

Welcome to the future of
timber drying!

MÜHLBOCK
DRYING-TECHNOLOGY



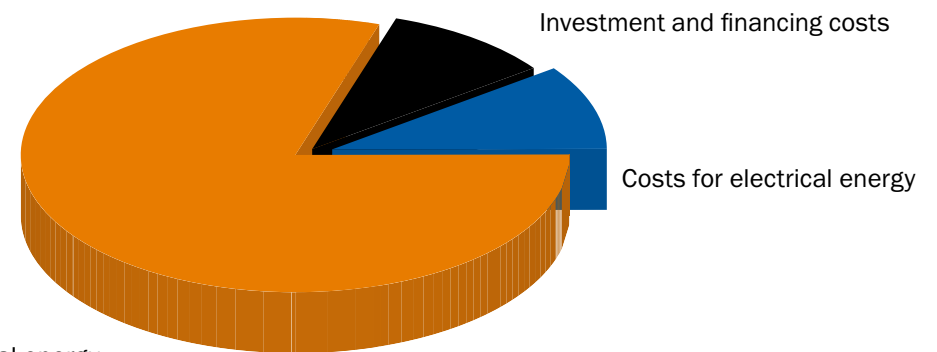
Faster. More economical. A superior quality.

The key to success!

Since economic efficiency is the key to success, we have considerably reduced the electricity consumption and have attained savings in thermal energy.

The sooner you start taking advantage of the advantages of a MÜHLBÖCK drying kiln, the sooner you will benefit from the economic advantages. You will save energy, reduce the throughput times and optimise the drying quality.

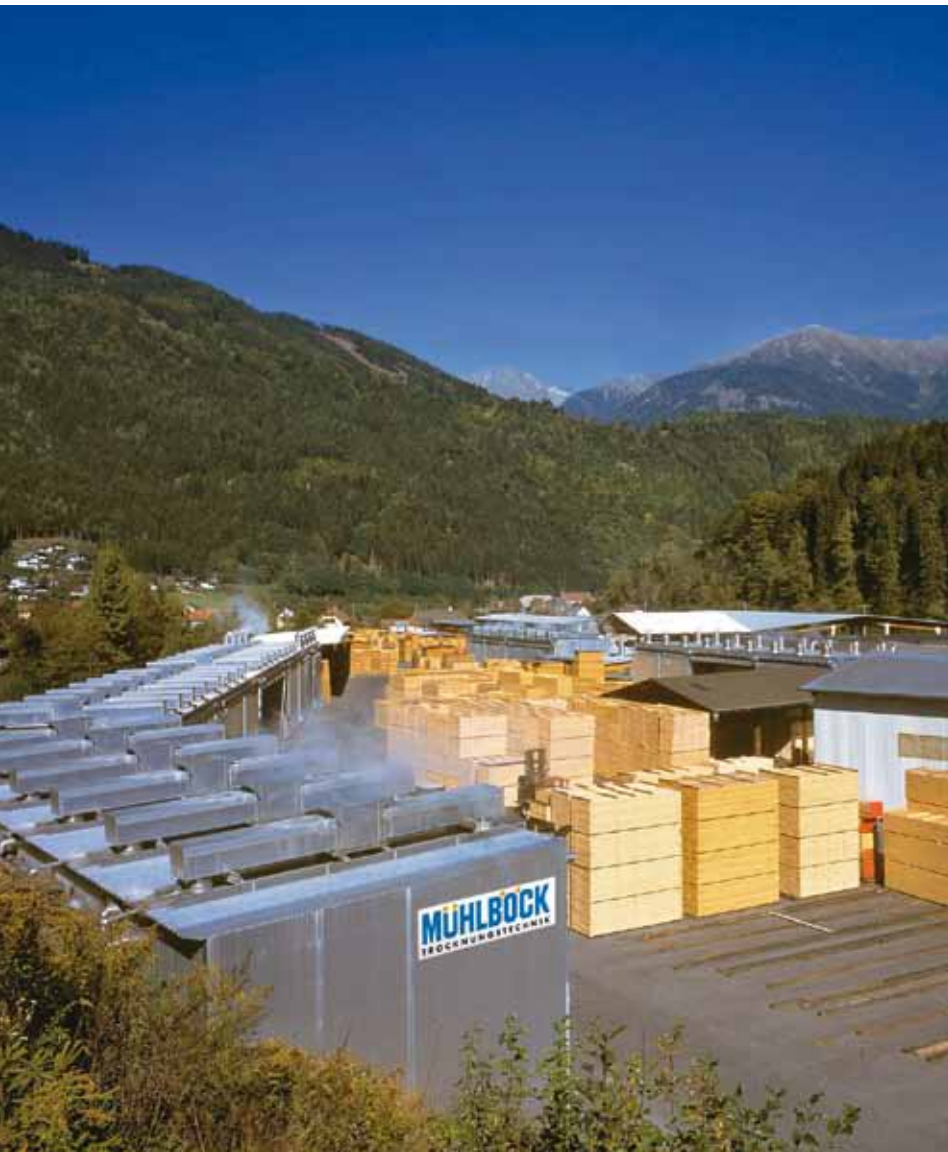
Drying costs per m³ sawn timber:



