

LABROUGHNESS

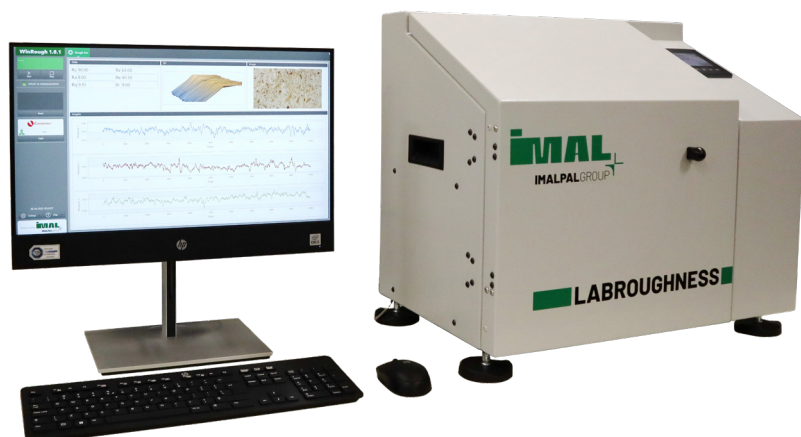
BEST IN CLASS FOR:



WOOD BASED PANELS:

PB/SPB

MDF/HDF



The LABROUGHNESS Roughness Optic Control has been designed to select and grade samples of wood-based panels in relation to their surface roughness; the device is able to supply an analysis of the surface profile of the sample. The sample grading is determined by the analysis of the parameters obtained, e.g. Ra, Ry, Rz... The device is equipped with a camera that takes high resolution photographs of the surface of the sample that is being analysed.

It has a built-in touch panel for carrying out all the operations required. It may be connected via Ethernet to a PC for carrying out a more detailed analysis utilizing the dedicated WinRough software supplied with the unit.

MAIN FEATURES:

- Non-invasive measurement: unlike traditional contact methods, the system utilizes an optic laser triangulation technique to conduct the test
- Profile with micron resolution
- Possibility of conducting up to 3 scans on the sample analysed along different pre-established paths
- Rapid response
- High resolution image of the surface of the board
- User-friendly software for analysing and storing the data and images taken by the unit

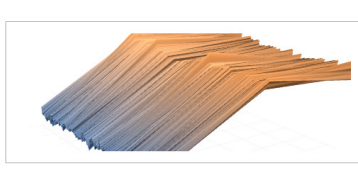

ADVANTAGES:

- Samples graded on the basis of their surface finish, to select the most suitable ones for the subsequent work processes such as lacquering and lamination
- Improved board quality
- Fewer rejects

WinRough 1.0.1

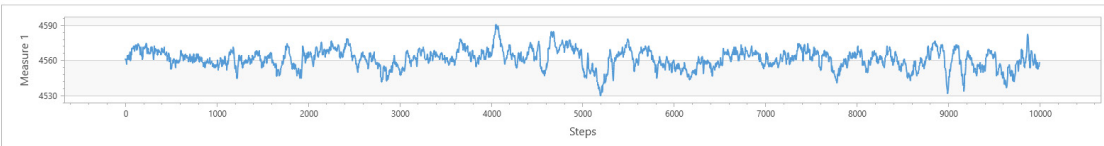
Rough live

Ready

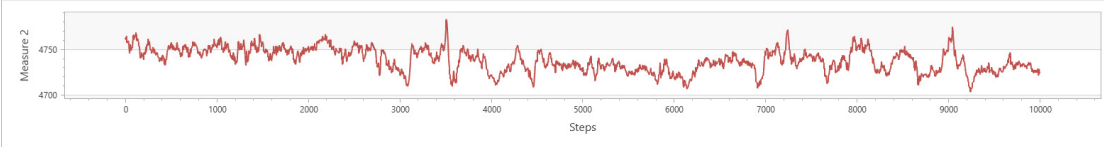
Data		3D	Image
Ry	90.00		
Ra	8.00		
Rq	9.91		
Rz	63.00		
Re	40.50		
Ri	9.00		

Graphs

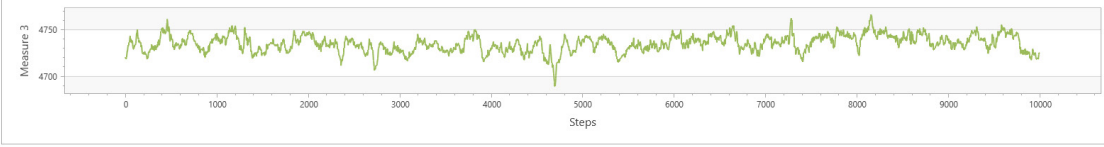
Measure 1



Measure 2



Measure 3



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Settings Help

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MAIN FEATURES

SAMPLE SIZE	100 mm x 100 mm
MAXIMUM SAMPLE THICKNESS	65 mm
LASER TRIANGULATION SENSOR RESOLUTION	1 µm
CAMERA RESOLUTION	2 Mpixel/cm ²
POWER SUPPLY	220 Vac - 110Vac