



PRIMELINE
COMPONENTS
PRIVATE LIMITED

PRECISION MANUFACTURING EXCELLENCE

**Your Trusted Partner for Precision Machining
and Custom Component Manufacturing.**

A division of Abhang Group of Companies

PRIMELINE COMPONENTS PVT.LTD

MANUFACTURING UNIT

MULTIPURPOSE

Machinist Expert & Customized Projects

**Trusted manufacturing company specializing
in producing consumer innovations.**



OUR VISION

To be a company that consistently exceeds customer expectations by delivering world-class solutions, while embedding Health, Safety, and Environmental responsibility into every aspect of our decision-making and operations



Idea



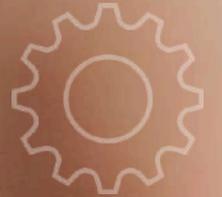
Solution



Team work



Growth



OUR MISSION

Our mission is to drive economic growth through sustainable development by delivering innovative solutions that empower communities and safeguard the environment. We harness technology and innovation to enhance the sustainability and performance of our products, services, and operations

Services

CHASING EXCELLENCE WITH **INNOVATION**



Components Manufacturing

Our in-house team specialises in conceptualising and developing parts tailored to your specific needs. Once we understand your requirements, we manage the entire process — from prototyping to full-scale production

Prototyping Batch

Our parts are manufactured using advanced, fully automated machining equipment, ensuring high-volume production with consistent quality. Skilled technicians and operators closely monitor the process to ensure every part meets customer requirements and industry standards.

Injection Moulding

Simplify your operations by outsourcing your product assembly to us. We also offer injection moulding batch and mass production part

MATERIAL WE USE FOR MACHINING

- Inconel 601 Inconel 700 model 400 Hastelloy N Alloy, K Monel , 174PH ,Alloy 15-5PH,Super Alloy XM 19, ASTM- 286 , Ti grade 6 , ss 303 , 304 , 310 ,316 ,410 , 416,420 440c.



WE DO TESTING

NON-DESTRUCTIVE

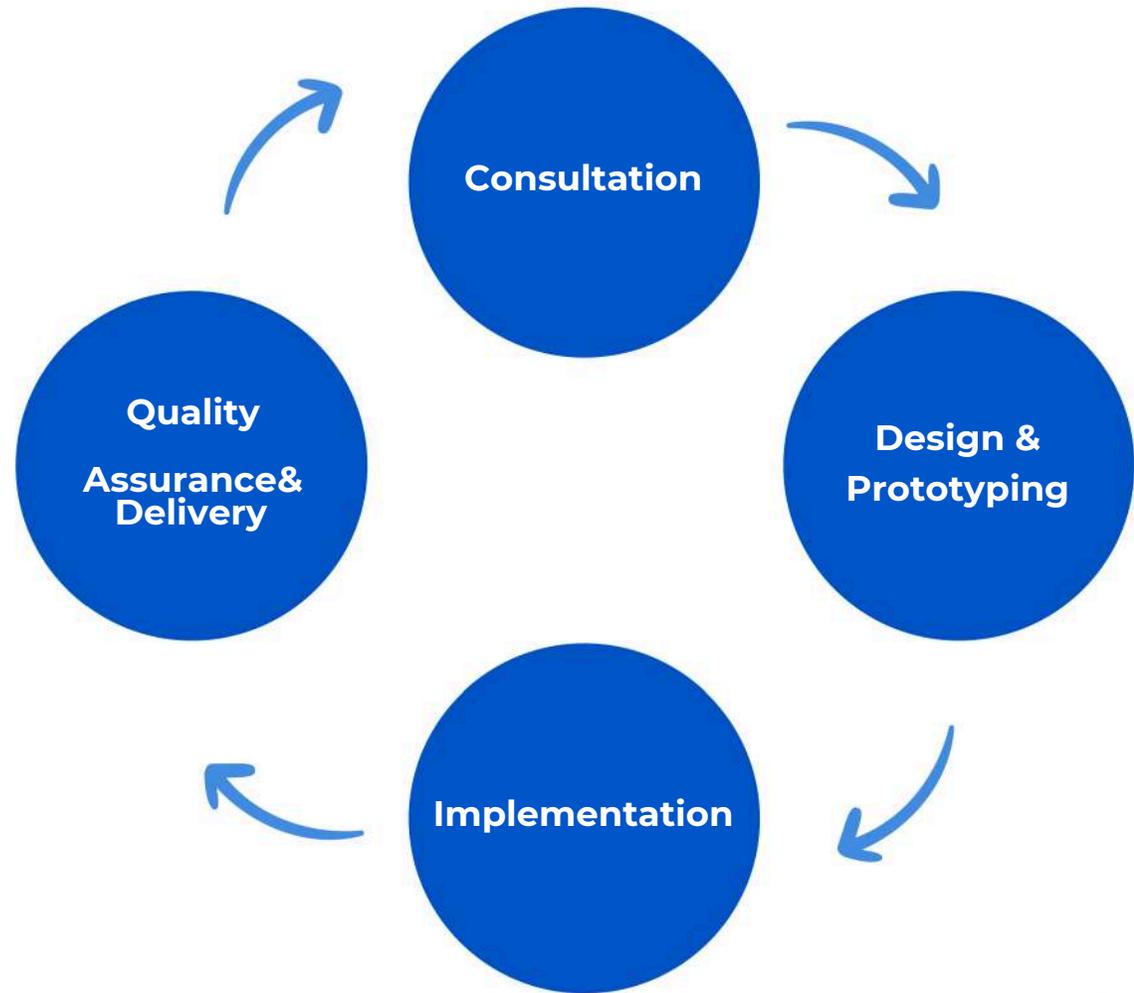
- Ultrasonic Testing (UT)
- Radio Grapy (RT)
- Hydro-Testing
- Positive Material Identification (PMI)
- Liquid Penetrate (LP)
- Thickness Testing



