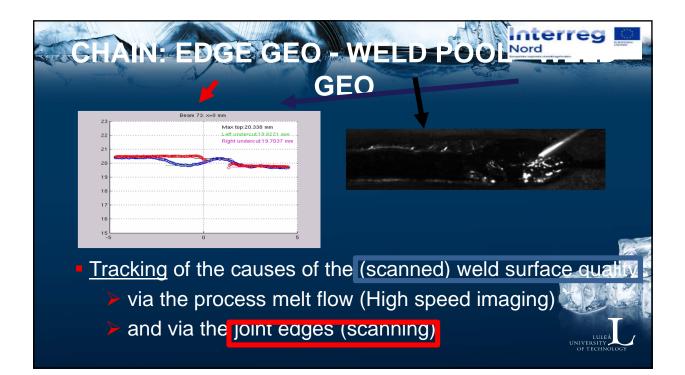
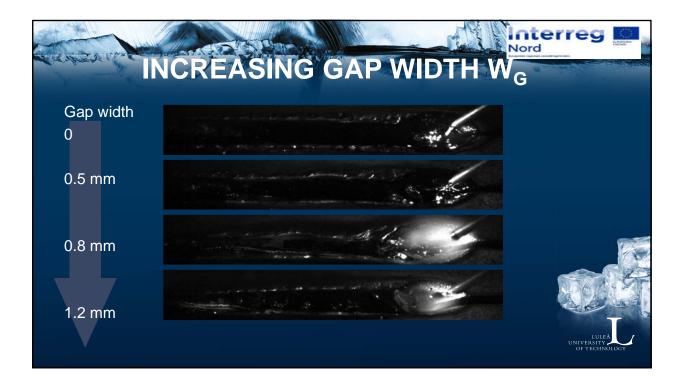
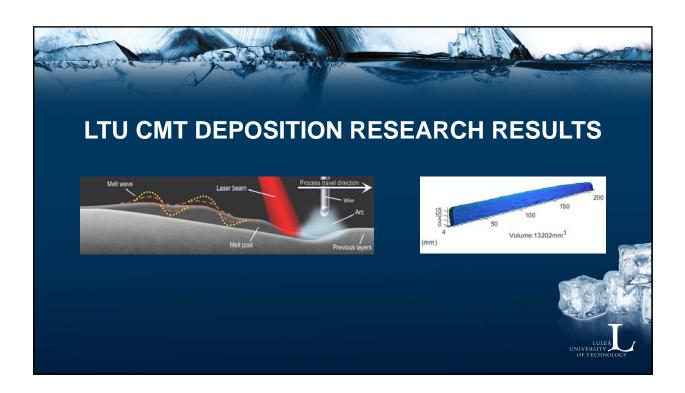
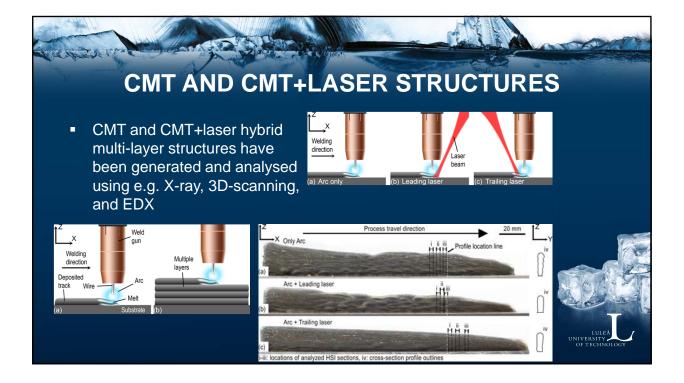


