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.

Λεπτομέρειες

Προέλευση ξυλείας

Δάσος

Τύπος ξυλείας

Κορμοξυλεία

Τύπος εμπλεκόμενης ξυλείας

sawnwood

Επιπτώσεις στο περιβάλλον και τη βιοποικιλότητα

Implementation of the use of underutilized species as sawnwood

Δυνατότητες ειδοδήματος

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

Δυνατότητες για εκμετάλλευση

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Κόμβος

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Οικονομικός αντίκτυπος

Improvement of grading yields

Ειδικές προαπαιτούμενες γνώσεις

Δυνατότητες διακίνησης

N/A

Δυναμικό βιωσιμότητας - Αξία

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Ευκολία υλοποίησης

N/A

Ευκολία εφαρμογής - Αξιολόγηση

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Βασικά προαπαιτούμενα

Knowledge of the technical regulation on strength grading for structural uses

Τύπος εκδήλωσης στην οποία έχει παρουσιαστεί αυτός ο **BPI**

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Δυνατότητες εργασίας

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

Κόστος υλοποίησης (ευρώ - **€**)

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Need of short training for use

Περισσότερες λεπτομέρειες

Πρόκληση η οποία αντιμετωπίζεται

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Όνομα χώρου

Διαχείριση δασών, δασοκομία, υπηρεσίες οικοσυστήματος, ανθεκτικότητα

Τύπος λύσης

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Λέξεις κλειδιά

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Ψηφιακή λύση

όχι

Καινοτομία

Ναι

Χώρα προέλευσης

Ιταλία

Κλίμακα της εφαρμογής

Εθνικό

Έτος έναρξης και λήξης

2014 -

Στοιχεία επικοινωνίας

Ιδιοκτήτης ή συγγραφέας

Αναφορεάς

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REFERENCES AND RESOURCES

Κύριος ιστότοπος

http://www.ivalsa.cnr.it

Ιστότοπος έργου

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Αναφορά έργου

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Πηγές

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Έργο για το οποίο έχει δημιουργηθεί το παρόν φύλλο πληροφοριών

Rosewood

Ημερομηνία δημοσίευσης

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