DESTRUCTIVE

- Chemical Analysis
- Mechanical Testing Flattening
- Bend Tests IGC Practice (Photomicrographs)
- Metallography Impact Testing
- Hardness Testing
- Post Weld Heat treatment (PWHT)
- Normalizing Solution Annealing
- Tempering Stress Revelling

WORKFLOW AND PROCESS



WE ARE **COMMITTED** TO
DELIVERING
EXCELLENCE



OUR FACILITY

UNIT 1

4,500 SQFT



- Machine Shop
- Quality Department
- Warehouse

UNIT 2

23,000 SQFT



- CA Qualified Accountants
- Design Engineers
- Jig & Fixtures
- Tool Design

UNIT 3

12,000 SQFT



- R&D Multiple
- Conference Facility
- Proto
- Parts Manufacturing

Complete List of Services

IN HOUSE

1. Precision Machining
2. Prototyping
3. Customized Parts Design & Manufacturing
4. CAM Programming
5. Plastic Injection Molding
6. Tool Room
7. Product Assembly
8. Automation & Robotics

Strategic Partner Services

1. Fabrication and Welding
2. Laser Engraving
3. Cutting Services
4. Surface Treatment



Industries Served



The Company is prepared to provide its services to different industries, within and outside of India. Because we handle end-to-end manufacture of industrial parts, we can produce an assortment of products fit for every and any customer.

1. Automotive
2. Food Industry
3. SPM For Packaging Industries
4. Defense and Ammunition
5. Petroleum – Oil & Gas
6. Consumer Market

Inhouse Machineries



CNC TURNING				
SR.NO	MAKE	BRAND	SPECIFICATION	Qty
1	CNC TURNING DX 200 3A	JYOTI	200 X 300	4
2	CNC -DX 200-3 B	JYOTI	200 X 300	2
3	CNC - DX250 A28	JYOTI	380 X 1000	1
4	TSUGAMI Mi08JL5-II	TSUGAMI	200X500	1
5	TSUGAMI Mi08JL8-II	TSUGAMI	200 X 800	1
6	CNC - LL20 TL 7	LMW	280 X 300	1
7	POLYGON CNC	POLYGON	60 MM HEX	1
Total				10
VMC MACHINE				
SR.NO	MAKE	BRAND	Table Size	QTY
1	VMC VF2 (4th axis)	HAAS	762 X 406 X 508 MM	4
2	VMC VF4(Tool Prob)	HAAS	1270 X 508 X 635 MM	3
3	VMC - 850	JYOTI	1000 X 510 X 510 MM	1
4	VMC -RX 20	JYOTI	820 X 500 X 500 MM	1
5	VMC - NUV 1370	JYOTI	1370 X 700 X 700 MM	1
6	MAZAAK -DP850	MAZAAK	820 X 500 X 500 MM	1
7	HMC SEKI	SEKI	400 X 400 X 400 MM	1
8	VMC 3 METER	PHILIPHS	3000*2200*2000 MM	1
9	VTL	MARONDO	1500 MM SWING CHUK	1
Total				14

