





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.

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