



◆————— *You think, We make it...* —————◆

# Why RP Pattern?

- Team with 28+yr of experience in pattern manufacturing's
- 108 for industries
- Our guidance and suggestions are matter for the final product to be made for the casting.
- In-house fully equipped production facilities.
- Having 20+ members strength (skills + un-skills)
- Best & Quality things can't be cheaper.

# Our Services



*You think, We make it..*



## **All types of pattern**

Comprehensive pattern manufacturing for diverse industries, ensuring precision and attention to detail



## **Casting Procurement**

Efficient and reliable sourcing of high-quality castings, ensuring timely delivery and quality standards.



## **SPM Designs with Durability**

Customized Special Purpose Machines (SPM) designed for durability, efficiency, and optimized production



## **Machining**

Precision machining services delivering high-quality components and parts to meet your specifications



## **Casting Defect Solution with Simulation**

Advanced simulation techniques to identify and rectify casting defects, optimizing quality and processes



## **3D Scanning**

Accurate 3D scanning services for reverse engineering, prototyping, and quality control.



## **Various Modeling**

Comprehensive modeling services including CAD, CAM, and CAE, supporting efficient design processes



## **Designing Solution at One Stop**

Creative and functional one-stop designing solutions from concept to final design





# About RP Pattern

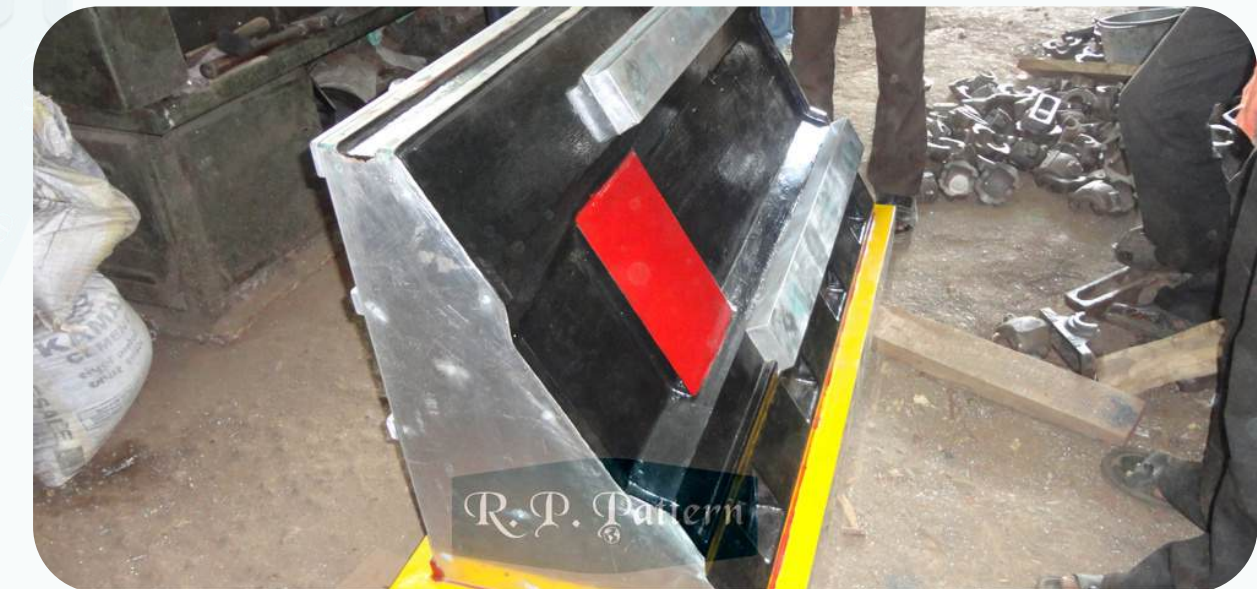
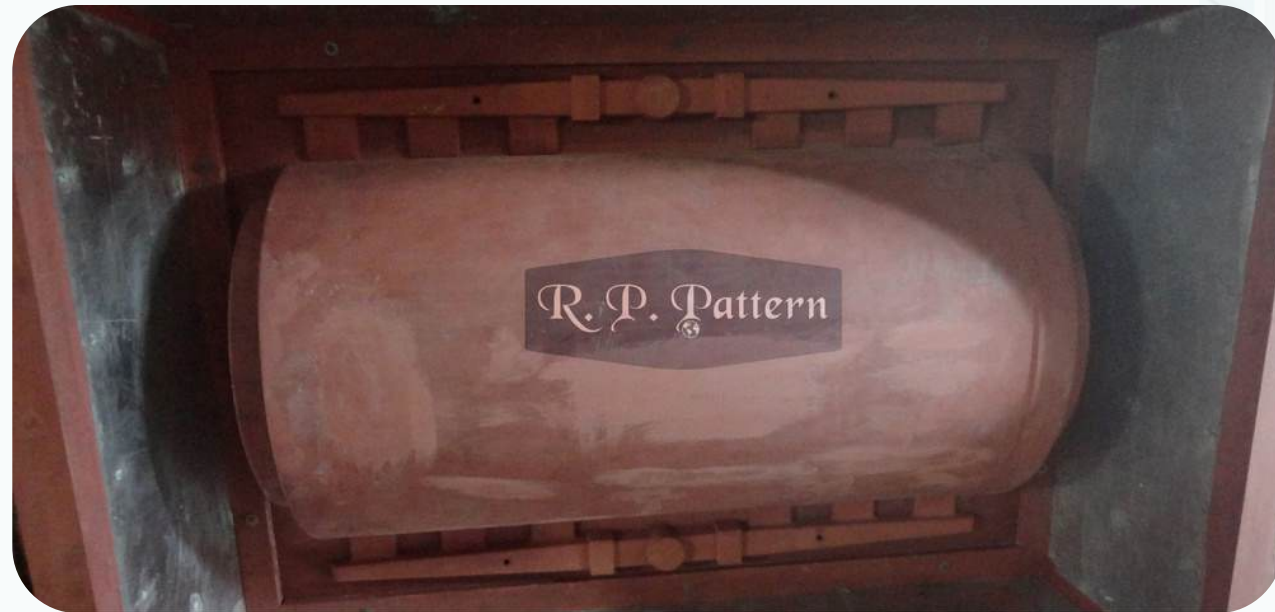
R P Pattern is a leading manufacturer of high-quality patterns in aluminium, wood, styrofoam, gun metal brass SGI patterns, cast iron patterns, and complete casting solutions.

