



A DIVISION OF ABHANG GROUP

RAJA PLASTICS AND ENGINEERING COMPANY





Trusted manufacturing company specializing in producing consumer innovations.

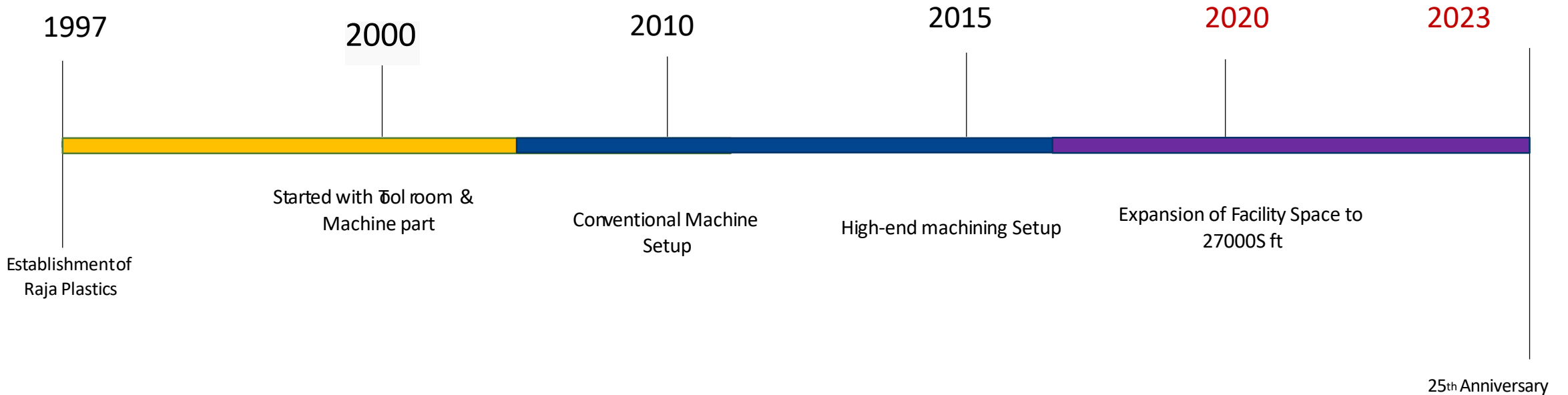
MULTIPURPOSE MANUFACTURING UNIT

Machinist Expert & Customized Projects



ISO
9001
QUALITY
ASSURANCE

About Us



Established in Pune India, in **1997**, the company first began as a Plastics products Manufacturer Later, we began to manufacture Dies and Molds & Core Engineering Metal components Part Maker We are a Family of 79 and Strive to Expand more. Today, we have expanded to provide for the needs of the automotive, mechanical, and electronic goods sectors.

We produce customized goods to fit the industrial parts needs of any business, making sure that every single product we manufacture is of the highest quality

Since the inception, the leaps and bounds growth of our organization has consistently been characterized by our long-standing relationship with globally renowned OEMs, which we take immense pride in.

Company Vision Mission

Vision

To become a company that constantly strives for customer satisfaction by providing best solutions with global benchmarks and to be a company which integrates Health, Safety and Environmental considerations into all its business decisions and activities.

Mission

Our mission is to enable economic growth through development, and to provide solutions that support communities and protect the planet. We apply innovation and technology to improve the sustainability performance of products, services, solutions and operations.





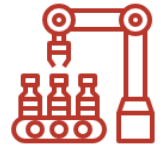
Our Key Attributes



Wide Range Of Products On Time Delivery Quality Assure
Product Range Sound Infrastructure



Highly Efficient Workforce Recognition The Parts And
Requirement Selection Of Raw Material As Per
Recommitted Or As Per Requirement.



