
the amplitudes of the first three modes were greater than the other modes. According to the results, R-770 surface obtained the highest amplitude of 10.43 μm (mode 3) which was 1.85 times greater than that of the titanium plate. The surface roughness of the R-770 material was measured. The mean roughness ($*Ra*$) was 0.72 μm . In order to evaluate the effect of surface roughness on the stability of the polishing pads, we measured the roughness of each of the polishing pads. Table [1](#T1){ref-type="table"} shows the mean surface roughness ($*Ra*$) of the polishing pads measured by a profilometer. 2d92ce491b