Inhouse Machineries



CONVENTIONAL MACHINE SET UP				
SR.NO.	MAKE	YEAR	DETAILS	QTY
1	LATHE MACHINE 7 FT	2006	7 FEET	4
2	LATHE MACHINE 5 FT	2008	5 FEET	4
	M1TR MANFOLD	2023	1200 X 250 X 350 MM	1
3	M1TR MILING MACHINE	2008	1200 X 250 X 350 MM	5
4	UNIVERSAL MILLING MACHINE	2013	1400 X500X600MM WITH DRO AUTO FEED	3
5	MILING MACHINE	2014	1200 X 600 X 400 MM	2
6	SLOTING MACHINE 1	2015	INTERNAL SLOTING12" (300MM)	2
7	RADIAL DRILLING MACHINE	2015	MT 4 TO M38	3
8	DRILLING MACHINE 2	2015	1 1/2"	2
9	BANDSAW CUTTING	2016		2
10	HONING M/C	2017	52 MM TO 250 MM ,1500 MM FULL STROKE	1
11	CYCLINDER GRINDER	2024	1200 MM	1
12	SURFACE GRINDING	2024	1500 X 600 MM	1
13	EDM	2023	1000 X 500 mm	1
14	WIRECUT		700 X 1000 MM	1
15	AIR COMPRESSOR-	2023	15 CFA	1
16	D.G. SET 125 KVA	2018		1
17	FORKLIFT 1	2019	500KG	1
18	FORKLIFT 1	2019	300KG	1
19	SHRINK FIT	2023		1
Total				38

Machine Setup



VMC MACHINE = 12 Nos.

- **Model:HAASVF-4 & VMC VF2**
- Make country : USA
- Table Size: 1270X508X635
- Computer Numeric Control Unit : MitsubishiM80 A
- Spindle:B T40
- Spindle Motor : 10000 rpm
- Power : 105/191Nm
- A T C :31T ools
- Inline direct-drive Through spindle GB
- 4TH Axis with Rotary Table
- Probe Risk Block & Edge Sensor
- Application :- Precision & Critical Work



Machine Setup

Model:VMC 3MTR PHILIPS PDC-2232

- Make country : INDIA
- TableSize: 3000X2400X1000
- ComputerNumericControlUnit: MITSUBISHI M80A
- Spindle:BT50
- Power: 18.5/22Kw(310/525NM)
- SpindleMotor:6000RPM
- A TC:20T ools
- 90 degautomaticindexingheadwith auto transfer
- Maxload:10T o n
- Application:Die andMold



Machine Setup

BRAND:TSUGAMI JYOTI LMW

- Makecountry:JAPAN , INDIA
- Swing over bed: 515 mm
- Chuck dia. Max: 165 mm
- Max. Turning Diameter: $\varnothing 200^*$ 3 Jaw
- Max.TurningLength:300 to 1000mm
- Admit Between Centre : 350 mm
- Spindletype:A2-6& Fanuc0iTF& Tailstock
- with MT-5 Live center
- Spindle Speed : 4500 Rpm
- Spindle Motor Power : 9/11 Kw
- Accuracy X/Z : ± 0.001
- Application: High Precision for Medical and Valve Industry