Designing Department Manufacturing The Parts Quality
Check

CHASING EXCELLENCE WITH **INNOVATION**

CONTINUOUS

IMPROVEMENTS & UPGRADING TO
ADVANCED TECHNOLOGIES

**WE ARE COMMITTED TO
DELIVERING
EXCELLENCE**



OUR FACILITY

3000 SQFT
UNIT 1



- Machine Shop
- Quality Department
- Storage Facility

23000 SQFT
UNIT 2



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

20000 SQFT
UNIT 3



- R&D
- Multiple Conference Facility

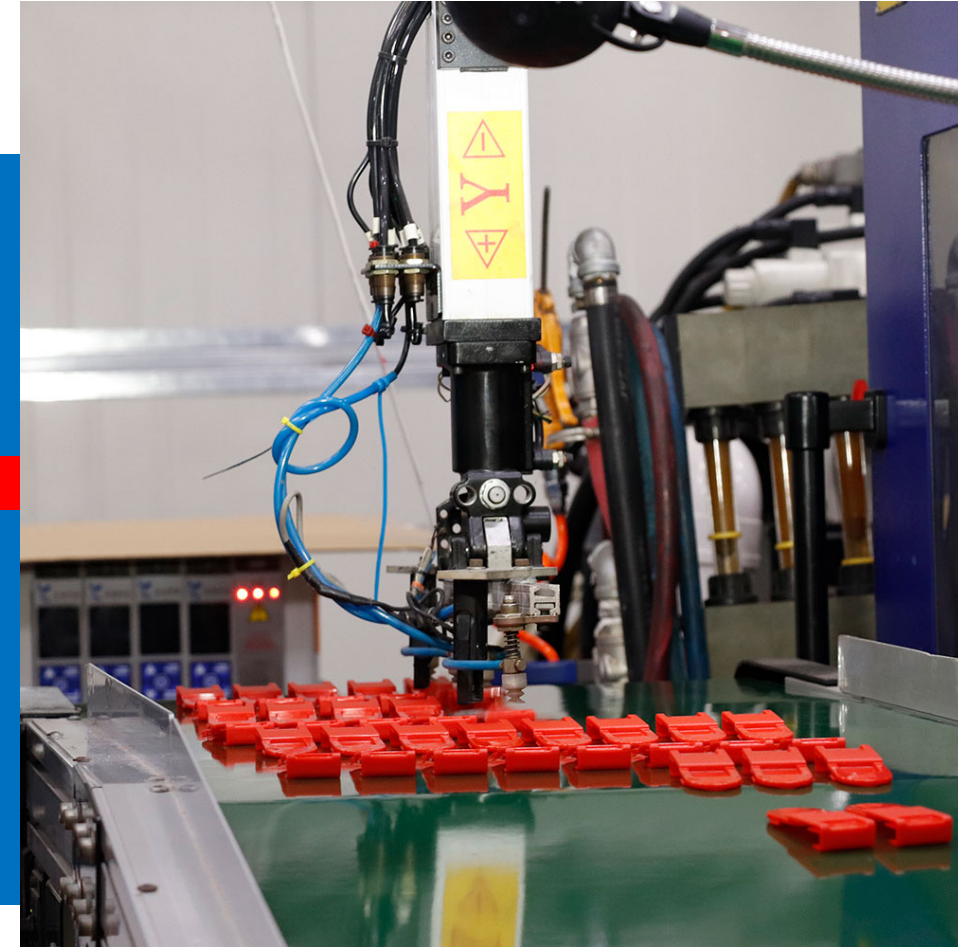
Complete List of Services

IN HOUSE

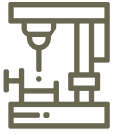
1. Precision Machining
2. Lathe & Milling
3. VMC , CNC , HMC
4. Customized Parts Design
5. CAD | CAM Programming
6. Plastic Injection Molding
7. Product Assembly

Strategic Partner Services

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



Services



Precision Parts Manufacturing

Parts are produced through precise and fully automated machining equipment, allowing for mass production without a loss in quality. Our trained technicians and operators also make sure that all parts we produce should meet customers' needs & industry Standard.



Customization and Prototyping

We have an in-house team that will conceptualize and Develop the parts that meet customers' needs. Once we understand your requirements, we will handle everything from Prototyping the parts to producing the requested volume.



Parts and Product Sub Assembly

Streamline your operations by letting us assemble your products for you. We also provide welding, fabrication, and laser engraving services to bring your design from idea to finished product at a much faster pace.

