

THE INSULATION UNIT FOR THE
INDUSTRIAL CONSTRUCTION OF WOODEN ELEMENTS



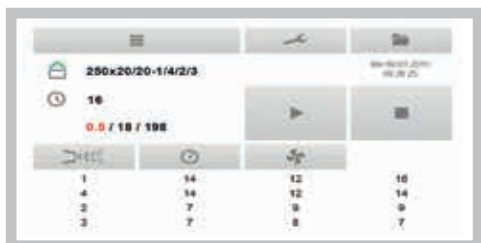
ISOBLOW
ELEMENTS

ISOCELL

ISO BLOW ELEMENTS

EASY OPERATION

Simple and straightforward use via touch display. Operation via tablet or PC is available as an option.



ATTACHMENT POINTS

For easy attachment to the hoisting crane.

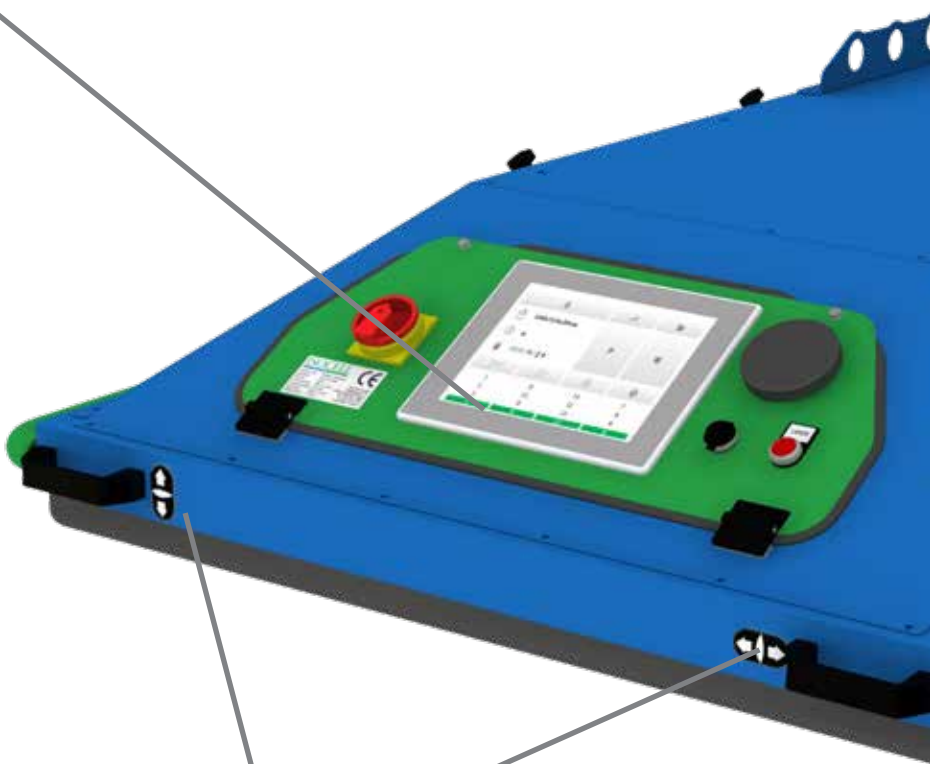
EVALUATION OF BLOWING DATA

Blowing time, adjustment and weight of the field and the total weight of the element are saved and used for quality control.

INTERFACE TO CAD PROGRAMS

It is possible to convert CAD data of conventional programs such as SEMA, Dietrichs, CadWork to 3D-DXF.

A log and analysis of weight data for quality assurance is shown on an evaluation sheet. Remote maintenance possible.



