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.

PODROBNOSTI

PôVOD DREVA
Les

DRUH DREVA
Kmeňové drevo

UVAžOVANý DRUH DREVA
sawnwood

VPLYV NA žIVOTNé PROSTREDIE A BIODIVERZITU
Implementation of the use of underutilized species as sawnwood

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

POTENCIáL VYUžITIA
--

ROZBOčOVAč
--

EKONOMICKý VPLYV
Improvement of grading yields

POTREBA šPECIFICKýCH ZNALOSTí

MOBILZAčNý POTENCIáL
N/A

POTENCIáL UDRžATEľNOSTI - HODNOTA
--

UľAHčENIE IMPLMENTáCIE
N/A

UľAHčENIE IMPLMENTáCIE - HODNOTENIE
--

KľúčOVé PREPOKLADY
Knowledge of the technical regulation on strength grading for structural uses

TYP PODUJATIA, NA KTOROM BOL TENTO BPI PREZENTOVANý
--

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

NáKLADY NA IMPLEMENTáCIU (EURO - €)
--

Need of short training for use

VIAC INFORMáCIí

RIEšENá VýZVA

--

DOMAIN

Lesné hospodárstvo/hospodárska úprava lesa, pestovanie lesa, ekosystémové služby, odolonosť

TYP RIEšENIA

--

KľúčOVé SLOVá

--

DIGITALNE RIEšENIE

Nie

INOVáCIE

Áno

KRAJINA PôVODU

Taliansko

ROZSAH APLIKáCIE

Národný

ZAčIATOK A KONIEC ROKA

2014 -

KONTAKTNé úDAJE

VLASTNíK ALEBO AUTOR

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REPORTéR

REFERENCES AND RESOURCES

HLAVNá WEBSTRáNKA

http://www.ivalsa.cnr.it

PROJEKTOVá WEBSTRáNKA

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REFERENCIA PROJEKTU

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ZDROJE

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PROJEKT, V RáMCI KTORéHO BOL TENTO INFORMAčNý PREHľAD VYTVORENý

Rosewood

DáTUM ODOSLANIA

1 okt 2019

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