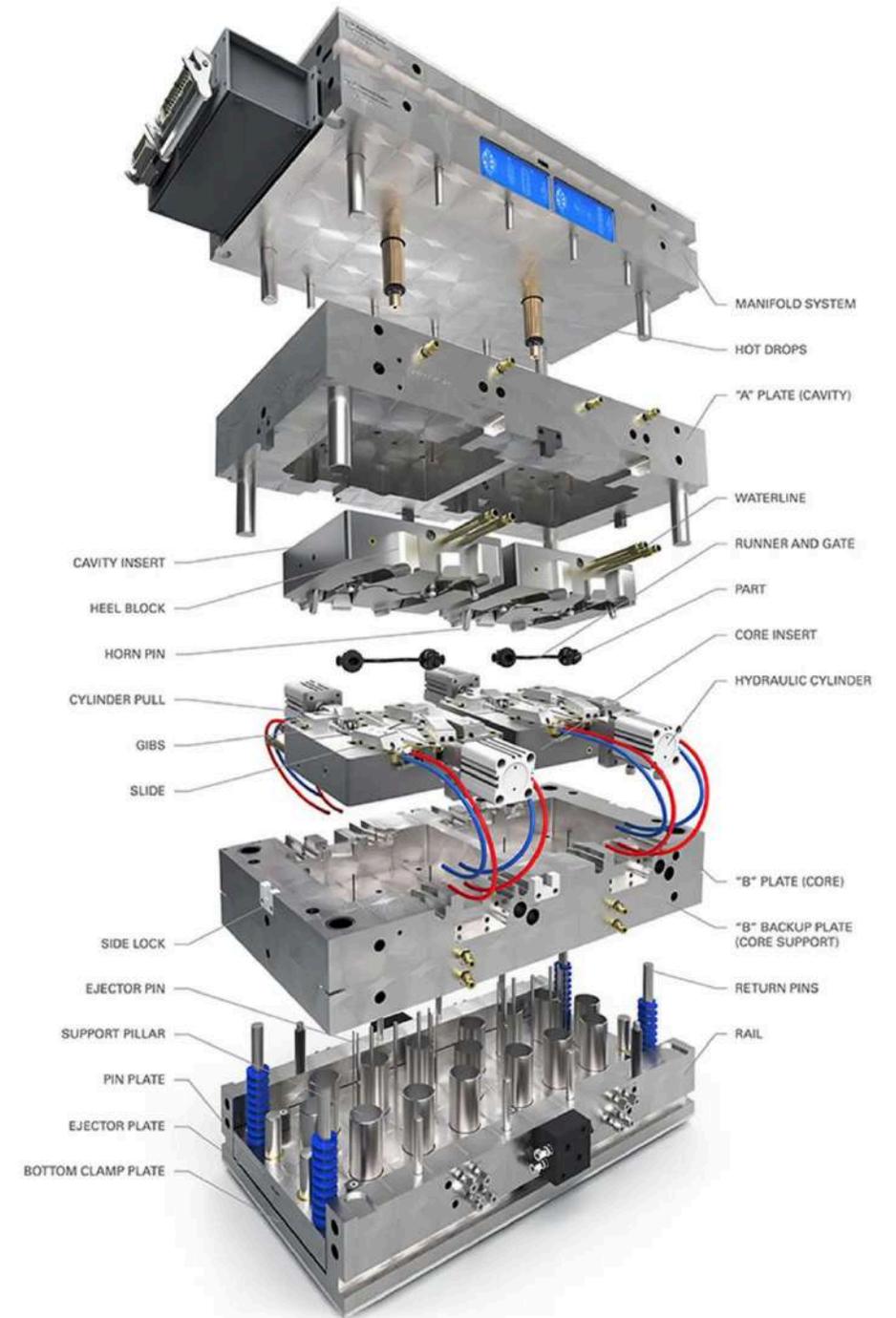
CNC TURNING CENTER = 11 QTY



PLASTIC MOULDING AND TOOL ROOM

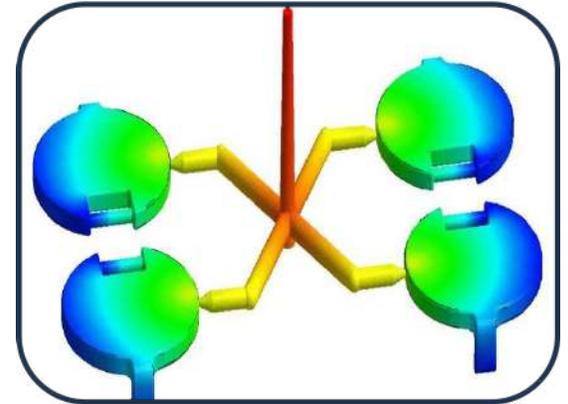
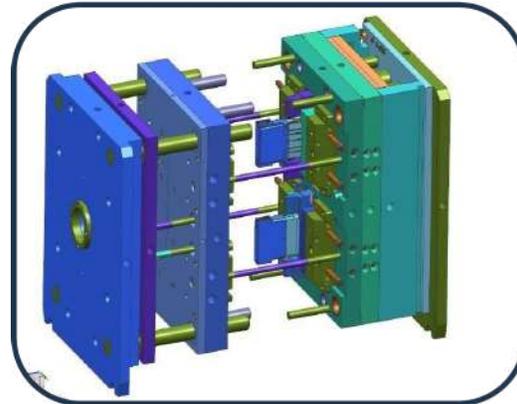
Precision Engineering PlasticPart Manufacturing