OUR USP



Excellent Communication

- Swift response within 12 hours
- Deeply understand customers' requirement
- Available at video meeting, skype, phone call
- Sample Images before shipment
- Weekly project update



Solid Engineering Support

- Free molding DFM analysis
- Material suggestions
- Muti material trials available
- Rich experience engineers for project management
- Risk remind before tooling start
- Positive & feasible solutions when an issue



Strict Process Control

- Tooling & molding issues forecasted
- Final DFM review & Tool design review before mold making
- On site process check and control
- Injection Molding Parameters record
- No regrind material used
- SOP documents for production control



Strict Quality Control

- ISO 9001:2015 certified
- All material with CoC documents
- FAI reports for mold trial & production start
- Production on-site check with master sample & critical dimensions
- SIP document for quality control
- 100% cosmetic check



Aggressive Turn-around Time

- Days for rapid tooling
- Competitive tool making lead time
- Aggressive at tooling modification
- Swift at plastic injection molding production
- Always there to answer your questions or concerns



Flexible at Special Requirement

- No MOQ requirement
- Project accelerated available
- 3D scanning & prototype development
- Mechanical design for simple product
- Soft assembly & packaging



How It Works : Plastic Injection Molding Services

From prototyping molding to mass production, we offer over 26 years of injection molding manufacturing expertise in every step of the process.