We have been in business since 1996 and have a proven track record of providing our customers with the highest level of service.

Our patterns are typically correct on the first attempt with an accuracy of 95% or higher.

# Wood Pattern

Wooden foundry pattern making involves creating precise wooden models used for casting metal parts.





# Aluminium Pattern

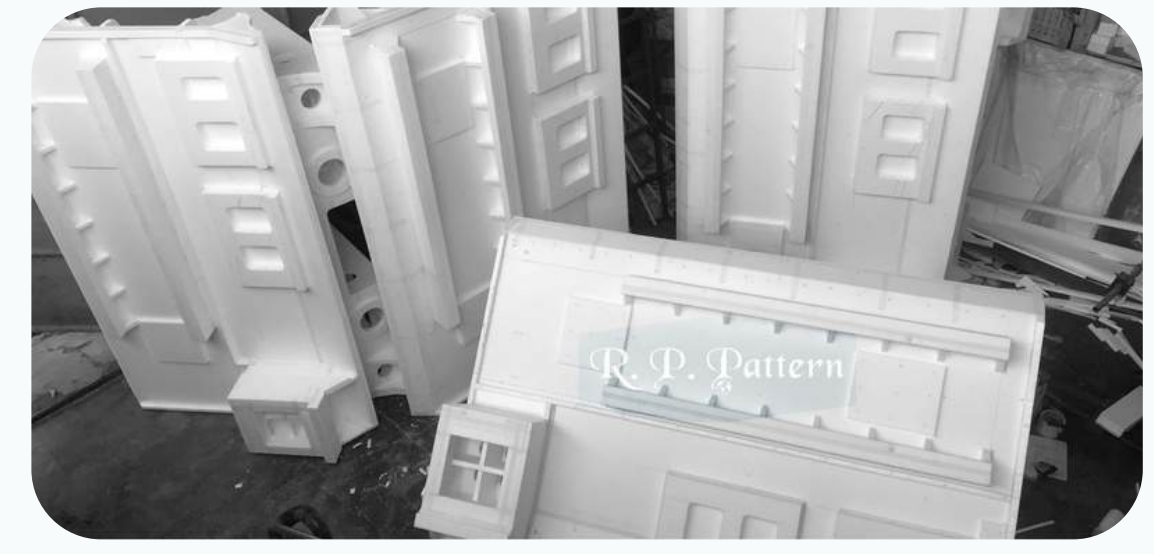
Aluminium casting involves melting the metal and pouring it into a mold made from various materials using patterns or models to form the shape of the final part.





