

Title: Generator blade mold

Generated on: 2026-05-17 08:12:25

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The revolutionary 3D-printed blade mold research will provide information necessary to build a new, fast, and cost-effective way to make large wind energy components.

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In the existing technology, most of the molds used for the production of wind turbine blades cannot locate the blade materials laid inside them, which leads to the fact that the upper blade materials and ...

The invention belongs to the field of wind power blade manufacturing, and particularly relates to a manufacturing method of a wind driven generator blade mold.

Today, rotor blades can be up to 100 meters long with blade flange diameters of up to 10 meters, and just as before, they are predominantly fabricated by hand. To do this, huge molds are ...

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Engineers at Oak Ridge National Laboratory (ORNL) and TPI Composites (TPI) collaborated to design and manufacture a printed mold that can be used for resin infusion of wind turbine components.

A feasibility study on the mass production of a small wind turbine blade using an injection molding process was conducted. The blade was divided into three sections suitable for injection ...

Technical problem to be solved by this invention is: the wind-powered blade mold preparation method that a kind of low noise, energy-conservation, pollution-free, operating numerical control...

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Generator blade mold

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