PLASTIC INJECTION MOULDING MACHINE				
SR.NO	MAKE	BRAND	DETAILS	QTY
1	VERTICAL PLUNGER TYEP	TEXTPLASST	TIE BAR 220 X 180 50 TON	2
2	VERTICAL SCREW INJECTION	SABA	TOGGLE HYDRAULIC PLASTICS MOULDING M/C 80 TON	3
4	HORIZONTAL INJECTION MOULDING	WINDSOR	TIE BAR 440 X 440 180 TON	2
5	HORIZONTAL INJECTION MOULDING	HAITIAN	TIE BAR 400 X 400 90 TON	1
6	HORIZONTAL INJECTION MOULDING	HAITIAN	TIE BAR 550 X 550 200 TON	1
7	HORIZONTAL INJECTION MOULDING	HAITIAN	TIE BAR 550 X 550 200 TON	1



Products

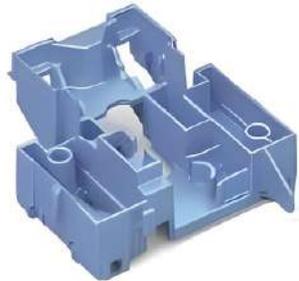
InjectionMoldingDiesAnd TheirPlasticProducts



INJECTION MOULDING



INJECTION MOULDING MACHINE = 12 NOS



Machine Model		UN-90SK-II	UN-200SK-II
Injection Unit		IU295	IU895
Clamping Type		Toggle	Toggle
Tonnage	Ton	90 Ton	200 Ton
Screw Dia.	mm	30	48
Shot wt. in PS	Gr.	107	391
Injection Pressure	Bar	2528	1336
Platen Size (HxV)	mm	545x545	755x755
Tie Bar distance(HxV)	mm	360x360	510x510
Min. Mold Height	mm	130	180
Max.Mold Height	mm	350	520
Opening Stroke	mm	320	460
Total Daylight	mm	670	980



Surface Grinding Machine



SURFACE GRINDING MACHINE

Machine Specifications

CAPACITY		PH 2060
Max. Table Size	mm	500 x 1500
Max. Longitudinal Travel	mm	1575
Max. Cross Transverse	mm	550
Max. Spindle Center Height above Table	mm	550
Max. Table Speeds	m/min.	5-25
Power Cross Transverse	mm/min	1000
Auto Cross Feed at each Table Reversal (Infinitely variable)	mm	0.5 to 5
Least Count of Vertical feed head wheel	mm	0.002
Size of Grinding Wheel	mm	350 x 50 x 127
Power of Spindle Motor	HP	7.5
Speed of Grinding Spindle	RPM	1440
Working Pressure	Kg/Cm	20
Hydraulic Motor	HP	5
Hydraulic Tank Capacity	Liters.	150



EDM

electronica
Poddar Group

Electric Discharge Machine MODEL "YUVA 1050 ZNC"

electronica
YUVA SERIES – ZNC

Machine Tool	Yuva 1050
X AXIS TRAVEL (m.m.)	600
Y AXIS TRAVEL (m.m.)	450
Z AXIS TRAVEL (m.m.)	250
WORKTABLE SIZE X (m.m.)	1000
WORKTABLE SIZE Y (m.m.)	500
MAX PERMISSIBLE LOAD ON TABLE (k.g.)	1500
MAX ELECTRODE WEIGHT (k.g.)	100
DAYLIGHT (m.m.)	770
SHUTHEIGHT (m.m.)	320
WORK TANK INTERNAL DIM (X) (m.m.)	1420
WORK TANK INTERNAL DIM (Y) (m.m.)	850
WORK TANK INTERNAL DIM (Height) (m.m.)	550
DIELECTRIC CAPACITY (Ltrs.)	600
Generator (Amps)	50
M.R.R. Cu-Steel mm ³ /min	350
M.R.R. Gr-Steel mm ³ /min	500
Minimum Electrode wear%	0.2
Targeted Best Finish	0.8 / 0.3 mRa on steel
X, Y Screw	Precision drive Screw**
Z Screw	Lead Screw
Servo X, Y	NA (manual)
Guide Way XY	LM
XY Movement	NA (manual)
Servo Z	DC Servo / AC Servo
Guideway Z	CRB
Back Slide	LM (Motorized)
Jump Speed Z Mtr/Min (NC)	1.5
Jump Speed Z Mtr/Min (ZNC)	2
Pump Motor (HP)	1 HP

