

CALCINER

Meaning: A calciner is a furnace or device used to heat materials to high temperatures in order to bring about a thermal decomposition or phase transition, commonly used in the production of materials like alumina.

1. The calciner is essential in the production of high-purity alumina.
2. Engineers designed a new calciner to improve energy efficiency in the process.
3. The calciner operates at extremely high temperatures to facilitate the chemical reactions.
4. In the cement industry, a calciner plays a crucial role in the clinker production process.
5. We need to monitor the calciner's temperature closely to maintain optimal performance.
6. Upgrading the calciner can significantly reduce emissions during the calcination process.
7. The calciner's design allows for better heat distribution and reduced operational costs.
8. Researchers are exploring innovative materials to enhance the durability of the calciner.
9. The calciner's efficiency directly impacts the overall productivity of the facility.
10. Operators must be trained on the specific functions and maintenance of the calciner.

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