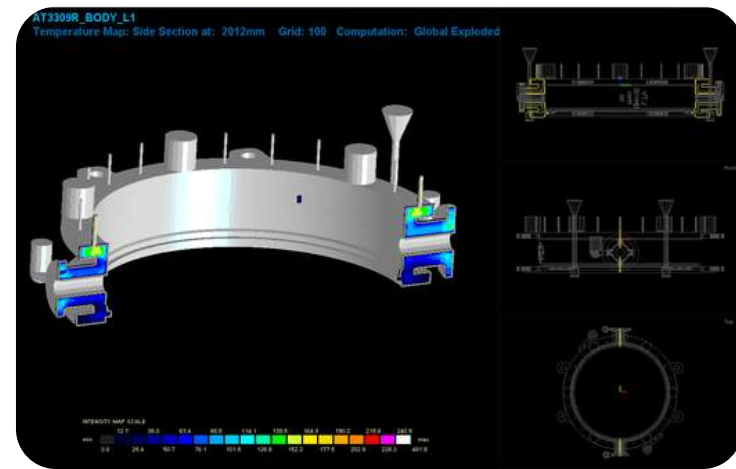
# Styrofoam Pattern

Styrofoam pattern making involves shaping expanded polystyrene foam into precise models used for creating molds in casting metal parts.





# Other Services



## Casting Simulation

We specialize in creating custom solutions to meet your unique casting needs.



## Presice in Machining

Precision machining services delivering high-quality components and parts to meet your specifications



## Casting Procurement

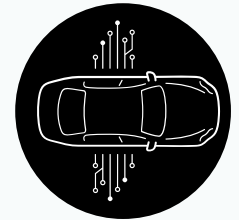
Efficient and reliable sourcing of high-quality castings, ensuring timely delivery and quality standards.



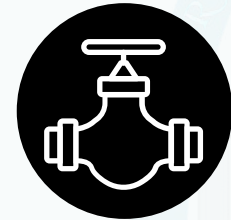
# Our Impressive Clientele



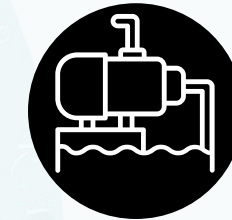
# Available in Specific Sector's



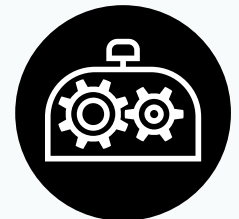
**Automobiles**



**Valves**



**Automobiles**



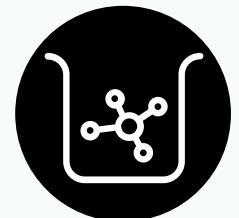
**Gearboxes**



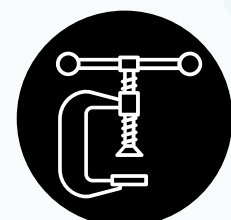
**Power Press**



**Mining**



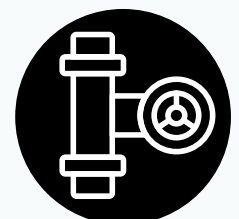
**Chemicals**



**Clamping Devices**



**Cement Industries**



**Pipes fitting**



**General Engineering Components**



# Pattern Manufacturing Process

- Component-wise casting selection process.
- As per casting selection we can offer best of our solutions.
- Design considerations with foundry person.
- Finalisation with client (as per they needs, for number of casting to be produced for that patters).
- **Proper raw material selection including**
  - Wood: Teakwood (Grade A), HD-HMR, Russian birch plywood, etc.
  - Aluminium: Commercial LM6, LM5, LM 20 & doing in extrusion block like 6061 6062 from well known brand hindalco Bengaluru.
  - Styrofoam: EPS(Expanded polystyrene) 30-35 kg density. martial we are using since 2006. Another material like EPS 95, stemma, etc.
  - Casting materials: FG250–FG400, SGI400/15, SGI500/7, SGI600/3

- **Doing machining in-house with 4 CNC controlled machines & conventional machines for respective processes**
  - Own MAKE having size 525 x 850 x 200 (expanded up to 650)
  - LMW MAKE Having size: 400 x 600 x 500
  - LMW MAKE Having size: 500 x 1000 x 500
  - ACE Design Make Having size: 700 x 1300 x 800
  - DN Solutions formally known as Doosan plan to buy (size not decided)
  - 9ft lathe machine - 2
  - 6ft lathe machine - 1
  - 3ft lathe machine - 4
  - Drilling machine - 3
  - Small drilling machine - 3
  - wood working routers
  - Combined cutting, gauging & sizing wood machine - 2
  - Own make: foam cutting machines - 8
- **After machining respective process mounting of patterns**
- **Doing QC for respective patterns**
- **Final coatings & painting**
- **Dispatch**



# Group of Companies



- **Pattern Manufacturing Unit**



- **Supporting unit of RP Pattern in foam pattern**



- **CI/SG Iron Foundry**



- **Megh Engineering Works**

R.P. Pattern

Since 1996

*You think, We make it...*

**contact**

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*— You think, We make it... —*

*Thank You*