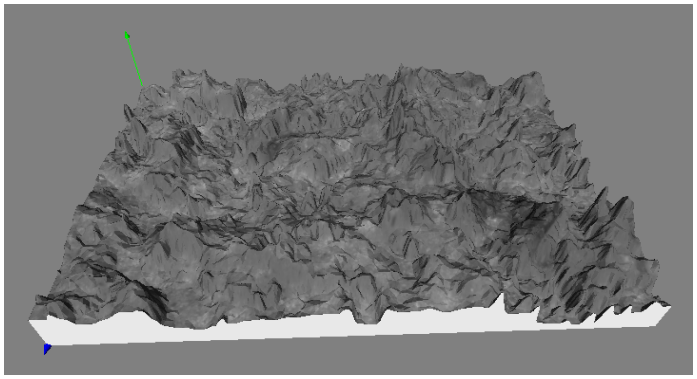
CLEMEX

12/29/2005

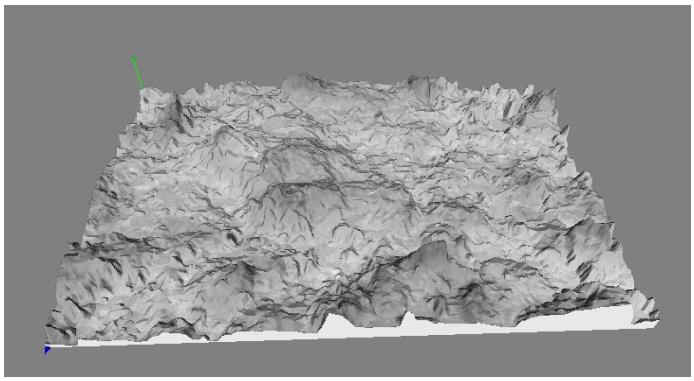
Image Analysis Report # 666

Samples submitted	Two abrasive papers Sample 1: Fepa 400 Beige color Sample 2: Fepa 400 Orange color
Purpose of analysis	Determine protrusion height distribution of grains above binding media
Procedure:	Four adjacent fields were analysed on each sample, in order to see if variation in topography could be discerned and measured accurately. Measurements were taken on a grid of 9.5 x 9.5 microns on all four fields and a distribution was plotted as well as a 3D representation of the topography

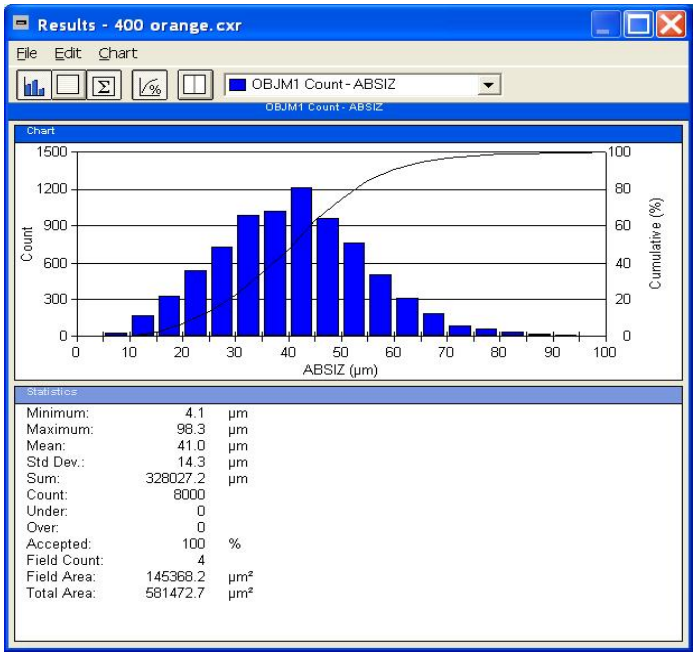
Analysis parameter				
	Magnification used:	50X	Calibration Factor:	1.46 mic/pixel
	Camera used:	1.3 Mp Mono	Stage:	215x75 mm Motorized
	Microscope:	PS3 (DM-LA)	Autofocus:	PS3 (DM-LA)
	Number of slides analys	4	Number of fields/slide:	135 (15x9)
	Clemex Software used	PS3		

