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



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.

DETALII

SURSA DE LEMN

Pădure

TIPUL DE LEMN

Lemn masiv

TIPUL DE LEMN îN CAUZă

sawnwood

IMPACTUL ASUPRA MEDIULUI șI BIODIVERSITățII

Implementation of the use of underutilized species as sawnwood

EFECT ASUPRA VENITURILOR

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

POTENțIAL DE EXPLOATARE

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HUB

--

IMPACT ECONOMIC

Improvement of grading yields

CUNOșTINțE SPECIFICE NECESARE

POTENțIALUL DE MOBILIZARE

N/A

POTENțIAL DE SUSTENABILITATE - VALOARE

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FACILITATEA DE IMPLEMENTARE

N/A

FACILITATEA DE IMPLEMENTARE - EVALUARE

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CONDIțII CHEIE PREALABILE

Knowledge of the technical regulation on strength grading for structural uses

TIPUL DE EVENIMENT LA CARE A FOST PREZENTAT ACEST IPB

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EFECT ASUPRA LOCURILOR DE MUNCă

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

COSTURI PENTRU IMPLEMENTARE (EURO - €)

--

Need of short training for use

MAI MULTE DETALII

PROVOCARE ABORDATă

--

DOMAIN

Managementul pădurilor, silvicultura, servicii ecosistemice, reziliență

TIP DE SOLUțIE

--

CUVINTE CHEIE

--

SOLUțIE DIGITALă

Nu

INOVAțIE

Da

ȚARA DE ORIGINE

Italia

SCARA DE APLICARE

Național

ANUL DE îNCEPUT șI DE SFâRșIT

2014 -

DATE DE CONTACT

PROPRIETAR SAU AUTOR

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REPORTER

REFERENCES AND RESOURCES

PAGINă WEB

http://www.ivalsa.cnr.it

WEBSITE PROJECT

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REFERINță PROIECT

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RESURSE

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PROIECTUL ÎN CADRUL CăRUIA A FOST CREATă ACEASTă FIșă INFORMATIVă

Rosewood

DATA POSTăRII

1 Oct 2019

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

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