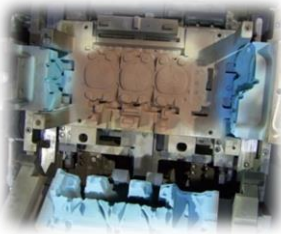


ALUMINIUM GDC CASTING

Cylinder Head Production

Nanocomp V7HI & MM12



V7HI is a medium-coarse mold coating with excellent mold filling properties. **MM12** is a protective top coating. The results below have been recorded at a European car manufacturer (OEM). V7HI was used to solve misrun (coldrun) issues in a cylinder head resulting in a significantly reduced reject rate, and an increase of service time by 200%.

Conventional mold coating

Daily mold maintenance and application of coating in tool shop.

Mold filling issues

Many parts with cold run defects – most acceptable, others lead to reject decision

Scrap rate of ~4%

Frequent coat touch-ups in process.

Nanocomp V7HI + MM12

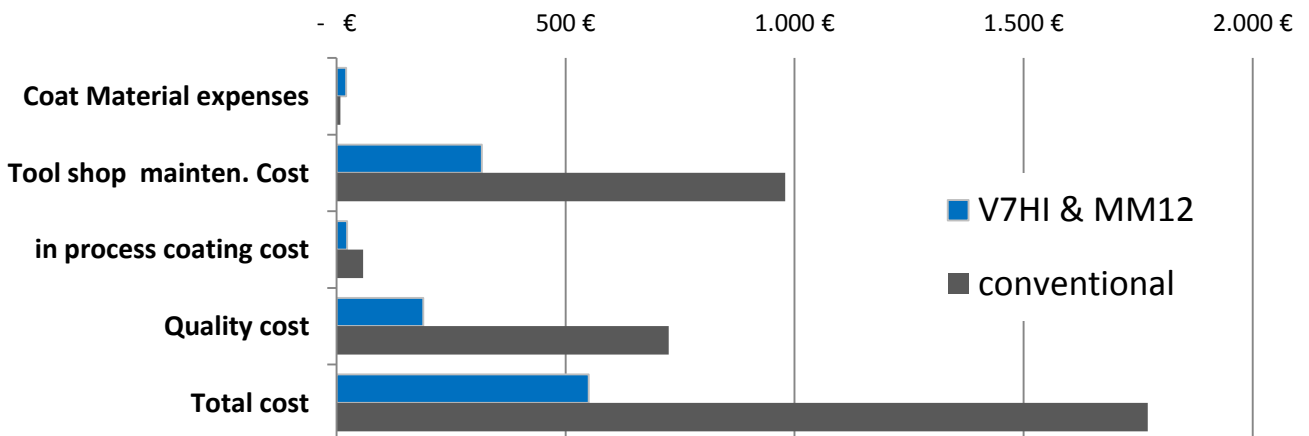
Mold maintenance in tool shop after 3 days of production and tripled production.

No mold filling issues / sharp contours thanks to high insulation and good melt flow properties of V7HI

Scrap rate < 1%.

Highly extended service time by MM12 protection

Coat related processing cost per 1000 castings



Improve your performance, reduce your processing cost.