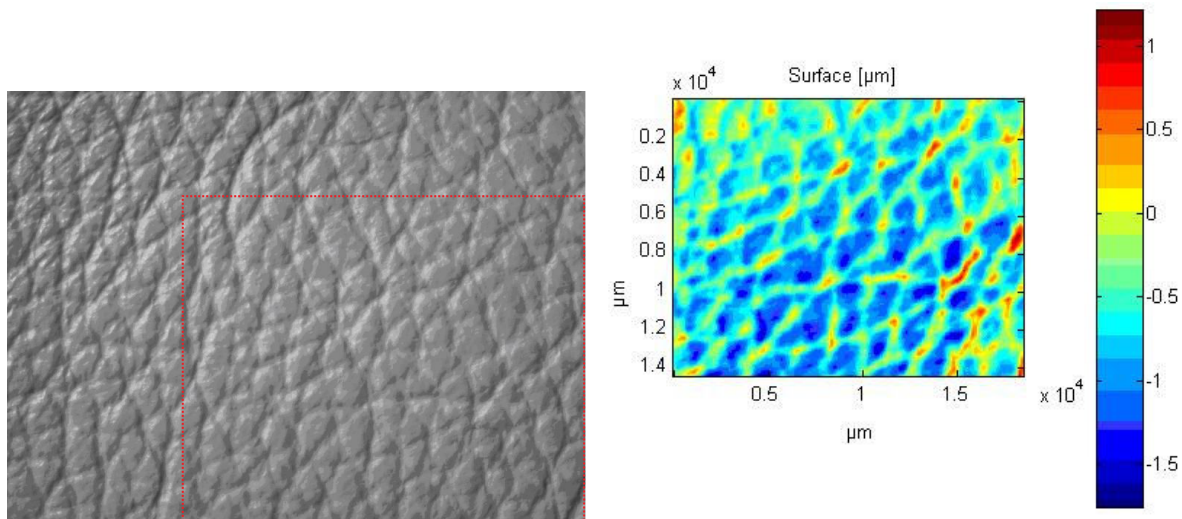


## Reconstruction of 3D skin topography

Measurement of 3D skin topography to control the action of anti-wrinkle medicaments can be made by using the GetPhase<sup>®</sup> software, from the images acquired using other measurement systems, in less than 2 sec.

In the experiment on reconstruction of the 3D skin topography, the parameters of the system are as follows:

	Parameter	Value	Units
Camera	Camera pixel size Dx	8.3	microns
	Camera pixel size Dy	8.3	microns
Objective lens	Objective lens numerical aperture	0.077	object side
	Objective lens focal distance	12.5	mm
	Objective lens magnification	0.2	object/image
Illumination	Source (Laser/LED/Halogen lamp / ...)	neon	
	Central Wavelength	550	nm
	Bandwidth (if applicable)	Visible 400-800	nm



**Figure 1. (a) Image of a skin sample. Image size is 32.3 x 24.2 mm. (b) 3D view of the region (bounded by the dot line) of the skin's topography reconstructed by GetPhase<sup>®</sup>.**

In cosmetology, measurements of wrinkles is straightforward with the metrological systems equipped with the GetPhase<sup>®</sup> software.