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.

HERKUNFT DES HOLZES	MOBILISIERUNGSPOTENZIAL
Wald	N/A
ART DES HOLZES	
Stammholz	POTENZIAL FÜR NACHHALTIGKEIT - WERT
ART DES BETROFFENEN HOLZES	LEICHTE IMPLEMENTIERUNG
sawnwood	N/A
AUSWIRKUNGEN AUF UMWELT UND BIODIVERSITÄT	LEICHTE IMPLEMENTIERUNG - BEWERTUNG
Implementation of the use of underutilized species as sawnwood	
EINKOMMENSEFFEKT	WICHTIGE VORAUSSETZUNGEN
Added value to the raw material with consequently higher incomes for the	Knowledge of the technical regulation on strength grading for structural uses
sawmills	
VERWERTUNGSPOTENZIAL	ART DER VERANSTALTUNG, AUF DER DIESE BPI VORGESTELLT WURDE
NABE	ARBEITSPLATZEFFEKT
	Increase of the manufacture of local products with a consequent
	improvement for the supply chain and the whole sector
WIRTSCHAFTLICHE AUSWIRKUNGEN	KOSTEN DER IMPLEMENTIERUNG (EURO - €)
Improvement of grading yields	

Need of short training for use

MEHR DETAILS

ANGESPROCHENE HERAUSFORDERUNG	DOMäNE	ART DER LÖSUNG
	Waldmanagement, Waldbau, Ökosystemleistungen,	
	Resilienz	
SCHLüSSELWöRTER	DIGITALE LÖSUNG	INNOVATION
	Nein	Ja
HERKUNFTSLAND	UMFANG DER ANWENDUNG	ANFANGS- UND ENDJAHR
Italien	National	2014 -
KONTAKTDATEN		
EIGENTÜMER ODER AUTOR	REPORTER	
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REFERENCES AND RESOURCES		
HAUPT-WEBSITE	RESSOURCEN	
http://www.ivalsa.cnr.it		
PROJEKT-WEBSITE		
PROJEKT-REFERENZ		

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PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood

BEITRAGSDATUM

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