1. Project Info. Collection



2. Molding Quotation



3. Molding DFM Analysis



4. Tool Design



5. Mold Making



6. Mold Trial



7. Sample Submission



8. Sample Improvement



9. Samples Approval



10. Molding Production

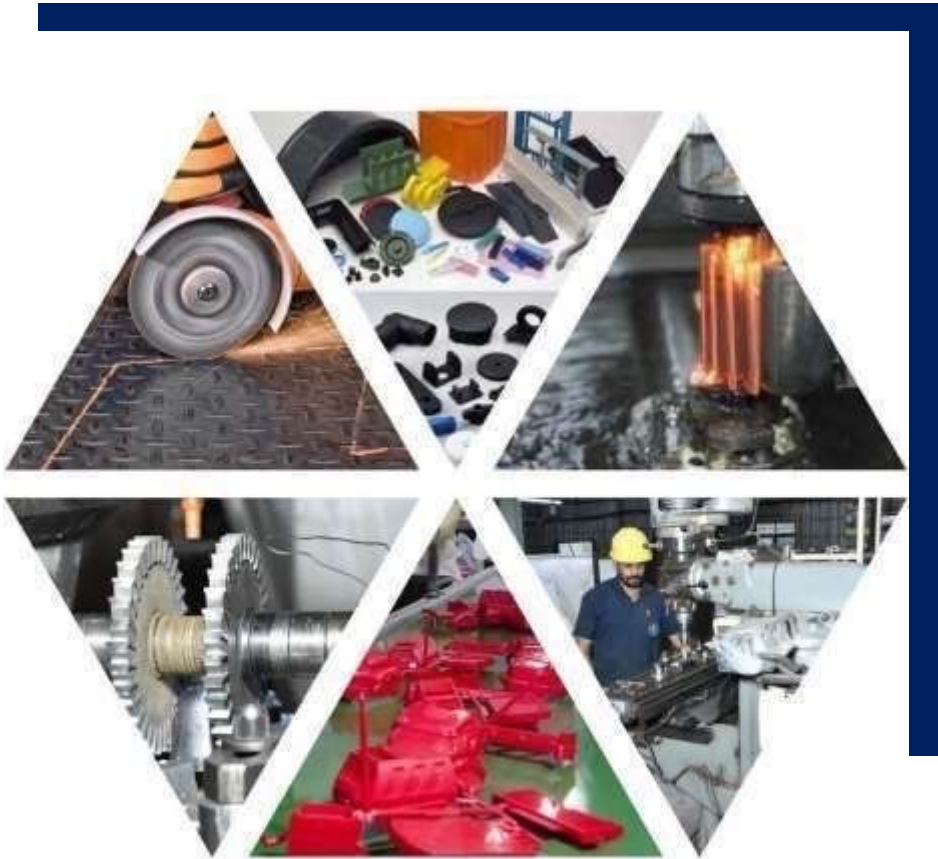


11. Quality Check



12. Parts Shipment

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

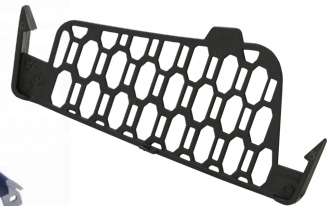
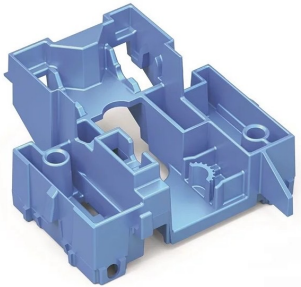
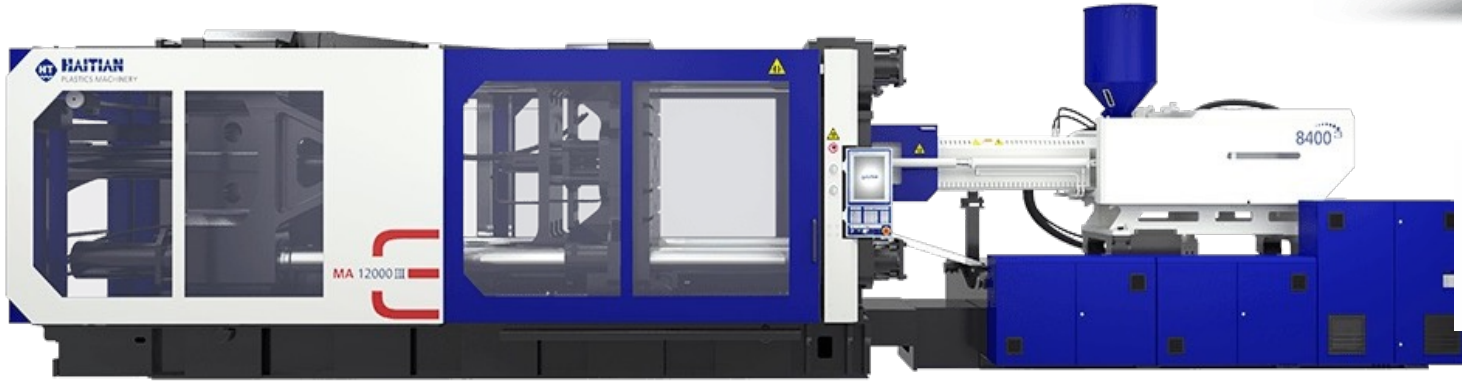
1. Oil & Gas
2. National Defense
3. Automobile
4. Food Packing
5. Pharma
6. Consumer Market

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	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
Total				10

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

VMC MACHINE				
SR.NO	MAKE	BRAND	Table Size	QTY
1	VMC VF2	HAAS	762 X 406 X 508 MM	4 (4TH AXIS)
2	VMC VF4	HAAS	1270 X 508 X 635 MM	3 (With Tool Prob & 4th Axis)
3	VMC - 850	JYOTI	1000 X 510 X 510 MM	4TH AXIS
4	VMC -RX 20	JYOTI	820 X 500 X 500 MM	1
5	VMC - NUV 1370	JYOTI	1370 X 700 X 700 MM	BT50 + 4TH AXI
6	MAZAAK -DP850	MAZAAK	820 X 500 X 500 MM	DOUBLE PALLET
7	HMC SEKI	SEKI	400 X 400 X 400 MM	DOUBLE PALLET
8	VMC 3 METER	PHILIPHS		1
9	VTL	Schiess	1500 MM SWING CHUK DIAMETER	1

Machine no : 025

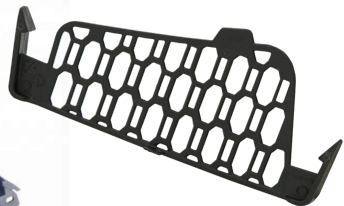
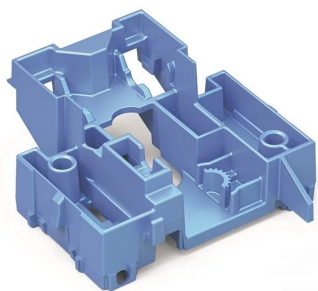


Machine Model		UN-90SK-II	UN-200SK-II
Injection Unit		IU295	IU895
Clamping Type		Toggle	Toggle
Tonnage	Ton	90 Ton	200 Ton
Screw Dia.	mm	30	48
Shot wt. in PS	Gr.	107	391
Injection Pressure	Bar	2528	1336
Platen Size (HxV)	mm	545x545	755x755
Tie Bar distance(HxV)	mm	360x360	510x510
Min. Mold Height	mm	130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



