

25
YEARS
LOST FOAM FOUNDRY



**GUJARAT
METAL
CAST**

Casting Innovation

ESTABLISHED 1978



The Edge of Precision Engineering

Top of the line Technology

Even though Lost Foam process has been around in India since late 1990s. But at GMC we have over 25 years of experience in successfully running a lost foam foundry. In recent years GMC has also developed on its own PreciCast - it's a foam based foundry process which produces castings with tight tolerances and very good surface finish like investment casting.

Lost Foam

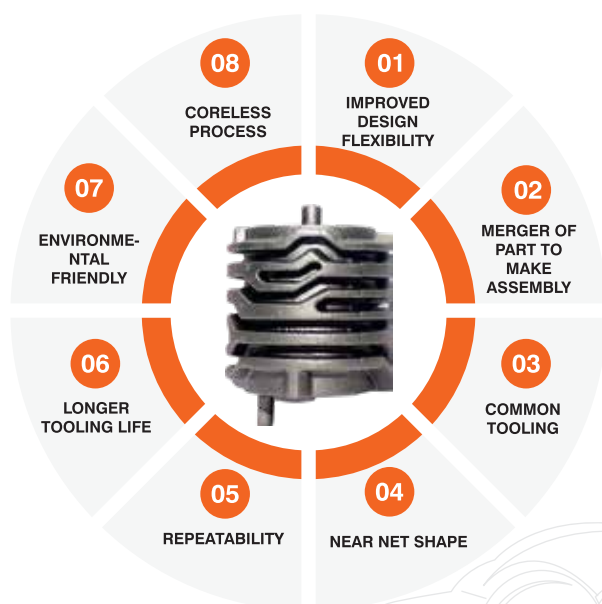
- Competes against Sand and Shell castings with less machining allowance and as-cast features
- Is the only foundry process wherein cavity is solid while pouring

PreciCast

- Similar to Investment Casting: instead of wax it uses Foam patterns
- This small change gives cost and process time advantage over IC
- Any metal can be poured in this process



Lost Foam Benefits



Sectors

POWER TRANSMISSION

BRAKES

FUEL DELIVERY

PIPES

AUTOMOTIVE

VALVE

PUMP

GENERAL ENGINEERING

MATERIAL HANDLING

CONSTRUCTION EQUIPMENTS

Superiority Through Quality

Foundry capability

METAL		
Grey Cast Iron	SG Iron	Malleable Iron
Aluminum Alloy	Steel	Stainless Steel
Alloy Steel		Copper Alloy

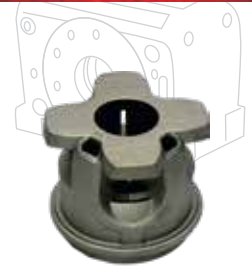
	LOST FOAM	PRECICAST
Weight Range (kg)	0.05 to 40	0.02 to 25
Overall Dimensions (mm)	850 x 850 x 500	850 x 700 x 700
Annual Volume Range	2,000 to Million	100 to Million
Heat Treatment	Yes	Yes
Machining	Yes	Yes
Coating	Yes	Yes
Leak Testing	Yes	Yes
Impregnation	Yes	Yes



Quality Assurance

Test Equipments

- “Spectro” spectrometer, 20 Channel for Iron & Aluminium Metal
- Carl Zeiss Microscope with Metallurgical image analyzer software
- BHN Hardness Testing Machine
- Rockwell Hardness Testing Machine
- CE Meter for Instant Carbon Silicon Analysis
- Digital Pyrometer for Molten Metal
- 40 Ton Universal Testing Machine with Printer
- Sand Sieve Analysis Set
- Permeability Testing Machine
- Volatile Measuring Machine
- Dimension Checking: Vernier Callipers, Gauges, etc.



Customers Worldwide



INDIA Location Map



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