Costs for thermal energy

MÜHLBÖCK Typ Classic	The flexible, classic drying kiln	Tried and tested, favourably priced drying kiln system; flexible equipment variants for each and every demand
MÜHLBÖCK Typ 606/1306	The economy drying kiln	Energy-efficient all-round drying kiln
MÜHLBÖCK Typ 603	The high-performance drying kiln	Especially for thin coniferous wood
MÜHLBÖCK Progressive Kiln	The continuous drying kiln	Continuous drying for continuous timber production; Available as you choose in system type 1003 or the classic system type
MÜHLBÖCK Typ 1003	The energy saving system	Drying kiln for the lowest thermal energy consumption
MÜHLBÖCK Biomass-Dryer	Belt dryer for biomass with heat recovery system	Continuous drying of wood shavings and chips with low thermal energy consumption

Overview of our systems



Flexible and favourably priced solution

MÜHLBOCK Type Classic

With the MÜHLBOCK Classic drying kiln type we offer you a tailor-made drying kiln which is made to suit your requirements:

- Flexibility with regard to the selection of the kiln size
- Tried and tested and economical drying programmes for all types of timber
- Assembly and loading variants according to customer requirements
- Wide range of additional equipment



Small volumes – great wood lengths

Drying Kiln Eco-Flex

When drying volumes are low the Eco-Flex drying kiln allows you to very easily combine a large variety of wood lengths. And all this with minimum energy input. This makes the Eco-Flex drying kiln perfect for drying construction timber or for contract drying, where wood types and volumes vary greatly.



When it comes to loading the kiln, we offer you the same flexibility. Whether it's a frontal barn door or a fold-lifting or lift-sliding door on the long side – your needs lead the way!

The High-Performance drying **MÜHLBÖCK Type 603**

For exceptionally fast drying of thin softwood
varieties meeting highest demands towards final
moisture variation.





The economy drying-kiln

MÜHLBÖCK Type 606/1306

Drying technology that meets highest expectations towards efficient heat consumption. The MÜHLBÖCK Type 606/1306 drying system is a drying chamber equipped with a world-unique supply air system which uses a generous heat

recovery system to achieve total thermal energy savings potentials of 25% in comparison with conventional drying chambers.





Continuous loading

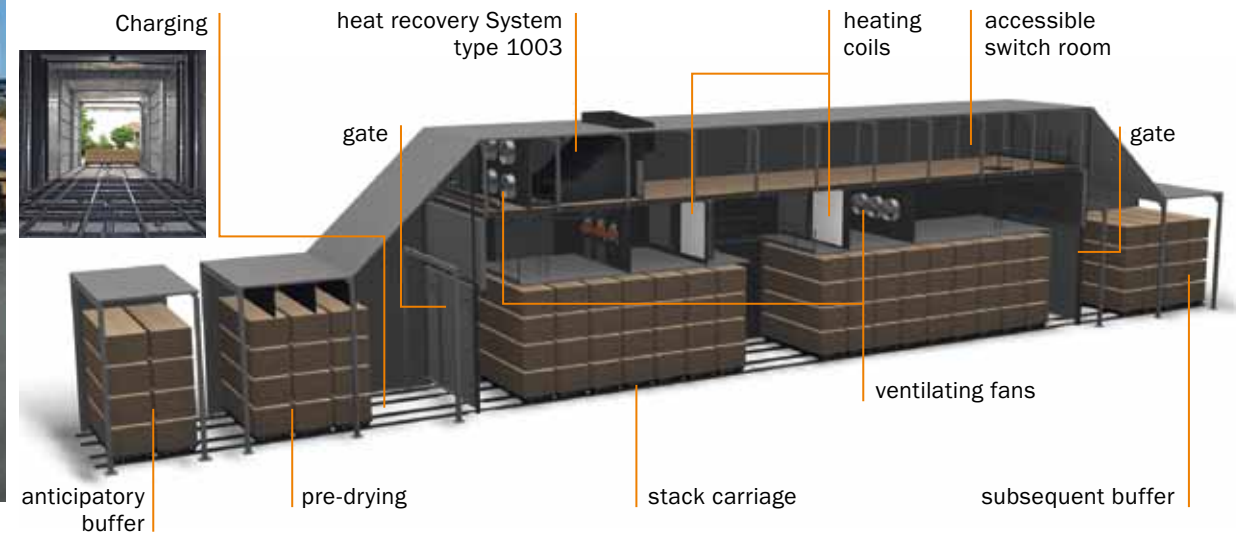
MÜHLBÖCK Progressive Kiln

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.

