

## ■ MATERIALS AND INNOVATIONS: THE TRANSLUCENT WOOD

A polished and flexible material able to live in harmony with light giving a shape to objects. This is the definition of translucent wood, a compact material like other types of wood suitable for any kind of inner or external design.

The translucent wood is a material composed by different layers stuck together guaranteeing endurance and compactness. Optic fibres are inserted between layers and this allow to light, natural or artificial, the penetration through the wood.

The translucent wood has the same solidity as the traditional one and it can be realized with infinite possibilities depending on the quantity of optic fibres, on colour and shape creating the perfect combination between wood and light.

For what concerns the types of wood to use there's a large choice comprehending maple, oak, mahogany and cherry. The translucent wood can present a smoothed surface and it can be subject to treatments like painting and application of mordant.

Furthermore, putting an object between wood and a light source it can create a particular theatrical effect.



Source : <http://www.bma.bg.it/en/news/55/materials-and-innovations--the-translucent-wood#>

## ■ PUSHFEED SAW OPTICUT S 50+: UNIVERSAL ACCESS TO THE HIGH-PERFORMANCE CLASS OF PUSHFEED SAWS

These features have always been characteristic for the OptiCut S 50. Moreover, the follow-up model of the revolutionary machine design offers universal applications for small and medium-sized companies. The modular design offers a perfect fit to your needs to give you the necessary flexibility for future extensions. This pushfeed saw is the right choice wherever packets or individual boards are cut in large quantities. Thanks to the optimized cutting process you can cut up to four times more than with a manual chop saw. The best thing about it? Your production remains highly efficient combined with a maximum yield. There is a lot of potential for increasing productivity, profit and added value in length cutting.

In addition to solid wood, many other materials can be processed, e.g. synthetics, aluminium or wood composites and a variety of profile shapes. No problem for the automatic OptiCut S 50+ ! Even inconvenient or heavy pieces can be handled without making time consuming pre-settings.



Source: <https://www.weinig.com/en/solid-wood/processing-procedures/cross-cutting.html>

Edited by:  
Prof.dr.eng. Teofil MIHĂILESCU