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

IZVOR LESA

Gozd

TIP LESA

Okrogli les

VRSTA OBRAVNAVANEGA LESA

sawnwood

VPLIV NA OKOLJE IN BIODIVERZITETO

Implementation of the use of underutilized species as sawnwood

VPLIV NA PRIHODKE

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

POTENCIAL IZKORIŠČANJA

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VOZLIŠČE

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GOSPODARSKI VPLIV

Improvement of grading yields

POTREBNO SPECIFIČNO ZNANJE

POTENCIAL ZA MOBILIZACIJO

N/A

TRAJNOST - VREDNOST

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ENOSTAVNOST IZVEDBE

N/A

ENOSTAVNOST IZVEDBE - OCENJEVANJE

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KLJUČNI PREDPOGOJI

Knowledge of the technical regulation on strength grading for structural uses

VRSTA DOGODKA, NA KATEREM JE BIL PREDSTAVLJEN TA BPI

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VPLIV NA DELOVNA MESTA

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

STROŠKI IZVEDBE (EURO - €)

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Need of short training for use

VEČ PODROBNOSTI

IZZIV	DOMENA	TIP REŠITVE
--	Gojenje gozdov, gospodarjenje z gozdovi, odpornost, ekosistemske storitve	--

KLJUČNE BESEDE	DIGITALNE REŠITVE	INOVACIJA
--	No	Da

IZVORNA DRŽAVA	OBSEG UPORABE	ZAČETNO IN KONČNO LETO
Italija	Nacionalni	2014 -

KONTAKTN PODATKI

LASTNIK OZ. AVTOR

POROČEVALEC

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REFERENCES AND RESOURCES

SPLETNA STRAN

http://www.ivalsa.cnr.it

SPLETNA STRAN PROJEKTA

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REFERENCA PROJEKTA

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VIRI

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PROJEKT, V OKVIRU KATEREGA SO BILI ZBRANI OSNOVNI PODATKI

Rosewood

DATUM OBJAVE

1 Okt 2019

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