

## VISCAN-Portable: A new grading machine for local structural timber



**ROSEWOOD**  
**4.0** Sustainable Wood  
for Europe

The strength grading of timber is mandatory for structural uses. Most of the sawmills in the area are small or medium-sized enterprises that cannot acquire an automatic classification line because of the very high costs. For this reason it was decided to develop a new portable machine, with significantly reduced costs, which could be shared between the sawmill of the territory. The new grading machine was design starting from the technology ViSCAN of Microtec With these results, it becomes possible to introduce the machine strength grading among small/medium sawmills. Thanks to this new opportunity the companies can enjoy advantages both in terms of quantitative yields and efficiency in the classification. On the other hand, the portability of the machine is an interesting stimulus to its possible spread: neighboring sawmill could share the purchase or lease the equipment, reducing the amount of initial investment and operating costs. This sharing mode is well suited also to a non-continuous production of lumber. The machine was then set on the timber species present in the FMMF territory already used or potentially suitable for construction: ViSCAN-portable was officially certified as strength grading machine on March 2014. At the same date the settings for Douglas fir and black pine were approved, while for fir and chestnut they were approved on October 2014. Some local sawmills have already used the machine to grade their sawnwood for structural uses, but the VISCAN-portable has also been requested by other Italian regions, especially to grade chestnut timber.

## SZCZEGÓŁY

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### POCHODZENIE SUROWCA DRZEWNEGO

Las

### RODZAJ SUROWCA DRZEWNEGO

Drewno okrągłe

### POTENCJAŁ DLA MOBILIZACJI DREWNA

N/A

### RODZAJ DREWNA

sawnwood

### ŁATWOŚĆ WDROŻENIA

N/A

### WPŁYW NA ŚRODOWISKO I BIORÓŻNORODNOŚĆ

Implementation of the use of underutilized species as sawnwood

### ŁATWOŚĆ WDROŻENIA - OCENA

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### EFEKTY EKONOMICZNE

Added value to the raw material with consequently higher incomes for the sawmills

### KLUCZOWE WYMAGANIA

Knowledge of the technical regulation on strength grading for structural uses

### POTENCJAŁ W ZAKRESIE KOMERCYALIZACJI

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### RODZAJ WYDARZENIA, W KTÓRYM WYSTĄPIŁA DANA BPI

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### HUB

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### EFEKTY W ZAKRESIE ZATRUDNIENIA

Increase of the manufacture of local products with a consequent improvement for the supply chain and the whole sector

### WPŁYW NA GOSPODARKĘ

Improvement of grading yields

### KOSZT IMPLEMENTACJI (EURO - €)

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### WYMAGANA WIEDZA SPECJALISTYCZNA

Need of short training for use

WIĘCEJ  
INFORMACJI

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| WYZWANIE         | DOMENA  | RODZAJ ROZWIAZANIA            |
|------------------|---|-------------------------------|
| --               | Zarządzanie lasem, gospodarka leśna, usługi ekosystemowe, odporność | --                            |
| SŁOWA KLUCZOWE   | ROZWIAZANIE CYFROWE   | INNOWACJA                     |
| --               | Nie   | Tak                           |
| KRAJ POCHODZENIA | SKALA APLIKACJI   | ROK ROZPOCZĘCIA I ZAKOŃCZENIA |
| Włochy           | Krajowa   | 2014 -                        |

DANE  
KONTAKTOWE

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ŹRÓDŁA I  
MATERIAŁY

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STRONA INTERNETOWA ZASOBY

<http://www.ivalsa.cnr.it>

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STRONA INTERNETOWA PROJEKTU

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PROJEKT

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PROJEKT, W RAMACH KTÓREGO STWORZONA ZOSTAŁA NINIEJSZA FISZKA

Rosewood

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1 paź 2019

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[Link to Rosewood 4.0](#)



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



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