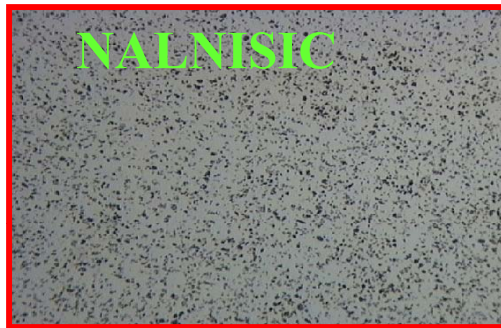


# Cost Effective Wear Resistant Ni-SiC composite coating

Ni-SiC composite coating deposited by electro deposition method, tested in an indigenous 55hp rotary (Wankel) engine of UAV

Thickness : >150microns

Microhardness: >400VHN



Cross-section of the Coating

Ni-SiC coating deposited on the bore of the Trochoid housing of NAL's Wankel engine



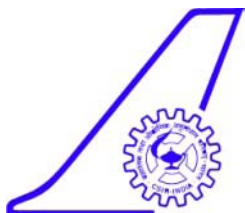
## Salient Features :

Coating can be deposited on any complex shape, cost effective method, flexibility in thickness and properties.

## Potential Applications :

Wear resistant composite coatings for rotary and reciprocating engines in light weight aircrafts, UAVs, micro UAV, automobiles etc.

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