

PARTICULARLY WHERE KILN DRYING SYSTEMS ARE CONCERNED IT IS WORTH MAKING A CLOSE INSPECTION - AND ABOVE ALL LOOKING BEHIND THE SCENES.

And that begins with the fans. They are reversible, sit firmly in a complete aluminum casing and satisfy the requirements of Insulation Class H. The high-performance motor requires very little maintenance and the specially designed motor for the special high temperature drying version can be lubricated at any time. And what's more, the exceptionally robust drive shaft is forged out of extra hard nickel chromium steel.

THESE DAYS TECHNOLOGY CAN BE EVERYWHERE. BUT NOT ALWAYS THE EXPERIENCE THAT LIES BEHIND IT.

The central pipe of the heating plant is made of resistant alloy. The aluminum fins ensure good heat transmission, while their own low voltage battery ensures that there is little air resistance. A proven refinement to drying technology by BES Bollmann is the use of advanced frequency converters. They require even less electricity, achieve better drying quality and can be turned down at night. Reducing the fan speed makes it possible to comply easily with the applicable noise protection regulations and conditions. Peak current regulation is also built in. This reduces mechanical stress on the fans many times over. Special features in BES Bollmann installations are the fresh air vents and exhaust air vents which are

skillfully crafted from the purest aluminum. A silicone seal guarantees that they are 100% airtight. In addition, the vents are housed in liners that can be lubricated and are therefore virtually maintenance-free. The aperture angle can be limited mechanically. Each vent is proportionally controlled by an individual motor. If required we will also deliver an exhaust fan. This can be attached to older installations, enabling them to be upgraded easily. They come complete with rain covers, which means that the vents can be integrated on the roof as well as in rear and side walls. Centralized suction ensures an air exchange of up to 30,000 m³/h, resulting in short, speedy drying. We offer our own sound absorbers, particularly in problem areas where there are noise protection regulations, and these can be upgraded easily at any time.

We work constantly to improve and optimize all our components and installations, drawing on numerous discussions and a constant exchange of information with our customers and professionals on the spot. The result is that each kiln drying installation by BES Bollmann is delivered with a wealth of experience behind it. This means you can be certain that our specialists identify with your kiln drying installation to such an extent that, following extensive planning and development, they create a drying system designed to meet your current, and above all future needs. This attitude has made the name of BES Bollmann well-known worldwide. With numerous innovative products, an extensive product range and customers who think exactly as we do. Because it's not just a

matter of being the best. It's a matter of finding the best solutions.

COMPANY PROFILE.

Leading producer worldwide of kiln drying systems and associated components.

- Complete, fully-automated drying systems
- Drying system components
- Control technology
- Moisture measuring technology
- System engineering
- Service

Areas of business

- Wood processing
- Sawmills
- Pallet production
- Parquet production
- Furniture industry
- Paper industry
- Foodstuffs
- All applications requiring constant, surable and safe drying.

HIGH PERFORMANCE

1. Spray nozzle
2. Aluminium heating fins
3. Exhaust air vents



THE COMPLETE SOLUTION

1. Drying Kiln HT100 with a lift and sliding door
2. Fans



A GOOD NAME HAS TO BE EARNED ON A DAILY BASIS

Our drying systems are designed to give you a brief insight into how you can work even better, faster and, not least, more successfully with a timber drying system by BES Bollmann. Whether you are thinking of large or small quantities of timber and different species of wood, whether you are interested in a complete solution or just individual components - ultimately there

will always be an optimal drying result for your customers. System technology by BES Bollmann is as good as its reputation.

THOSE WHO WANT TO BE RANKED ALONGSIDE THE TRULY SUCCESSFUL IN THE TIMBER INDUSTRY CANNOT AFFORD TO RELY ON HALF MEASURES WHEN IT COMES TO TIMBER DRYING.

The HT100 by BES Bollmann can show you a thing or two when it comes to timber drying. Its capacity ranges from 40 to a full 400 m³ and at the same time it can be combined with all types of kiln doors. That makes the HT100 suitable not only for all loading systems, but also for drive-through operations thanks to its fan arrangement. Here, the air is fed and reversed via an



EFFICIENT DRYING TECHNOLOGY

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EFFICIENT DRYING TECHNOLOGY



FOR ALL OPPORTUNITIES

1. Drying kiln under construction
2. HT100 with heat recovery
3. Kilns with heat recovery systems
4. HT100 Rail loaded drive through
5. Drying kilns loading with in conveyors

intermediate ceiling and so ensures particularly gentle, even drying within the shortest time. The HT100 also offers excellent service as a steam chamber or as a combined steam and drying chamber.

PARTICULARLY WHEN YOU ACHIEVE TURNOVER WITH SMALL AND MEDIUM QUANTITIES OF TIMBER SUCH AS STRUCTURAL TIMBER, FOR EXAMPLE EFFICIENT DRYING THROUGHOUT PLAYS A PARTICULARLY DECISIVE ROLE.

BES Bollmann has a fitting for these high demands by the HT200, with a timber capacity of 5 tot a generous 80 m3, its overall height remains very low thanks to the fan structure installed on the side at floor level. This also means it can be integrated perfectly into buildings which

already exist. The HT200 can also be used as a steam chamber or as a combined steam and drying chamber. Over and above this you can also opt for just the assembly parts for both systems in order to integrate them into a casing of your choice, something for which the HT200 is particularly suitable.

WE CLEAR THE WAY TO MAXIMUM DRYING CAPACITY.

No matter how varied the uses are for the various BES Bollmann kiln door systems - they still all follow one principle: they have particularly low maintenance requirements, are extremely robust, and can be adjusted at any time. Special rubber seal sections that can be replaced with very little effort ensure the doors are completely airtight.

Select the BES Bollmann kiln door system that best suits your purpose:

- Swing door
- Lifting folding door
- Lift and slide door
- Segmented sliding door
- Lifting door

KILN DOOR SYSTEM

1. Swing door

A swing door is the simplest but often also the best solution. For example when you require a particularly narrow kiln dryer. The maintenance free access also complies with safety regulations as an emergency exit. The door opens immediately and with no loss of time.

2. Lifting folding door

Its advantages are obvious: it is exceptionally simple to operate and requires very little space. Particularly ideal where there is a tight corner in terms of space.

3. Lift and slide door

So simple, so good. It can be opened easily either hydraulically or mechanically and does not require a complicated locking mechanism. Maintenance is correspondingly low. Nonetheless, this structure is completely airtight at all corners and edges thanks to the sophisticated seal section. The door is suitable above all for multi chamber installations. That means it can be pushed across in front of each neighboring chamber in turn and requires no additional space.

4. Segment sliding door

The perfect solution for individual kiln dryers. Thanks to the magazine on the side wall it requires very little space and the timber can be stacked along the kiln wall. The door system is also outside the danger area for stackers and lorries. Of course, it is possible just to open the door halfway,

for example when removing part loads. Low maintenance costs make this versatile door system a real asset for every type of loading system.

5. Lifting door

particularly ideal where there is a tight corner in terms of space. The door becomes completely hoisted up.