OPTIONAL:
INTEGRATED CRANE CONTROLS



NO EXPOSURE TO DUST

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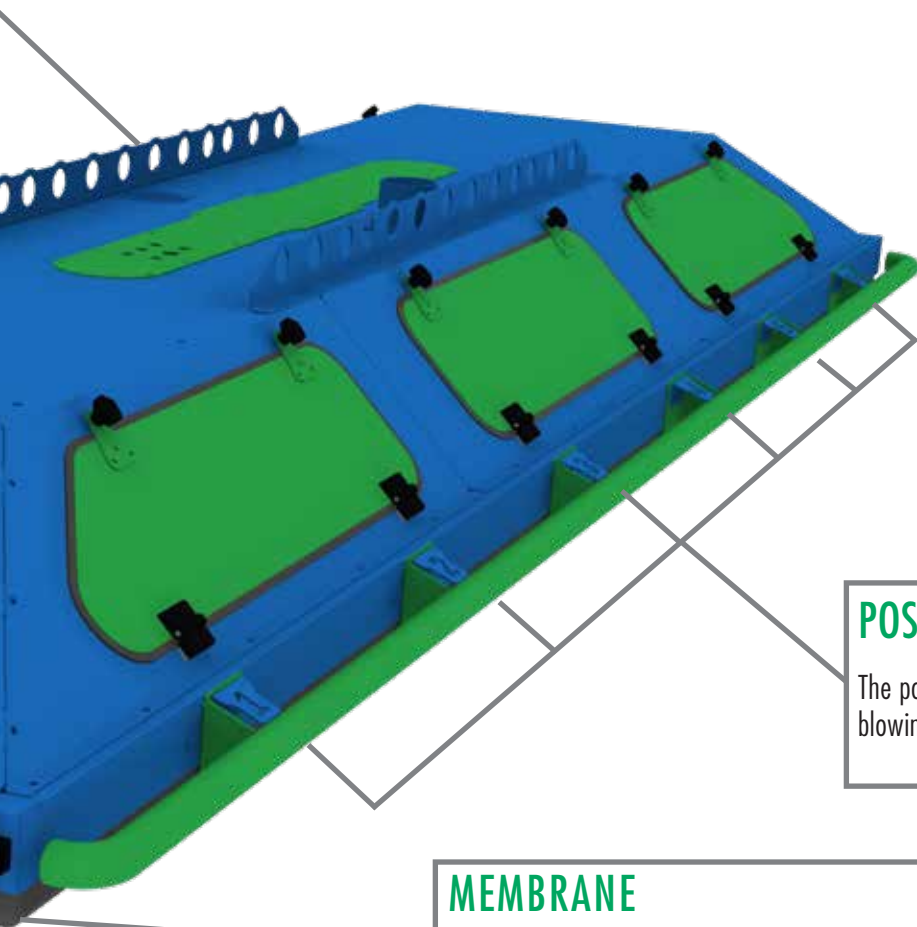
FLEXIBLE FOR ALL TYPES OF INSULATION

COMPATIBLE

Whether big bale system or mobile blowing machine, whether industrial wood construction or a joiner's workshop – ISOBLOW ELEMENTs blowing plate can easily be integrated into existing assembly lines.

SPECIFICATIONS

	4 nozzles	6 nozzles
Dimensions:	300 x 100 cm	325 x 100 cm
Height:	630 mm	630 mm
Weight:	300 kg - 500 kg	300 kg - 500 kg
Number of nozzles:	4	6
Electrical connection:	230 V / 16 A	230 V / 16 A
with optional booster:	400 V / 50 Hz 32 A	400 V / 50 Hz 32 A
Compressed air:	filtered, 6 - 8 bar	filtered, 6 - 8 bar



OPTIONAL:

1-2 EXTRA BOOSTER

For long feed lengths and/or long-fibre blown insulation such as e.g. wood fibre.



POSITION LASER ON EVERY JET

The position lasers simplify the aligning of the blowing plate.

MEMBRANE

Dust-free and efficient work is possible thanks to optimum surface pressure and the specially developed membrane.



Video



PLATION

—

EASY OPERATION

—

VERSATILE USE

VARIABLE HOISTING TECHNOLOGY





THE OPTIMAL SOLUTION

The advantages of ELEMENTs blowing system are amongst other things, the simplified production stages, the optimum blowing control and the precise quality control via the display.

One insulation panel - variable hoisting technology depending upon hall layout:

1 Hoisting system

Hoisting system and/or swivel arm: the ISOblow blowing plate is lifted onto the elements to be insulated using the overhead crane. A swivel arm, mounted on the floor or the wall is an economic alternative. This avoids the need for an indoor crane.

