

Report No. ITT/107/08/11	INITIAL TYPE TESTING REPORT This ITT report contains revised and/or additional grading machine settings to those given in EN 14081-4:2009.	DATE OF ISSUE March 2014
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Note. ITT reports for EN 14081-4 are numbered using the initials ITT followed by three numbers separated by slashes. The first number denotes the number of each report in chronological order. The second number denotes the number for the particular type of grading machine as given in EN 14081-4:2009. The third number gives the report number for the type of machine in chronological order.

GRADING MACHINE

The settings in this ITT report are relevant to the **ViSCAN** timber strength grading machine.

MANUFACTURER

The manufacturer of the ViSCAN timber grading machine is:

MiCROTEC s.r.l. - GmbH
Via Julius Durst 98
39042 Bressanone (BZ)
Italy

REFERENCE

Clause 5 of EN 14081-4:2009 contains the following paragraph:

‘The accepted grading machines and settings in this European Standard are based on initial type testing (ITT) and initial type calculation (ITC). When additional ITT and ITC documentation from the manufacturers has been evaluated by CEN/TC124/TG1 and the accepted values are given in an ITT report, which is the basis for certification by the Notified Bodies overseeing the producers factory production control (FPC). Those ITT reports may be used as ITT documentation before the information they contain becomes available in an amendment or revision of this European Standard, EN 14081-4.’

This ITT report is one of a number of reports to which the above paragraph refers and may therefore be used as documentation prior to a further revision of EN 14081-4, or until it is superseded by a later dated ITT report for the same grading machine.

CHANGES TO SETTINGS LISTED IN EN 14081-4:2009

The settings listed in the following tables 8-1 to 8-26, which are the subject of the research reports listed in the table titles, have been assessed by CEN TC124/WG2/TG1 and are approved for use in the production of structural timber to EN 14081-1 from the date of this ITT report.

The existing tables 8-1 to 8-10 in EN 14081-4 and tables 8-1 to 8-14 in ITT/06/08/01 and tables 8-1 to 8-14 in ITT/21/08/02 and tables 8-1 to 8-14 in ITT/32/08/03 and tables 8-1 to 8-16 in ITT/35/08/04 and tables 8-1 to 8-17 in ITT/47/08/05 and tables 8-1 to 8-18 in ITT/51/08/06 and tables 8-1 to 8-18 in ITT/62/08/07 and tables 8-1 to 8-19 in ITT/66/08/08 and tables 8-1 to 8-21 in ITT/81/08/09 and tables 8-1 to 8-22 in ITT/96/08/10 are superseded by the tables given in this ITT report. Tables 8-23 to 8-25 given in this ITT report are new tables.

On behalf of CEN TC 124/TG1

Signature of convener

Date March 2014

Table 8-24 — Settings for ViSCAN (Model given in TG1/201403/14) (continued)

Source country or countries	Source mark ^a	Species	Permitted timber size ^b (mm)	Grade ^c or grade combination	Model value			Comments and additional requirements
						E _{mod}		
Austria	AT	Norway spruce <i>Picea abies</i>	27 ≤ t _n ≤ 66 63 ≤ b _n ≤ 319	T22		12 500		<p>Requirements for grading:</p> <ul style="list-style-type: none">– Timber temperature: > -10°C.– If the timber temperature is between -10°C and -20°C then E_{mod} shall be adjusted to be more conservative by 2%.– Whenever the machine uses the measured moisture content and adjusts the settings model for each individual piece, the moisture content of each piece shall be between 4% and 24% otherwise, the mean moisture content of the batch shall be between 8% and 20%, and all pieces in the batch shall not deviate by more than four percentage points from the mean.– Maximum feed speed: 180 pieces/min– Timber surface planed or sawn. <p><i>Picea abies</i> and <i>Abies alba</i> are processed together in Europe, and this species combination is referred to WPCA according to EN 14081-1.</p> <p>The same settings apply if one of the following machines operates in ViSCAN mode: GoldenEye-706, ViSCAN-PLUS, ViSCAN-COMPACT.</p>
Czech Republic	CZ			T14		9 400		
Germany	DE			T11		6 200		
Finland	FI	Sliver fir <i>Abies alba</i>		T22		12 500		
Poland	PL			T14		9 300		
Romania	RO			T10		5 600		
Russia ^d	RU			T22		12 500		
Sweden	SE			T13		6 100		
Slovakia	SK			T21		12 500		
Ukraine	UA			T13		6 100		
				T21		12 500		
				T11		5 600		
				T18		11 600		
				T11		5 600		
				T16		10 600		
				T8		5 600		
				T14		6 900		
				T13		5 600		

^a Code identifying the country or region of origin in accordance with EN ISO 3166-1.

^b Timber size shall be to EN 336.

^c Grades prefixed by T are tensile strength classes given in EN 14080.

^d Settings apply only to timber grown west of the Urals and north of the 55 degree line of latitude.

Table 8-25 — Settings for ViSCAN (Model given in TG1/201403/22) (continued)

Source country or countries	Source mark ^a	Species	Permitted timber size ^b (mm)	Grade ^c or grade combination	Model value			Comments and additional requirements
						E _{mod}		
Finland Poland Sweden	FI PL SE	Scots pine <i>Pinus sylvestris</i>	32 ≤ t _n ≤ 55 86 ≤ b _n ≤ 220	T26		12 700		Requirements for grading: – Timber temperature: > -10°C. – If the timber temperature is between -10°C and -20°C then E _{mod} shall be adjusted to be more conservative by 2%. – Whenever the machine uses the measured moisture content and adjusts the settings model for each individual piece, the moisture content of each piece shall be between 4% and 24% otherwise, the mean moisture content of the batch shall be between 8% and 20%, and all pieces in the batch shall not deviate by more than four percentage points from the mean. – Maximum feed speed: 180 pieces/min – Timber surface planed or sawn. The same settings apply if one of the following machines operates in ViSCAN mode: GoldenEye-706, ViSCAN-PLUS, ViSCAN-COMPACT.
				T14		10 000		
				T10		6 000		
				T24		11 900		
				T14		10 900		
				T10		5 700		
				T24		12 000		
				T13		7 300		
				T22		11 300		
				T13		8 400		
				T21		11 000		
				T11		5 700		
T18		9 600						
T10		6 900						
T16		8 400						
T8		5 700						
T14		6 900						
T13		5 700						

^a Code identifying the country or region of origin in accordance with EN ISO 3166-1.
^b Timber size shall be to EN 336.
^c Grades prefixed by T are tensile strength classes given in EN 14080.