्थी अर्थीहू पूर्ण करणारा किंज प्रप्रेक्ष जगस करणारा प्रप्रेक्ष करती.

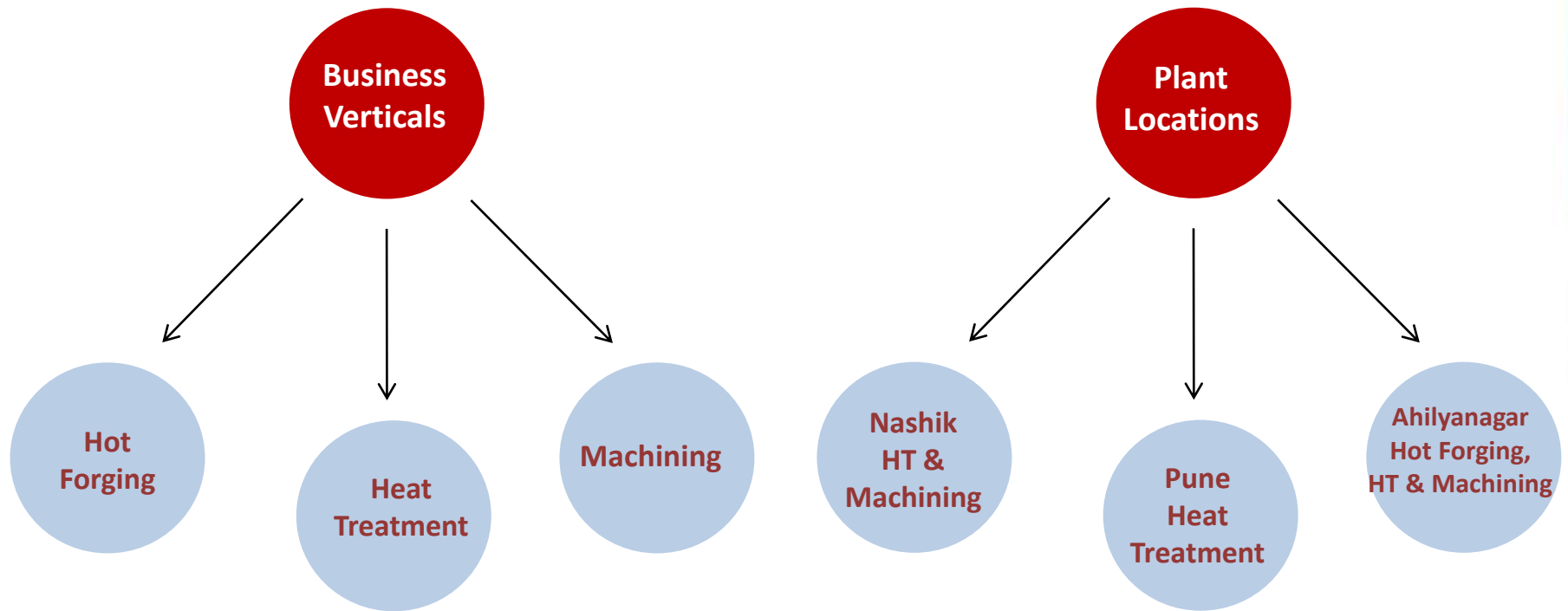
अमरीकन प्रेस वाद सुनिश्चित करवावाची नाही काहीत उपक्रमे हे सात ठर

- वायुमंडल-संशोधन
- अन्तरिक्ष-अन्वेषण
- जलवायु-सुधारण
- पर्यावरणीय-संरक्षण
- अर्थव्यवस्था-प्रवर्धन
- वैज्ञानिक-प्रगति

विद्यालयाध्यक्ष  
कार्यकारी संघाला

विनीत धोले  
अध्यक्ष, प्रजापद संस्थान

## Verticals & Locations



## SECTORS SERVED



Automobile



Aerospace



Defense



Agriculture



Switchgears



Earth Moving



Bearing



Railways



Mining



Health Care



Industrial



Oil & Gas

## PLANT LOCATIONS





## PAN INDIA PRESENCE

### WIDESPREAD CUSTOMER BASE



## CUSTOMER BASE

## MAJOR CUSTOMERS



## **WHY FASTER**

## **HEAT TREATMENT SERVICES**

- **Vacuum Hardening**
- **Vacuum Annealing**
- **Vacuum Brazing**
- **Induction Hardening**
- **Induction Brazing**
- **Induction Softening**
- **Hardening & Tempering**
- **Age Hardening**
- **Plasma Nitriding**
- **Carburising**
- **Carbonitriding**
- **Annealing**
- **Normalising**
- **Stress Relieving**
- **Met. Lab. Services**
- **Failure Analysis**

