

OPERATOR PROTECTION AGAINST DUST, SAWDUST, AND WOOD CHIPS

LORILLARD GROUP - MANUFACTURE OF EXTERNAL FRAMES



ISSUE:

SUCTION ON DRILLING MACHINES

The Lorillard Group, a manufacturer of made-to-measure industrial frames, needed a centralised extraction system for one of its woodworking workshops, to be installed on its sanding machines. For the comfort of its operators and the evolution of its process, this company wished to acquire two sanding machines, the sanding operations being carried out manually before. These new machines mean that the operator is no longer directly confronted with the wood dust and has to do less handling.

In order to protect the operators and improve comfort, it was essential to equip these new machines, which operate 16 hours a day, with an efficient dust removal system. Also, the sanding machines are sensitive and adapt automatically to be able to sand the wood correctly, so the environment had to be clean and well dusted.

The technical solution offered by NEU-JKF Wood Industry enabled Lorillard to improve its manufacturing process at the sanding stage.

SOLUTION :

AN EFFICIENT AUTOMATED SYSTEM

A Jetline V, an ATEX dust collector with a capacity of 27,000 m³/h, was installed outside the workshop. It operates by compressed air cleaning. The dust is discharged under the dust collector via a sluice and a two-way auger allowing two skips to be loaded, in an automated manner. Indeed, this installation can be managed by itself thanks to filling detection sensors for each skip, allowing to fill one or the other skip. Once one of the two bins is full, an alert is sent.

This installation required a high suction speed on the machines to be able to dust the industrial sanders properly.

The installation also had to take into account the possibility of integrating future machines, which could be added to the current equipment.

Satisfied with the technical solution offered by NEU-JKF Wood Industry and its smooth operation, Lorillard plans to develop this type of installation at other sites.