A fully automatic loading system with numerous safety devices guarantees the trouble-free filling and transportation of the timber.

If the customer wishes it, the heat recovery system type 1003 ensures that the thermal connected load and thermal and electrical energy consumption are reduced by 50%.

Construction Progressive Kiln (type 1003)





The focus is on energy savings



The energy saving system

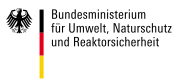
MÜHLBÖCK Typ 1003

The greatest cost factor when drying, energy consumption, is reduced by 50% using the new drying system type 1003. This system can be employed both in new drying kilns and progressive driers as well as when converting existing drying kilns.





Gefördert durch:



Bundesministerium
für Umwelt, Naturschutz
und Reaktorsicherheit

aufgrund eines Beschlusses
des Deutschen Bundestages

Advantages of the **Type 1003** drying system:

- Reduces thermal energy demand in wood drying by 50%
- Increases capacities at fixed heating performance
- Demands only small line cross-sections



Continuous Drying

MÜHLBÖCK Dryer for Wood Shavings



In combination with its heat recovery system, the MÜHLBÖCK dryer for wood shavings Type 1003 achieves a reduction in heat consumption in the range of 50 to 60% or, in case of fixed heating performance, an increase in drying performance by the factor 2.3 and thus represents the most efficient biomass drying system currently available.

Using conveying technology, the product to be dried is being supplied in a continuous process and fed onto the drying belt where it is dried to its defined target moisture in a fully automated way.

- Plant sizes: 1 t/h – 15 t/h
- Degree of moisture can be selected freely
- Suited for any granular size
- Modular construction







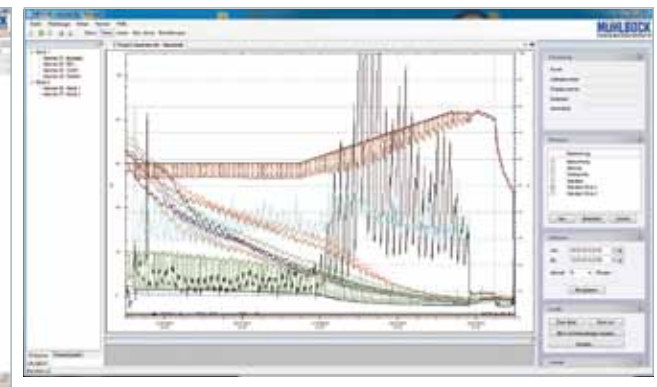
Extensive functionality

So that you can concentrate on what is important

The MÜHLBÖCK K5 control system is the suitable solution for all of the demands placed on timber drying. Whether it be loading the drying kiln or during the drying process. The modular design of the hard and software for adaptation to each and every drying task – with the shortest periods of instruction – are the most important characteristics.

Further advantages of the MÜHLBÖCK K5 control system:

- User authorisations for various groups of user
- Assistance and Reporting functions
- Remote control via Internet
- Open to all interfaces







Special kilns for discerning demands

Steam kilns / combined dry-steam kiln

Without fail each and every colour nuance. With hardwood in particular, well-aimed and regular colouring is decisive as a quality criterion. Likewise with discerning and light shades of colour, the new generation of MÜHLBÖCK steam kilns produces persuasive results.

The advantages of the combined MÜHLBÖCK drying-steam kiln:

- Restacking batch change (except for working hours) does not apply
- No second heating procedure
- Heating with heating coil and via the introduction of steam
- Cooling down time is already used for drying



Vacuum kilns

Fast. Free of discolouring. Economical. Low operating costs, simple handling and optimum flexibility with a higher drying quality are all characteristics of the vacuum drier from MÜHLBÖCK which is covered by several patents.



Plug-in kilns

Ready for operation in only one day. Up to 1,000 km from our factory we supply lines ready to be connected with a wood capacity of up to 60 m³. All that you need is a concrete panel as a base. The line be dismantled just as easily as it can be assembled and assembled again in another place. So you remain flexible.



There for you at any time.

MÜHLBÖCK customer services

A service team which assembles drying lines around the world all year round, is a guarantee of fast and reliable customer services.



Stay abreast of the times.

A partnership from the world

As a special service we regularly offer our costumers seminars on timber drying technology. This helps you to keep up with the times and implement the latest findings in your own company.



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