2 Gantry Crane Solution

By means of a "bridge" or "portal", that runs on two parallel tracks the ISOblow Elements blowing plate is positioned onto the wood construction element. The blowing plate is raised and lowered by means of a pneumatic cylinder. This is constructed individually and made to match the production table and the customer's specification.

3 Fully automatic insulation solution

ISOblow's blowing portal drives itself over the wood construction element and insulates the relevant cavities. Via an interface to the CAD timber construction program the blowing portal receives all relevant information such as insulation thickness, position and size of field. Special laser scanners ensure safety of the work area and protection from collisions.



Suitable for all – insulation materials

CELLULOSE



WOOD-FIBRE

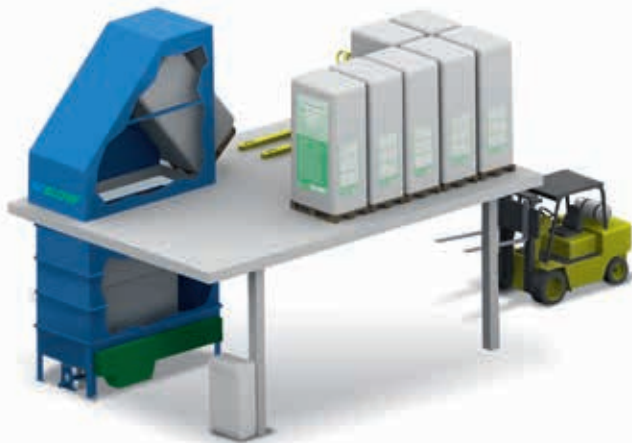


ROCK- AND MINERAL WOOL



ISOBLOW BIG BALE TECHNOLOGY

A



B



B



ISOCELL BIG BALES

For many wood construction plants the most efficient method of insulation by far is the use of ISOCELL big bales. 2 systems are available for handling these big bales:

A Feed through platform:

Up to 6 big bales à 250 kg are tipped into the machine through an intermediary platform. It is therefore possible to process up to 1,500 kg of insulation in just one step.

B Vertical big bale cutter:

A very space-saving solution is the use of a big bale cutter. The ISOCELL big bales are pushed into the machine from behind with a forklift. The bales are cut in layers from top to bottom. The material falls into the blowing machine and is transported from there to the ISOBLOW ELEMENTS blowing plate.

Big bale technology is not necessarily the most practical technology for all engineers in timber construction.

Every powerful ISOBLOW blowing machine can be combined with the ISOBLOW Elements blowing plate.

This way flexibility is guaranteed – whether insulation takes place in a factory or on a construction site.



PERFECTLY INSULATED

With the ISOBLOW Elements blowing system

ISOCELL is offering the next generation in blowing solutions for industrial wood construction. Insulation is provided for wooden construction elements covered on one side – regardless of insulation thickness and covering.

Holzbau Erni AG, Switzerland



“We often invite our customers to follow the production process of their house. This way they are convinced of the construction quality.

The customers are then given technical documentation of the weighing unit and photos of the insulated elements. This way they can be sure that their house is perfectly insulated.”

Peter Henggeler, Holzbau Erni AG

S. Müller Holzbau AG, Switzerland



“We are satisfied clients of cellulose and airtight products. Using the blowing plate offers fast and rational working. The fit is perfect and every gap optimally insulated. That is a high quality standard ISOCELL is offering us here and one that we trust.”

Stefan Müller
Managing Director Stefan Müller Holzbau AG, Switzerland

Eder Holzbau, Germany



“In the past we carried out insulation by hand with insulation matting. The work was time-consuming and it was difficult to integrate it into the production process. With ISOCELL’s blowing technology we are now able to optimize the work processes and also the quality. With ISOCELL cellulose we offer ecological, high quality insulation for our timber constructions.”

Franz Eder
Managing Director Holzbau Eder GmbH

Holzbau Erler GmbH, Austria



“Initially it was a challenge for our staff to operate the unit but now it has nothing but advantages. The great thing is that the machine takes over quality control.”

Johannes Erler
Managing Director Zimmerei-Holzbau Erler GmbH

DEFINITELY SUPERIOR TECHNOLOGY



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ISOCELL