

veneer drying solutions | upgrade



Unlock Energy Savings with a Dryer Roof Upgrade

Transform Your Efficiency: Replace Old Clamped Roof Elements with Continuous, Welded Solutions for Long-Lasting Cost Reductions

DRYING SOLUTIONS | UPGRADE

In today's competitive landscape, optimizing energy efficiency is essential for maintaining profitability. Upgrading to a continuous, welded roof for older dryer models can significantly reduce energy costs, allowing you to harness substantial savings while enhancing overall performance and durability.

Challenge

Older dryer models typically feature individual roof panels, standard sized at 1,500 x 2,000 mm. These panels are equipped with sealing strips on the sealing side and bonded to the roof frame using adhesive. Clamping plates further secure these segments to the roof frame. However, this design creates numerous gaps between the individual panels, resulting in inadequate thermal insulation and significant heat loss. Over time, the adhesive can become brittle, leading to leaks and additional heat and pressure losses within the dryer.

Our Solution

1. Step: Removal of the Existing Dryer Roof

The old roof is removed, including exhaust dampers, cable ducts, and mounts. The surface is leveled and cleaned.

2. Step: Installation of the New Dryer Roof

Preassembled roof segments are placed, aligned, and welded. Mounts are reattached, transitions are insulated and sealed, and exhaust components are reconnected.

Once this upgrade is complete, the dryer is ready for use. It significantly enhances your dryer's energy efficiency and renders your dryer roof maintenance-free.



UPGRADE



Advantages

- » **Enhanced Thermal Insulation:** Experience lower energy consumption due to improved thermal insulation and a tighter roof design, which helps maintain optimal temperatures within the dryer.
- » **Reduced Energy Costs:** Benefit from significantly lower energy costs as the upgraded roof minimizes heat loss and enhances overall efficiency.
- » **Decreased Maintenance Costs:** Enjoy lower maintenance costs with a durable, welded roof that requires less frequent repairs and replacements compared to clamped elements.

Did you know? As leading experts in dryer technology, Grenzebach can also upgrade **Babcock** dryers—part of Grenzebach since 2002. Please do not hesitate to ask your service contact for further details and support regarding this upgrade. They will be happy to provide you with an individual offer.



- + Increased productivity
- + Extended service life
- + Maximized machine availability
- + Higher profitability
- + Lower total operating costs

WeSERVICE

ADDED LIFETIME – ADDED VALUE

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Version 04/2025