

CMC TEXPAN WORKS WITH AWS CORP.



Combustion emission control has always been a very serious issue for the woodworking industry. Fumes released from wood dryers and combustion systems may contain significant quantities of wood particulates and other contaminants that may be released into the atmosphere together with the exhaust air, thus having an adverse impact on the environment and representing a hazard for human health.

To comply with environmental liability obligations, facility operators are required to implement reliable systems to control and clean the emissions likely to be released from their mills.

Wet electrostatic precipitators (WESP) represent a well-established and effective solution for wood industry applications. They ensure efficient emission control for sub-micron particulate and other contaminants, such as oil mist and VOCs, and offer proven

performance, compactness, robust design, automatic operation and low operating costs.

Their operating principle is based on the so-called "corona discharge" effect. A high voltage is applied and a strong electrical field is generated inside the machine; when the exhaust gas passes through the electric field in filtering chamber, contaminant particles contained in the gas stream are electrostatically charged; charged particles are then deflected and collected across the electrical field on a grounded tube, and the exhaust air flow is purified.

CMC Texpan, Italian subsidiary of the Siempelkamp Group, has always maintained an attentive approach toward safety and environment-related issues. Aiming at extending its range of products and services to systems for emission control dedicated to wood dryers, presses and combustion systems, CMC Texpan developed a cooperation project with the Italian company AWS Corporation, which offers a full range of air pollution control technologies, waste and primary water treatments, as well as industrial fluids purification systems, for fields of application ranging from textile processing to sulphuric acid plants, biomass/food drying and wood dryers in wood based panels plants.

Alongside this project, CMC Texpan has recently developed a safety-enhancing system for flameless venting of explosions on oscillating screening machines. The solution, which includes the "Q-BOX" device of the German firm REMBE, is called "EX-PROTECTOR" and has been conceived by CMC TEXPAN with the specific purpose of reducing the safety distance to be kept around the machine, enabling a smoother and easier installation also in indoor applications.

Industry professionals are already looking at both systems with great interest.

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