## WHY FASTER

## HEAT TREATMENT FACILITIES (NASHIK)

Description	Capacity Kgs.
Vacuum Hardening Furnace	600
Sealed Quench Furnaces (2 Units)	1500 each
Plasma Nitriding (1 Chamber)	1000
Continuous Mesh Belt Furnaces (3 Units)	Total 1000 / Hr.
Induction Hardening ( 7 Machines )	30 KW ~ 300 KW 3 ~ 250 kHz
Pit type GCF Furnaces (3 Units)	600 each
Bell Annealing	2000

## WHY FASTER

## HEAT TREATMENT FACILITIES (NASHIK)

**Plasma  
Nitriding**  
(1 Chamber)  
Capacity  
1000 Kgs.



**Sealed  
Quench  
Furnaces**  
(2 Units )  
Capacity  
1500Kgs




**Vacuum  
Hardening  
Furnace**  
Capacity  
600Kgs.



**Induction  
Hardening**  
(7 Machines )  
Capacity :  
30 KW to 300 KW

## WHY FASTER

## BRAZING TECHNIQUES (NASHIK)

Machine Name	Advantages	Brazing Material Combination	Photographs
Induction Machine	<ul style="list-style-type: none"><li>❖ Rapid heating and precise temperature control.</li><li>❖ Minimal heat distortion in the base metals.</li><li>❖ Suitable for a variety of materials.</li></ul>	i.e Base Material EN353+Carbide Tips Brazing with 45% Silver rod	
Vacuum Furnace	<ul style="list-style-type: none"><li>❖ Cleaner joints with Minimal oxidation.</li><li>❖ Enhanced joint strength</li><li>❖ Applicable to complex geometries</li></ul>	i.e. Base Material Copper, Aluminum & Other Alloy Steels braze with various temperature in vacuum atmosphere	



### Testing Facilities

- Metallurgical microscope.
- Image Analysis System
- Universal Testing Machine
- Micro-Vickers Hardness Tester
- Rockwell Hardness Tester
- Rockwell cum Brinell Hardness Testers (FIE).
- Rockwell Superficial
- Brinell Hardness Testers
- Vickers Hardness Testers
- Variable Speed Double Disk Grinder/Polisher.
- Hydraulic Specimen Mounting Press
- Magnaflux Machine



Proud Moment

Inauguration of Pune Plant on 04th October 2024





## WHY FASTER

## HEAT TREATMENT FACILITIES (PUNE)

**Plasma  
Nitriding**  
(1 Chamber)  
Capacity  
600 Kgs



**Induction  
Hardening**  
(1 Machine)  
Capacity :  
45 KW,  
50 ~ 200 kHz

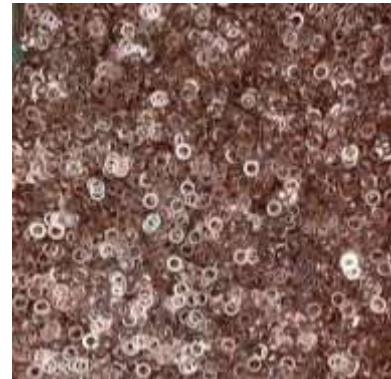
**Sealed  
Quench  
Furnaces**  
(2 Units)  
Capacity  
800 Kgs



**Metallurgy  
laboratory**

## SPECIALITY

## HEAT TREATED PRODUCTS





## SPECIALITY

## HEAT TREATED PRODUCTS (CRITICAL APPLICATIONS)



## SPECIALITY

## INDUCTION HARDENING PATTERNS







## WHY FASTER

## FORGING FACILITIES

Description	Capacity (Ton/")	Make	Induction Heater (KW)	Number of Machines
Belt Drop Hammer	1.2	Massey	250	2
Belt Drop Hammer	2	N K H	300	1
Belt Drop Hammer	3	Massey	450	1
Upsetter	2"	Eumuco	180	1
Upsetter	3"	Lamberton	300	1
Upsetter	4"	Lamberton	450	1
Forging Press	1600	Russian Voronezh	400	1

## WHY FASTER

## UPSETTER FACILITIES

Sr. No.	Description	Max Total Length of part in mm	Max Part diameter in mm	Max Upset length of part in mm	Max wt/Pc in kgs	Max Diameter of input Bar/Raw mat in mm
1	2" Upsetter	1000-2000	80	100-120	10	50
2	3" Upsetter	1000-2000	106	180-190	20	56-70
3	4" Upsetter	1000-2000	118	220-230	30	75
4	Hammer + Upsetter Combination	1000	80	100-120	20	50

**WHY FASTER**

**FORGING FACILITIES**

**Monthly Capacity - @1500 MT**





## WHY FASTER

## DESIGN & DEVELOPMENT

- In House die designing
- Capacities and capabilities of In-house developments of Die & tool right from Component Modelling & Designing, Tool designing & manufacturing/Forging/Heat Treatment /Machining .
- Design & Development with the latest software like NX and Solidworks



## WHY FASTER

## FORGING FACILITIES

Forging facility is backed up with  
**Pre and Post forging facilities such as**

- Raw material cutting with CNC Circular Saw, Band Saw & Shearing machines
- Continuous Hardening & Tempering Furnace
- Shot Blasting –3 Machines
- Magnetic Particle Inspection – 3 Machines



**WHY FASTER**

**FORGING PRODUCTS**

**FORGING RANGE FROM A JOB OF 0.3 KGS TO 50 KGS**



**WHY FASTER**

## **UPSETTER ROUTE FORGING PRODUCTS**

Product range includes

Automotive Shafts, MSTs Shafts, Tube Shafts, Axle shafts and other Engineering items.