Features :

- Column Movement Machine
- Double Door Opening
- Compact Foot Print
- Low Working Height
- Ball screw for X, Y axes
- PNC & X Y individual sparking (Optional)
- Z Axis AC servo
- Best surface finish : 0.3 μ Ra



WIRECUT



Cnc Wire Cut Edm Machine

TABLE / SPECIFICATION

Item	Parameter
• model	• SF 40 series
• Cutting power supply	• High frequency power supply system
• Control system	• LQCUT
• X, Y axis travel	• 400*500
• U and V axis travel	• +30mm, LM guide
• Machining taper/machining taper	• ±10°/80mm
• Maximum straight cutting height	• 300mm (Z-axis linear guide rail electric lifting)
• Maximum load capacity	• 800kg
• Motion axis motion resolution	• 0.001mm
• Bidirectional positioning accuracy	• ≤0.01mm
• Repetitive positioning accuracy	• \$0.005mm
• Reverse clearance	• \$0.005 mm
• Verticality of wire and workbench	• ≤0.01mm
• Radial runout of wire storage cylinder	• ≤0.005mm
• Diameter range of molybdenum wire	• 0.12-0.22mm
• Wire feeding speed range	• 1-12m/s
• Maximum processing current	• BA
• Maximum machining efficiency Cr12, H=60mm	• 2200 mm ² /min
• Molybdenum wire loss Cr12, H=40mm	• ≤0.02mm/300000mm ² ,
• communication Interface	• LAN, RS232, USB
• Rated power of electrical appliance	• \$3kW
• Multiple cutting accuracy Cr12, H=40mm, 15mm octagonal	• s+0.004mm
• Surface roughness(Straight cutting, H ≤ 40mm)	• cut Ras2.5pm. cut Ras1.6pm cut Ras1.0pm

STANDARD ACCESSORIES

- High Pressure coolant tank
- Ceramic nozzle
- Steel Cover
- Lifting motor for Z-Axis
- Guider (Z axis)
- Tool Box
- Ball Screw in X & Y Axis
- Wire tighten pulley



2.HIGH-FINISH
Ra0.8 μm - Ra1.0μm
H ≤ 40mm



1.HIGH-SPEED
≥200 mm²/min
(Cr12, H=60mm)

QC LAB Facility

Sr S.No	Range	Qty.	Make	
1	Tri-Mos(height)	0to600mm	2	TRIMOS
3	DigitalVarnierCaliper	0-600MM	15	AEROSPACE
4	EXTERNALMICROMETER	0-225MM	8	YAMAYO
5	DigitalHeightGauge	0-300MM	2	YAMAYO
6	DFTMeter	100Micron	1	BAKER
7	VERNIERDEPTHGAUGE	0-300MM	3	Baker

S.No	NameofInstrument	Range M 8X	Qty.	Make
1 2	ThreadRingGauge	1.25-6g	8	Baker
3 5	LeverTypeDialGauge	10MM 0-10	7	Baker
6 7	PLUNGERDIALGAUGE	MM 0-300	7	Baker
8 9	VERNIERDEPTHGAUGE	MM M24X3-	3	Baker
10	THREADPLUGEGAUGE	6H Multiple	8	PRECISION
	TRGNOGO/GO	Size .001Ra	31	BAKER
	SurfaceRoughnessTester	till 2meter	4	Trimos
	SURFACEPLATE	160-250MM	5	Micron
	BOREGAUGE		10	YAMAYO

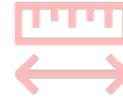


Quality Management



Quality

Trimos



Quality Assurance

Metrics, Corrective, Preventive



Quality Planning

Cost Benefit, Benchmarking,
Cost of Quality, Quality Management Plan



Quality Control

Audit, Analyst, Checklist

Products

SPECIALIST IN MACHINING



Machining of Casting and Forging Products

Export Quality Forging + Machining Parts.



Cold Forged Steel



Open Die Forgings



Closed Die Forgings



Closed Die Forgings



Closed Die Forgings

Export Quality Casting + Machining Parts.



