

DECARBURIZATION

Meaning: Decarburization is the process of reducing the carbon content in metals, particularly steel, to enhance their properties and performance.

1. Decarburization is a crucial process in the steel manufacturing industry to reduce carbon content.
2. The decarburization of the metal improved its ductility and overall performance in high-stress applications.
3. During the heat treatment, decarburization can significantly affect the hardness of the material.
4. Engineers must carefully monitor the decarburization rate to ensure the integrity of the alloy.
5. Innovative methods are being developed to minimize unwanted decarburization in ferrous materials.

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