## WHY FASTER

## MACHINING FACILITIES

Major  
Facilities

CNC

VMC

HOBBING

DRO

VERTICAL

DRILL



**WHY FASTER**

**MACHINING FACILITIES**



## WHY FASTER

## MACHINING FACILITIES

Description	Capacity	Make	No of machines (Numbers)
CNC	Chuck Dia. 200 mm to Dia. 250 mm Length up to 1000 mm	LMW/ACE/ FEMCO	11
VMC	Length : 800x485mm Pallet Changer	JYOTI/BFW/ ACE	10
HOBGING	MODULE 6	PFAUTER	1
HOBGING	MODULE 6	LORENZ	2
LATHE	LENGTH 2000 mm	CROWN	1
CENTERING & FACING	LENGTH 2000 mm	WMW & PRECI-CUT	2
TAPPING ARM	M6 TO M30	TAIWAN	1
VERTICAL DRILL	DIA 200 mm LENGTH 500 mm	PRASHANT	2
BAR CUTTING MACHINE	Up to Dia. 120 mm	Swastik	5

## WHY FASTER

## SOME OF THE TESTING FACILITIES



Standard Room



Trimos Model - V5 -1100

Measuring Range mm (in)	1429
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Trimos Model – SJ210

Contour Measuring Instrument –  
CV2100

Measuring Range mm (in)	0 -100mm
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1. Standard Room is equipped with all required instrument.
2. For CMM we are associated with NEC



## Proud Moments

### In-house Grinding Facility



### Specifications

- Manufacturer: Koebau Multimat
- Surface Roughness (Max): 0.2 to 0.3
- Max. OD: 70 mm
- Min. OD: 6 mm
- Max. Length: 150 mm
- Min. Length: 10 mm
- Grinding Wheel OD: 400 mm
- Grinding Wheel Width: 150 mm
- Grinding Wheel RPM (Max): 1440 rpm

### In-house Laser Cutting Facility



### Specifications

- Make: ALS, India
- Sheet Size: 3000 mm x 1500 mm
- Maximum Cutting Thickness: Mild Steel or Steel Alloys: up to 25 mm, Stainless Steel (Any Grade): 14 - 16 mm
- Laser Power: 6 kW

## WHY FASTER

## MACHINING COMPONENTS RANGE

- Automotive Gears
- Shafts
- Camshafts
- Companion flanges
- Yoke
- Shafts
- Tube
- Yokes
- Sleeve Yokes
- Flange Yokes
- Flanges
- Differential Spiders
- End Yokes
- Steering Arms

**MACHINING ACCURACY WITHIN 6 MICRONS**



**WHY FASTER**

**MACHINING COMPONENTS RANGE**







**WHY FASTER**

**MACHINING COMPONENTS RANGE**



## WHY FASTER

## SOME OF THE PRECISION MACHINED COMPONENTS

Part Name	Qty/Month (Nos)	Importance	Photographs
King Pin	10,000	Cylindricity within 8 $\mu\text{m}$	
Mass Balancer Shaft	5,000	Cylindricity within 6 $\mu\text{m}$	
Element Bush & Family	3,000 of each type	Perpendicularity & Parallelism within 10 $\mu\text{m}$	
Bar Pin	10,000	Profile of R25 with Parallelism within 10 $\mu\text{m}$	

## FUTURE PLANS

SR NO.	PARTICULAR	Expected Installation
1	CNC 2 Nos	April 2025
2	VMC 2 Nos	June 2025
3	CMM	June 2025
4	SURFACE BROACHING	June 2025
5	GEAR TESTER	August 2025
6	GAS NITRIDING / NITRO CARBURISING	August 2025



## WHY RELIABLE

## CERTIFICATIONS



**WHY RELIABLE**

**UPCOMING CERTIFICATIONS**



June 2025



## Proud Moments

### First International Presence: Global Industrie Paris, France – March 2024



### 1st Dispatch to Indian Railways



## ENVIROMENTAL CONSERVATION AND ECO-FRIENDLY PRACTISES TO REDUCE CARBON FOOTPRINT



Renewable Energy



In 80,000 sq. ft. Area  
1200+ Trees







**Avdhoot**<sup>TM</sup>  
T e c h n o c r a t s P v t. L t d.

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