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.

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DéTAILS	
ORIGINE DU BOIS	POTENTIEL DE MOBILISATION
Forêt	N/A
TYPE DE BOIS	
Grume	POTENTIEL DE DURABILITÉ - VALEUR
TYPE DE BOIS CONCERNÉ	FACILITÉ D'IMPLÉMENTATION
sawnwood	N/A
IMPACT SUR L'ENVIRONNEMENT ET LA BIODIVERSITÉ	FACILITÉ D'IMPLÉMENTATION - ÉVALUATION
Implementation of the use of underutilized species as sawnwood	
EFFET SUR LE REVENU	PRÉREQUIS CLÉS
Added value to the raw material with consequently higher incomes for the	Knowledge of the technical regulation on strength grading for structural uses
sawmills	
POTENTIEL D'EXPLOITATION	TYPE D'ÉVÉNEMENT OÙ CETTE ICPE A ÉTÉ PRÉSENTÉE
HUB	EFFET SUR L'EMPLOI
	Increase of the manufacture of local products with a consequent
	improvement for the supply chain and the whole sector
IMPACT éCONOMIQUE	COûTS D'IMPLéMENTATION (EURO - €)
Improvement of grading yields	

CONNAISSANCES SPÉCIFIQUES REQUISES

Need of short training for use

PLUS DE DéTAILS			
DéFI CONCERNé	DOMAINE	TYPE DE SOLUTION	
	Getsion forestière, sylviculture, services		
	écosystémiques, résilience		
MOTS-CLéS	SOLUTION DIGITALE	INNOVATION	
	Non	Oui	
PAYS D'ORIGINE	ECHELLE D'APPLICATION	DéBUT ET FIN D'ANNéE	
Italie	Nationale	2014 -	
INFORMATIONS DE CONTACT			
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REFERENCES			
SITE WEB PRINCIPAL	RESSOURCES		
http://www.ivalsa.cnr.it			
SITE WEB DU PROJET			
RéFéRENCE DU PROJET			

PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A ÉTÉ CRÉÉE

Rosewood

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