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



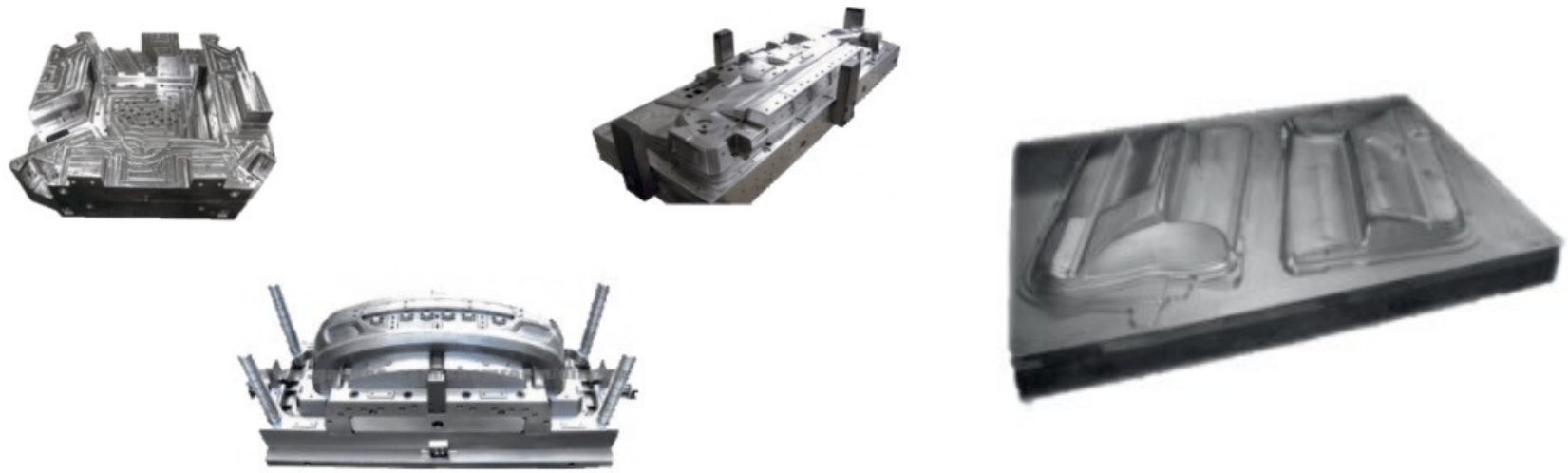


Machine Model		UN-90SK-II	UN-200SK-II
Injection Unit		IU295	IU895
Clamping Type		Toggle	Toggle
Tonnage	Ton	90 Ton	200 Ton
Screw Dia.	mm	30	48
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Opening Stroke	mm	320	460
Total Daylight	mm	670	980



Model: VMC VIRAT- 3000

- Make country : INDIA
- Table Size: 3000X2400X1000
- Computer Numeric Control Unit : MITSUBISHI M80A
- Spindle : BT 50
- Power : 18.5/22 Kw (310/525NM)
- Spindle Motor : 6000 RPM
- ATC : 20 Tools
- 90 deg automatic indexing head with auto transfer
- Max load : 10 Ton
- Application: Die Mold & Heavy Components



- Model : SPARKONIX F50 CNC EDM



- Model : Automatic CNC Wire Cut Machine



- **Model: VMC Yamakazi Mazak Double Pallet S800D**
- Make Country : JAPAN
- Table Size: 800X700X700
- Computer Numeric Control Unit : Fancu - Oi MF (Version)
- Spindle : BT 40
- Spindle Motor : 11/15kW, 6000rpm,
- Power :105/191Nm
- ATC : 30 Tools
- Double Pallet





