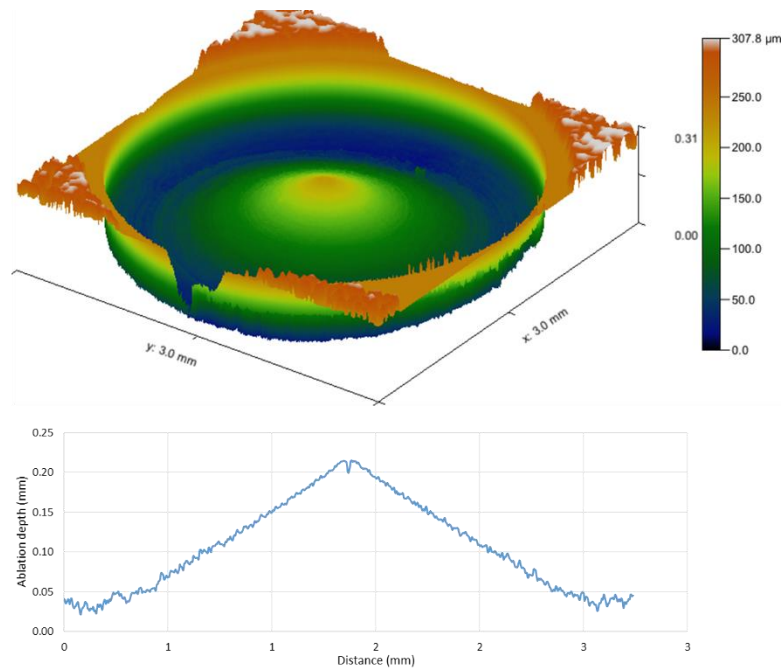
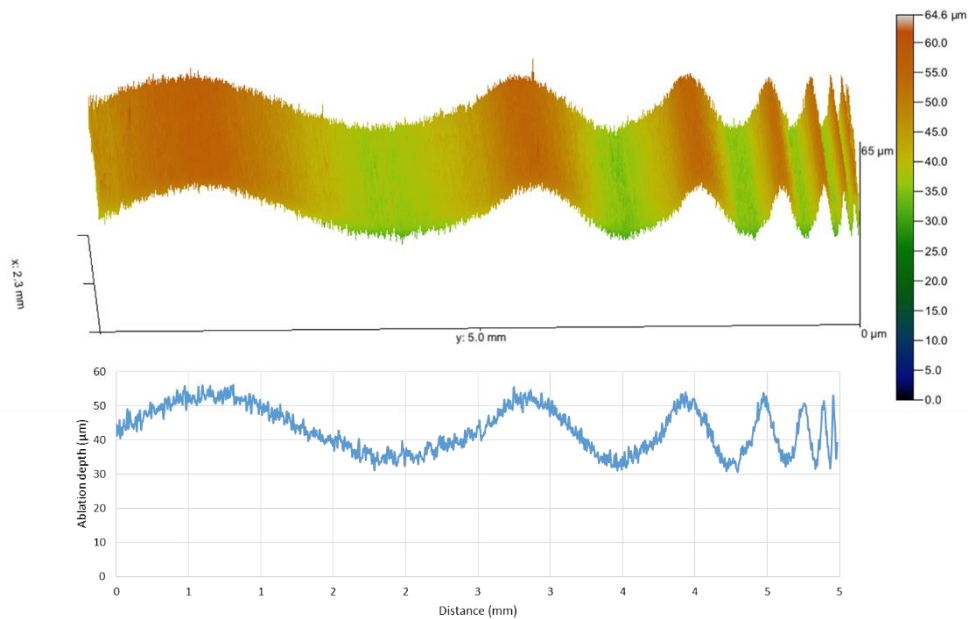


Appendix C – Axicon and Linear chirp machined on fused silica



Appendix C.1. Axicon machined on fused silica using sequential machining technique using $\lambda = 515 \text{ nm}$, $O_{\text{scan}} = 42.5\%$. The surface was measured using the Alicona InfiniteFocus optical profilometer.



Appendix C.2. Linear chirp machined on fused silica using the sequential scan technique using $\lambda = 515 \text{ nm}$, $O_{\text{scan}} = 42.5\%$. The surface was measured using the Alicona InfiniteFocus optical profilometer.

Examples of an axicon and a linear chirp (a freeform surface) produced on fused silica using the picosecond laser is given in Appendix C.1 and C.2.