STELLA COAT

Core pin manufacturer and surface treatment professionals have jointly developed coating for core pins





Features of Stella Coat

-AICrTiSiN-based nano composite multilayer coating -3-layer coating

Evaluation of the coating

- -Harder film than TiN, TiAlN, and CrN (approx. Hv3000)
- -Excellent resistance to aluminum sticking / erosion -Excellent oxidation resistance (1100°C)
- -Thin film with little dimensional change

CASTEC celebrates its 85th anniversary this year. In this memorable year we release a new coating. We would like to bring out the performance of core pins and solve casting problems.

ense film structure

85th Anniversary





STELLA COAT

	TiN	TiAIN	CrN	STELLA COAT
Hardness(HV)	2000	2800	1800	3000

Al sticking test results (5-minute aluminum immersion \rightarrow Appearance of specimen after wiping and amount of sticking)

0.100 -

Surface hardness



Specimen size : H13(SKD61) ϕ 12, length 120mm Aluminum immersion range : 70mm from tip

Erosion test results (9-hour aluminum immersion \rightarrow Appearance of specimen after removal and amount of erosion)

COAT





Specimen size : H13(SKD61) ϕ 12, length 120mm Aluminum immersion range : 70mm from tip



Sales office in Hamburg, Germany opened in June 2022



Ultra-powerful metal 3D printer has been installed



Molten metal ADC12



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