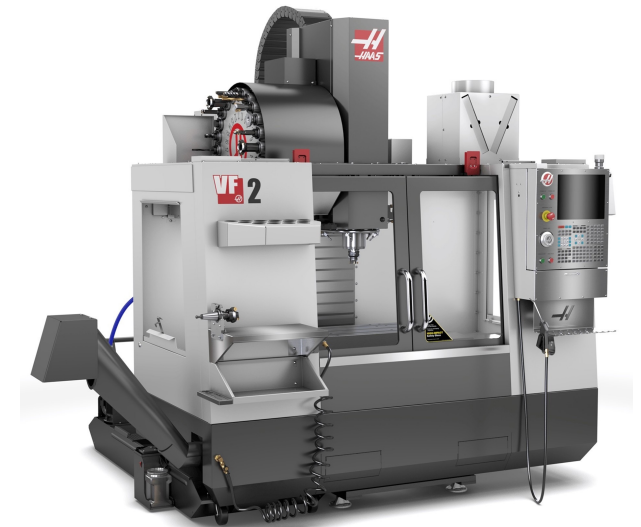
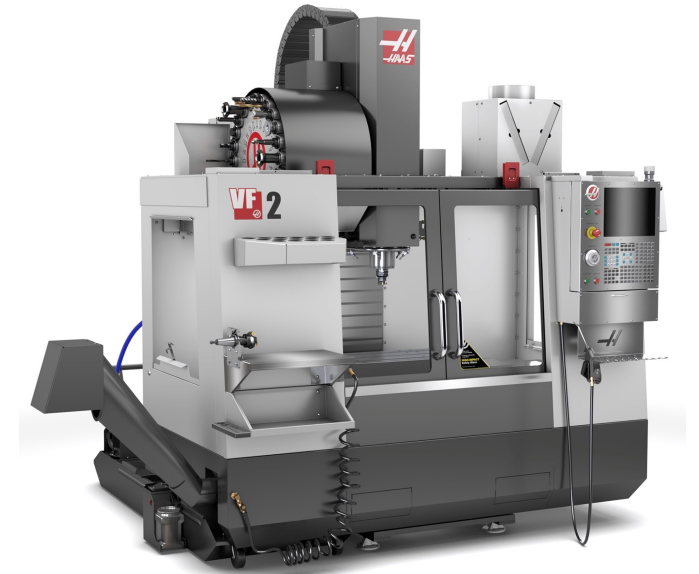
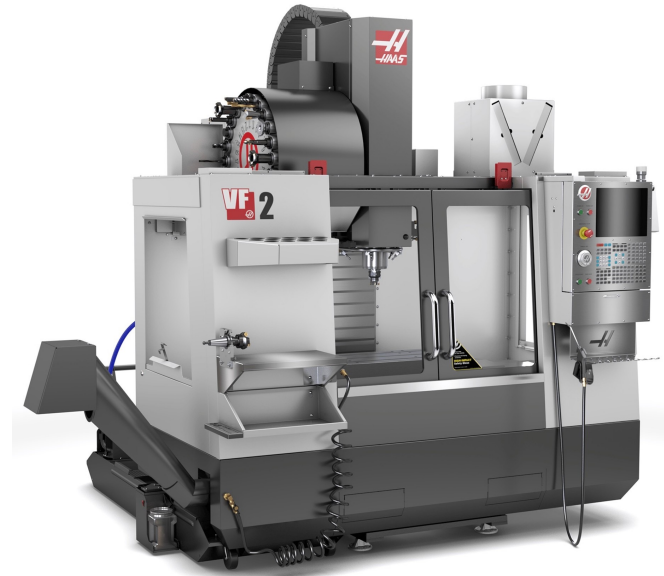
Hitachi Seiki Gmbh.

Machine no : 009

- **HC400 Double Pallets Changer HMC Horizontal Machining Centre (Fanuc 16m)**
- Table Size:
- 450X450X450Spindle : BT 40
- Spindle Motor : 11/15kW, 6000rpm,
- Power :105/191Nm
- ATC : 100 Tools
- Double Pallet



- **Model: HAAS VF-2s x 4 nos**
- Make country : USA
- Table Size: 726X406X508
- Computer Numeric Control Unit : HAAS M130
- Spindle : BT 40
- Spindle Motor : 10000 RPM
- Power : 122.0 Nm @ 2000 rpm
- ATC : 25 Tools
- Inline direct-drive Through spindle GB
- Application : Automobile & Medical Precision Components , Electrode



- **Model: TSUGAMI Mi08JL5-II**
- Make country : JAPAN
- Swing over bed: 510 mm
- Chuck dia. Max: 250 mm
- Max. Turning Diameter: $\varnothing 280$ * 4 Jaw
- Max. Turning Length: 300 mm
- Admit Between Centers : 350 mm
- Spindle type: A2-6 & Fanuc Oi TF & Tailstock with MT-5 Live center
- Spindle Speed Rpm: 4500
- Spindle Motor Power: 9/11 Kw
- Accuracy X/Z : ± 0.001
- Work Specialty : Precision Turning Medical and Aero Space

