

DECARBURIZE

Meaning: Decarburize: to remove carbon from a metal, particularly steel, to enhance its properties such as ductility and hardness.

1. To improve the steel's ductility, the manufacturer decided to decarburize the metal after forging.
2. During the heat treatment process, it is crucial to decarburize the surface to achieve optimal hardness.
3. The lab technician carefully monitored the temperature to ensure they could effectively decarburize the alloy.
4. In some applications, it is necessary to decarburize the steel to prevent embrittlement during welding.
5. The research focused on new methods to decarburize iron without compromising its overall strength.

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