



**COATINGS**

**HOW INSTA TECHNOLOGY HELPED TO DELIVER SIGNIFICANT COST SAVING AND ELIMINATE PLASTIC WASTE GENERATION**

**PARAMETER:**

Alloy:	Grey Iron
Casting Weight	31 kg
Casting Temp.:	1420 °C
Poured Weight:	164 kg (4 castings per box)
Moulding Process:	High Pressure Moulding Line

**BAUER MOTORS BK 40**

**FOUNDRY: GHATGE PATIL INDUSTRIES LIMITED**

Ghatge Patil Industries Limited, is one of the leading foundries in India known for manufacturing of Grey and Nodular iron castings. With a capacity 1.2 lakh tons, GPIL supplies critical automotive castings to major OEM’s globally.

**FOSECO PRODUCTS**

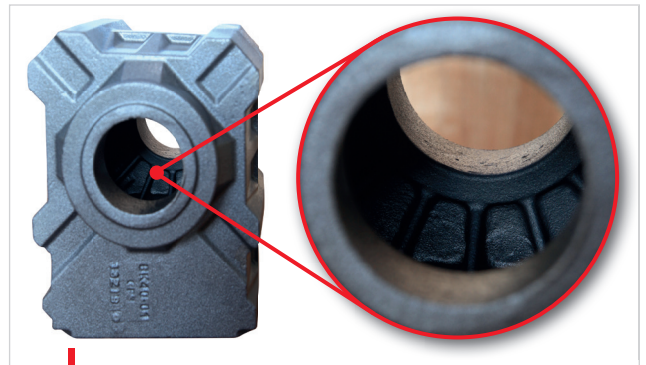
RHEOTEC\* INSTA 440 (GPI)  
With INSTA UNIT

**KEY BENEFITS**

10% reduction in coating cost, while improving process consistency and achieving consistent casting surface finish. A biggest advantages to GPIL of adapting INSTA technology is elimination of plastic buckets in line with their HSE objective.



INSTA unit in action



Housing casting produced with INSTA Technology



**THE CHALLENGE**

With the existing process at GPIL significant cost reduction in coating without compromising on casting quality was a challenge. Waste generation of plastic bucket associated with present form of coating supplies was also a major environmental concern.



**OUR SOLUTION**

Introduction of a novel technology “INSTA Coatings” aimed to deliver cost reduction and improved process consistency.



**THE OUTCOME**

Introduction of INSTA Technology allowed GPIL to reduce coating cost by 10%, eliminate plastic bucket waste generation and achieve consistent casting surface finish.