Machine no : 16



Machine no : 17



QC LAB Facility

Sr	S.No	Range	Qty.	Make
1	Tri -Mos (height)	0to 600mm	2	TRIMOS
3	Digital Varnier Caliper	0-600 MM	15	AEROSPACE
4	EXTERNAL MICROMETER	0-225 MM	8	YAMAYO
5	Digital Height Gauge	0-300MM	2	YAMAYO
6	DFT Meter	100 Micron	1	BAKER
7	VERNIER DEPTH GAUGE	0-300 MM	3	Baker

S.No	Name of Instrument	Range	Qty.	Make
1	Thread Ring Gauge	M 8X 1.25-6g	8	Baker
2	Lever Type Dial Gauge	10 MM	7	Baker
3	PLUNGER DIAL GAUGE	0-10 MM	7	Baker
5	VERNIERDEPTHGAUGE	0-300 MM	3	Baker
6	THREAD PLUGE GAUGE	M24X3-6H	8	PRECISION
7	TRG NO GO /GO	Multiple Size	31	BAKER
8	Surface Roughness Tester	.001Ra	4	Trimos
9	SURFACEPLATE	till 2meter	5	Micron
10	BOREGAUGE	160-250MM	10	YAMAYO

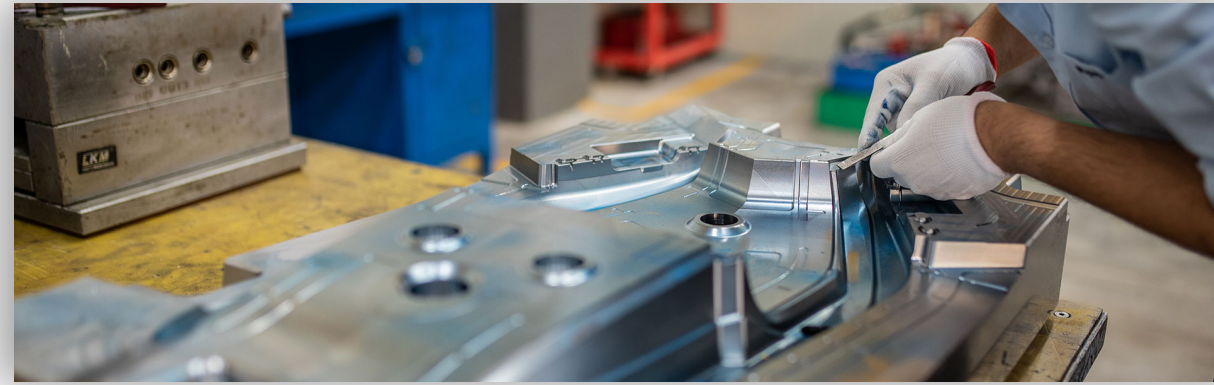


Product Catalogue

Products

Metals

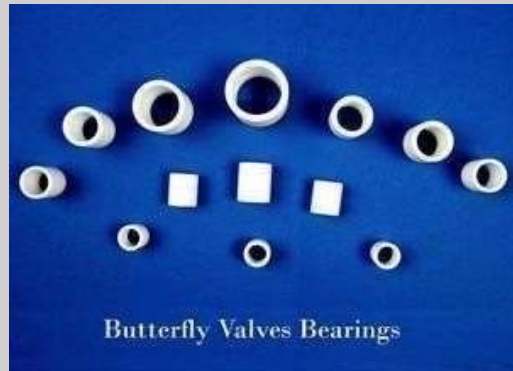
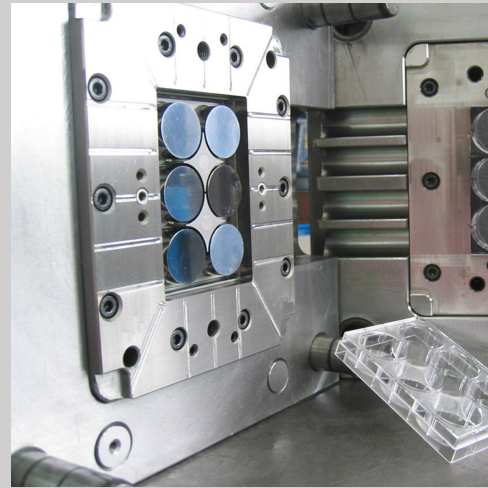
Components we manufacture



