



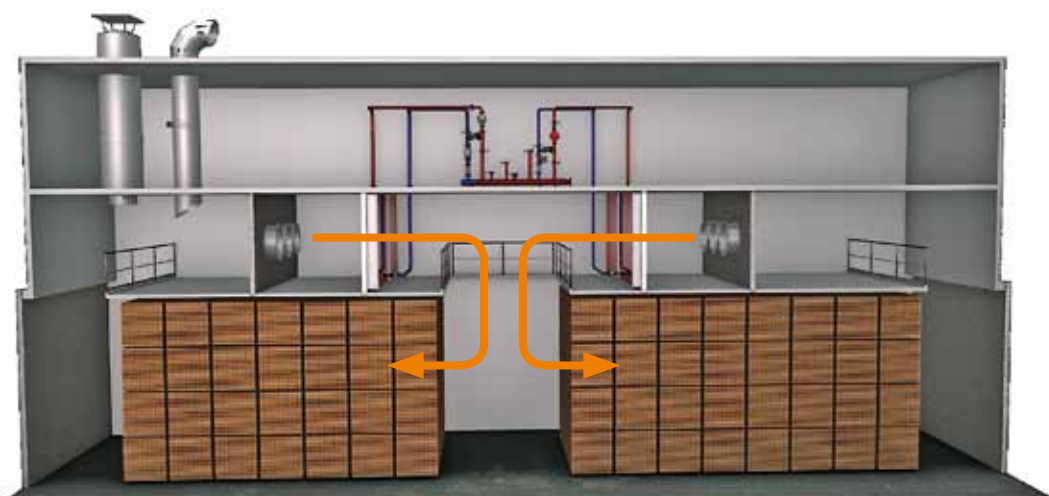
Progressive Kiln

Continuous drying for continuous timber production.

MÜHLBOCK
DRYING-TECHNOLOGY

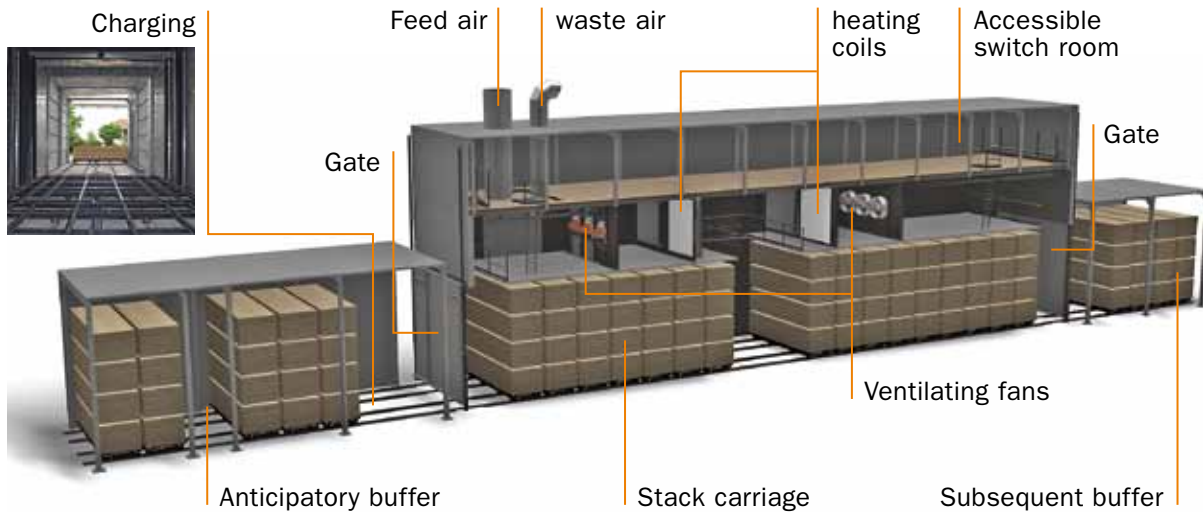
Continuous drying

In contrast to classical drying kilns, the timber is moved through the progressive kiln on transport wagons and thereby exposed to different climatic conditions. Depending on the timber type, dimensions and the desired end moisture rate, the progressive kiln is designed with different climate zones. Filling and transportation through the drier are performed by means of a fully automatic loading system.



MÜHLBÖCK progressive kiln with 2 zones

construction progressive kiln (2-zones)



Heat recovery system 1003

Compared to conventional drying lines in which almost the entire energy amount used in the heating coil escapes to the outside via ventilation flaps, in the 1003 system, more than 80% of this energy is transferred to the feed air via heat exchangers.

Thus the thermal connected load, the thermal energy consumption and the electrical energy consumption can be almost halved.



Energy savings take pride of place

Since economic drying is the key to success, we focused on the theme of energy saving when developing our progressive kiln. MÜHLBÖCK progressive kilns ensure for example the continuous adaptation of the speed of the ventilating fans to the drying progress.

Drying road maps from the Mühlböck R+D department ensure optimum drying progress with the lowest possible energy costs.



Optimum sealing-off of air for energy savings and an enhanced drying result

With the lowerable stack seal, MÜHLBÖCK offers you a lasting solution free from leakage air with the lowest possible manipulation times for sealing off the stack from the intermediate ceiling.



User-friendly visualisation

The intuitive assembly, the clear and neatly arranged presentation and issuing of all of the information in clear texts are the most important characteristics of the MÜHLBÖCK control system. Interfaces to the mobile data recording instruments and various connection possibilities on the company network ensure the perfect handling of data. Extensive documentation and evaluation possibilities also offer you to effectively control drying.



Safety takes pride of place

To avoid injuries of persons and material damages, MÜHLBÖCK progressive kilns contain a variety of safety devices. To avoid malfunctions and damage to the line as a result of packs which are too big or wrongly loaded transport vehicles, the pack sizes are monitored. In addition light barriers and various emergency stop switches ensure the safe operation of the line.



Because quality pays off

The very best timber quality and reduced shrinkage all help to save you money. Differences in the initial moisture are balanced out thanks to the MÜHLBÖCK **IntelliVent** and the desired end moisture level is reached with precision.



MÜHLBÖCK customer services. There for you whenever you need us.

A MÜHLBÖCK drying specialist accompanies you with drying even after the start-up has been successfully performed. We optimise your line together with your chief drying operator in accordance with your requirements.

A service team whom you can reach 24 hours a day, guarantees you reliable and fast customer services.



Everything from one and the same supplier

MÜHLBÖCK offers an extensive service package in connection with the erection of a progressive kiln. This comprises:

- the conception and planning;
- the design of the foundations and the heating pipework and distribution;
- the production of the tunnel components at our own factory;
- the programming of the control system via our own technician;
- the assembly and start-up;
- and the after-sales service.

Your advantage: interfaces are reduced and the responsibility for project management and the function of the line lie with one and the same supplier.



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