

05-02-2024

Toscotec-supplied Steam Generation System reduces Boiler's Gas consumption up to 25%

Toscotec TT Steam Booster recovers the heat present in the hoods exhaust air and harnesses it to generate high pressure steam from the condensate coming from the Steel Yankee Dryer. The generated steam is injected into the steam line that runs from the boiler to the Yankee and is used directly to feed the Yankee. TT Steam Booster's standalone control system, which can operate independently on any tissue making line, has also been completely integrated into the tissue machine's DCS to ensure effortless operations.

TT Steam Booster has reduced the boiler gas consumption at Cartiera Confalone's mill in Montoro, Italy up to 25%, also ensuring a reduction of the mill's carbon emissions. Custom-designed based on the Mill production specifications, the steam generation system has been stably producing high quality steam for more than four months and has exceeded the performances of the project. It does not require regulation according to the machine production, and its performance is monitored remotely by Toscotec. The system is reliable and compact, with very low impact on the building's load capacity, which also makes it very easy to install in existing plants. In terms of operating costs, TT Steam Booster calls for both minimal electricity consumption and very easy maintenance, due to the fact that after activation it does not need further interventions.