Products

Injection Molding die& Plastics products

Injection Molding Dies And Their Plastic Products



*Actual Photograph

Our Manufactured Parts are used in



Butterfly valve



Electric motor



Coffee Roasting Machine



Electrical Actuator



Diamond Setting Machine



EV Spare Components



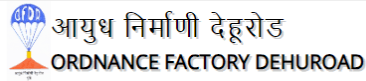
High Pressure Ball Valve



Plastics Components used in Automobile

Our valuable Customers

Some of our Prominent Customer

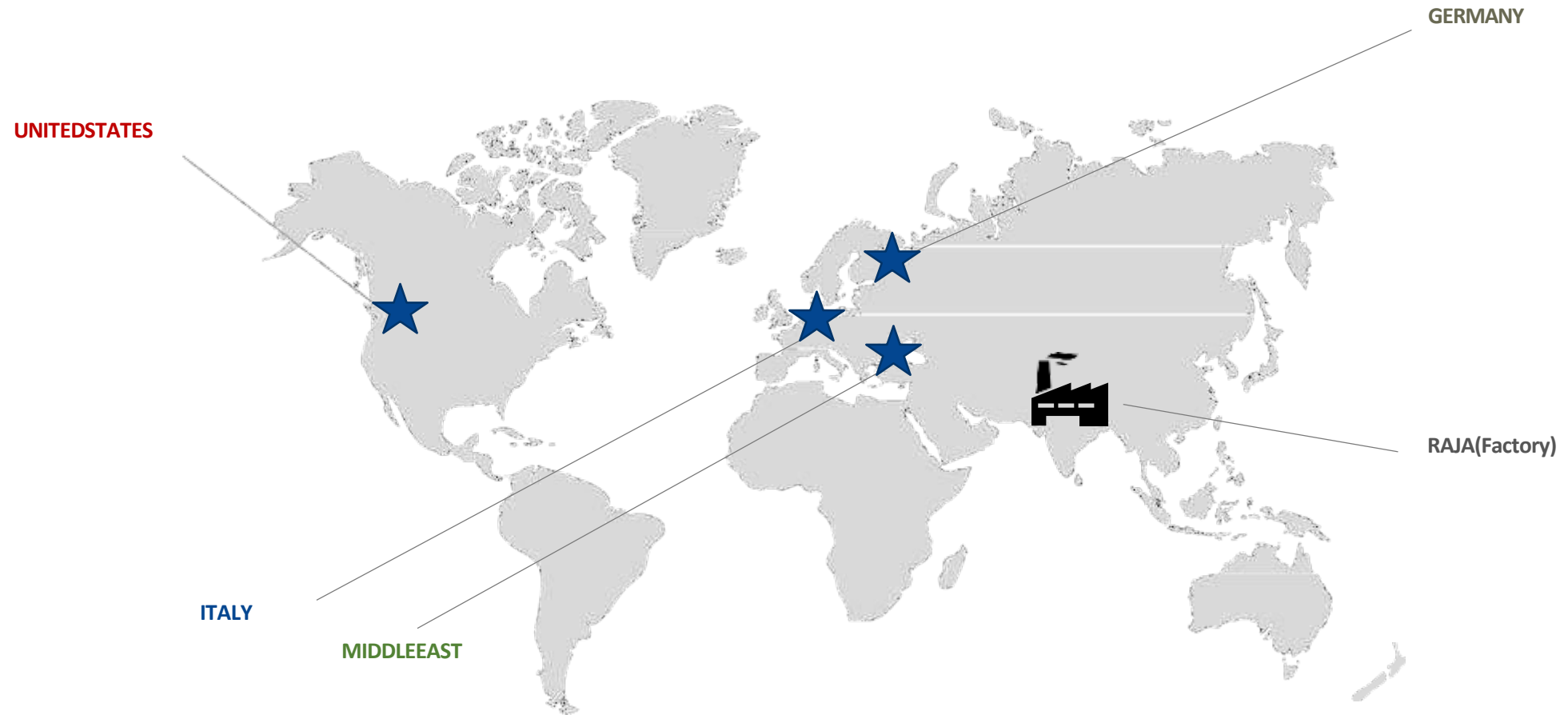


Indian Ordnance Factory



Global

We Export to Following Countries and Expanding over the Global



Certification

Our Certification is various aspects of quality management



ISO 9001-2015 Certified by TUV AUSTRIA



Contact

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



PUNE INDIA



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THANK-YOU

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