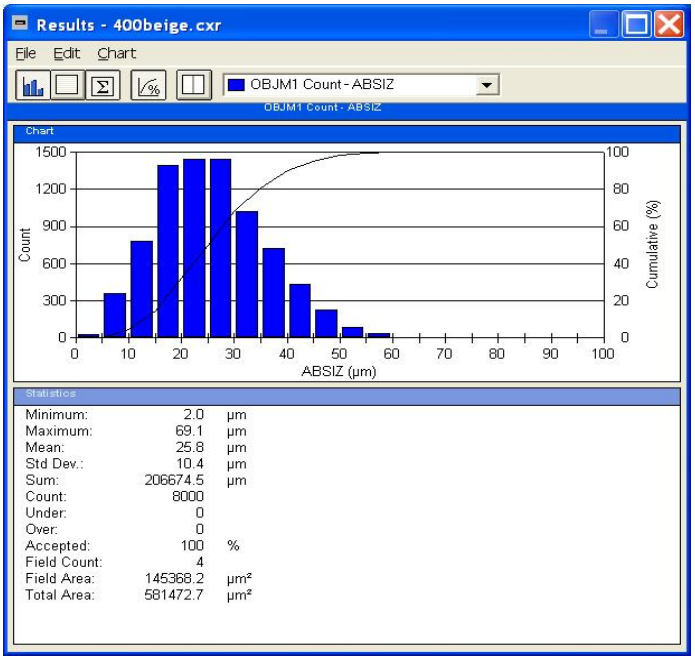


Orange sample



Beige sample

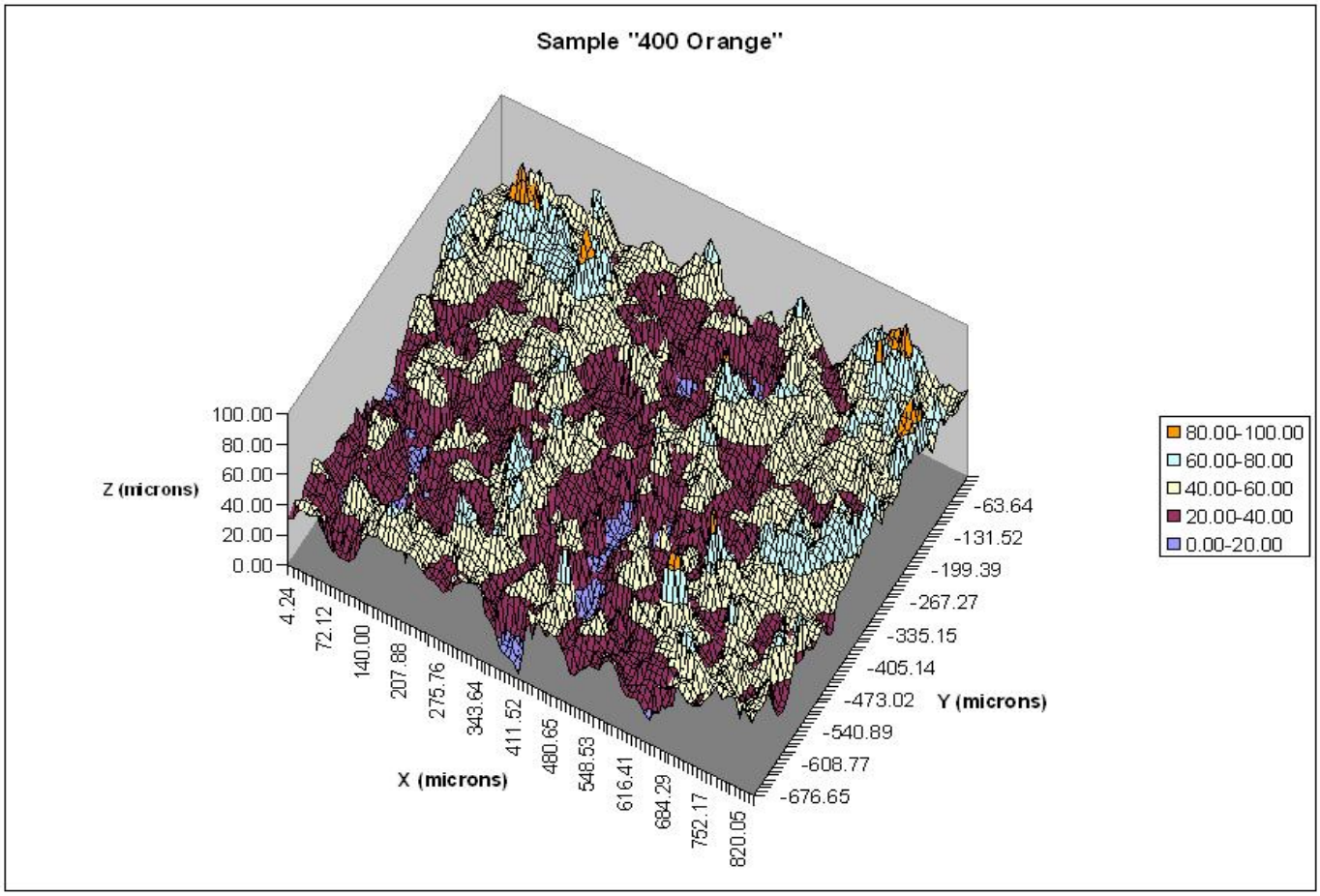




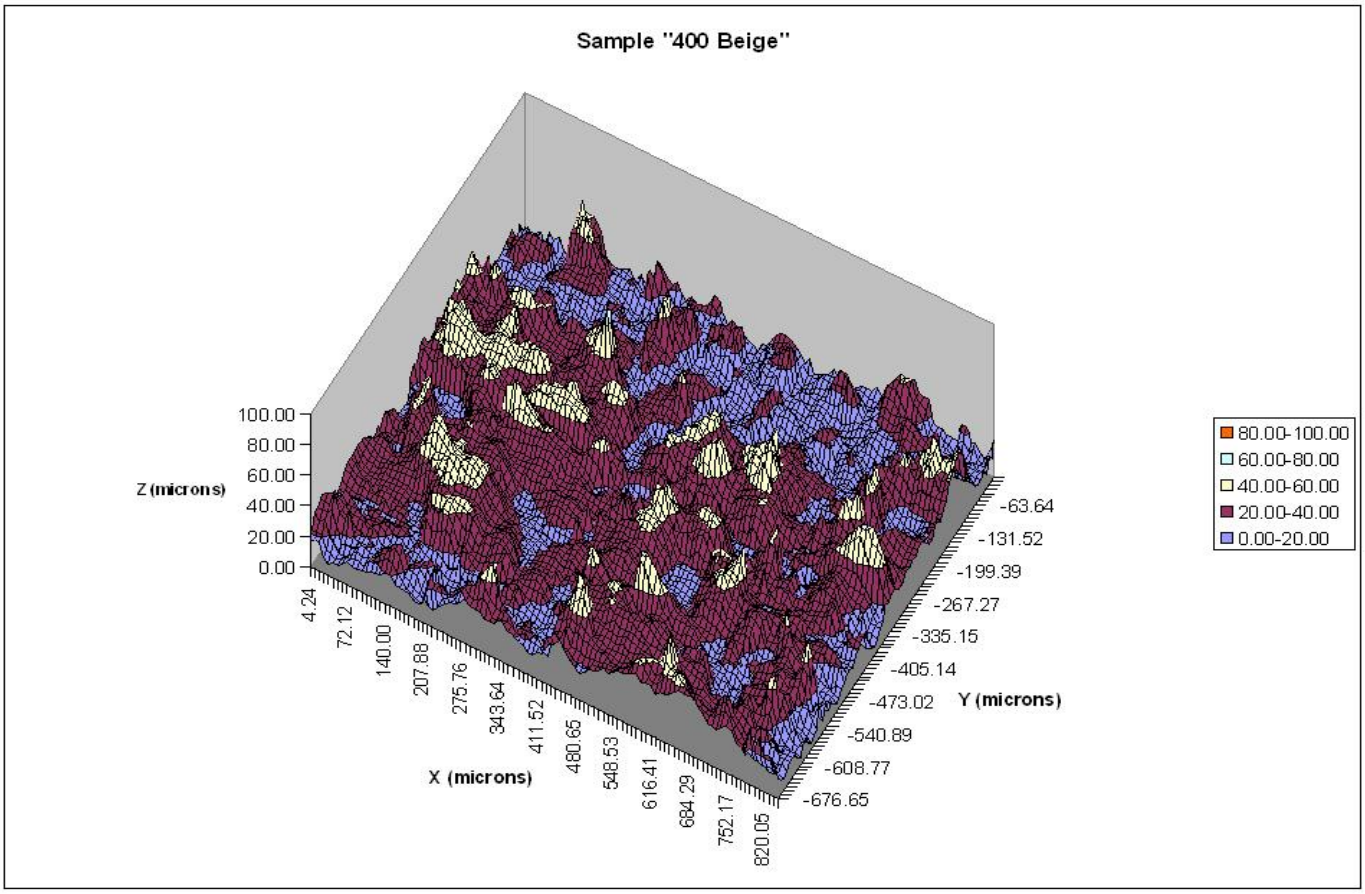
CLEMEX

Summary:

Orange Sample		Beige Sample	
Mean height:	**41** mic	**25.8**	mic
STD	**14** mic	**10**	mic
Max Height:	**98.3** mic	**69.1**	mic



Orange Sample Topography, 4 fields



Beige Sample Topography, 4 fields