Investment Casting



GDC Casting



Cast Iron (CI) Casting



GDC Casting



PDC / L PDC

Our Manufactured Parts are used in



Butterfly valve



Electric motor



Coffee Roaster Machine



Electrical Actuator



Diamond Setting Machine



EV Spare Components



High Pressure Ball Valve



Plastics Components used in Automobile

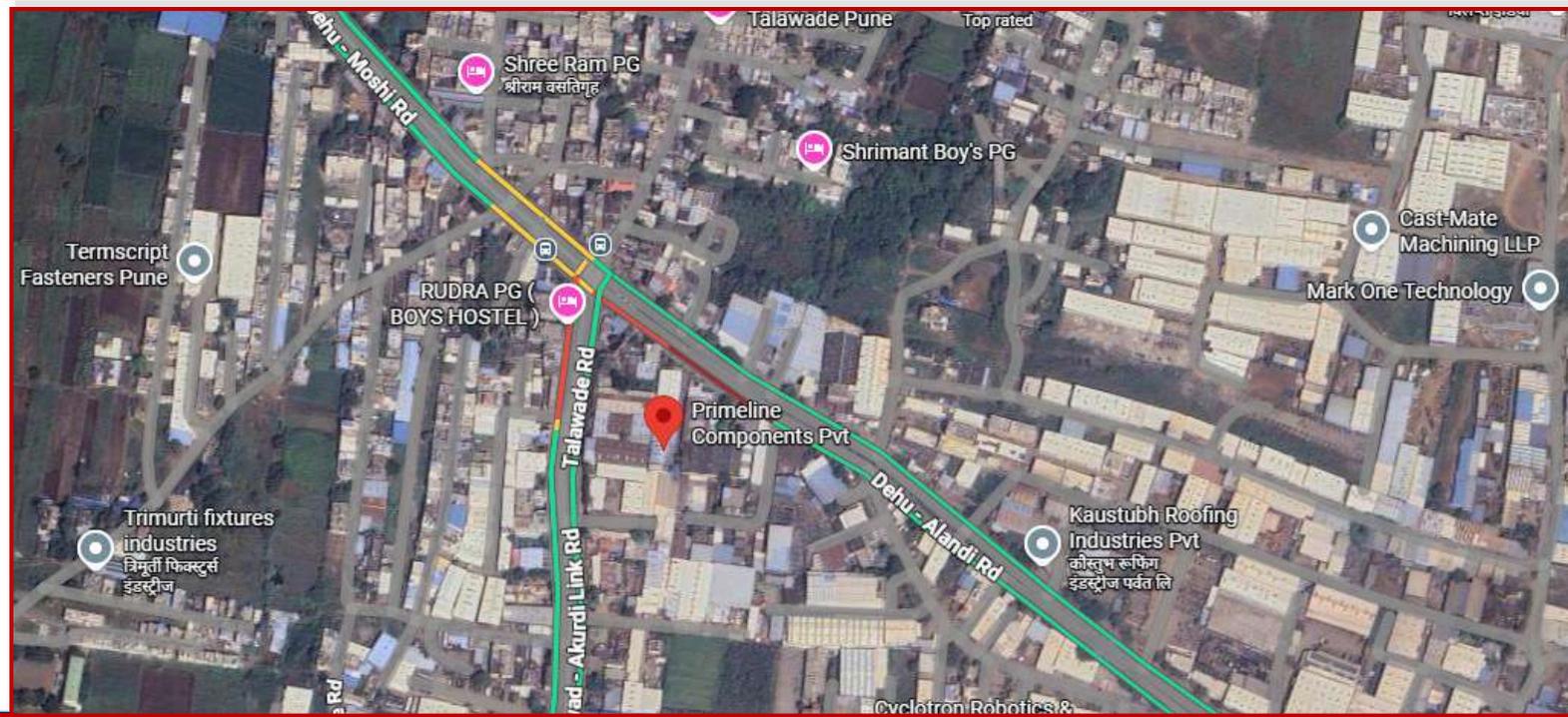
Our valuable Customers

Some of our Prominent Customer with our group companies



Contact

If you are curious to learn more about what we can offer for your next project, get in touch — we are happy to answer any questions about your creative requirements.



ADDRESS

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THANK-YOU

PROUDLY MADE IN INDIA