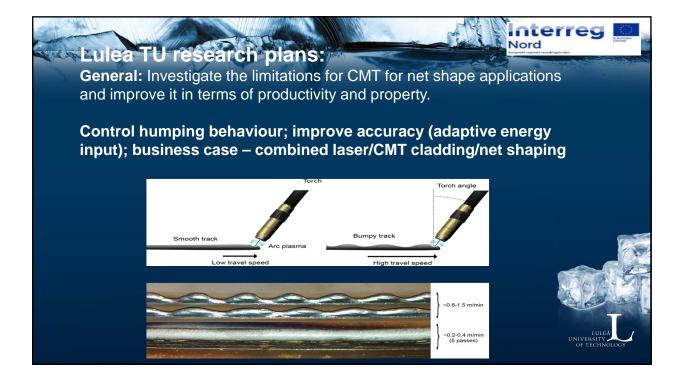
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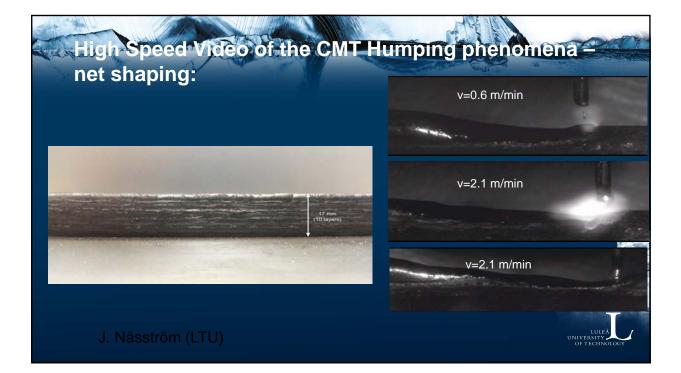




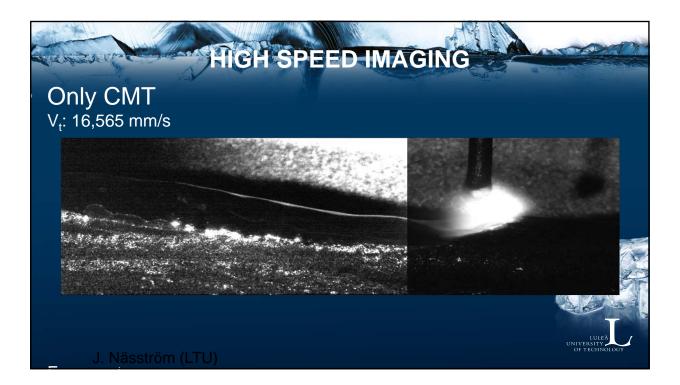


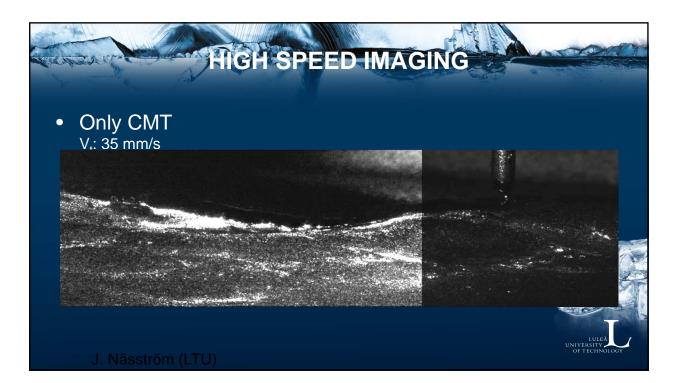


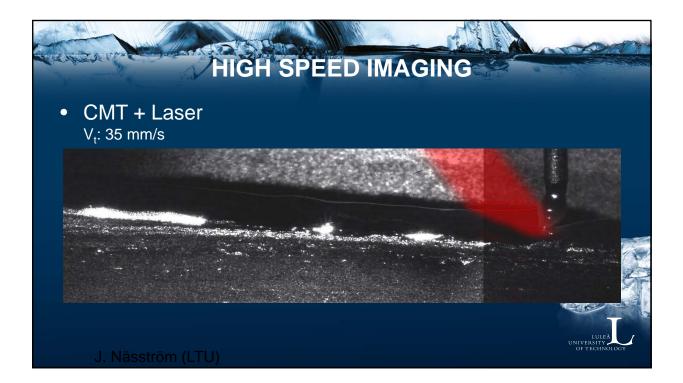


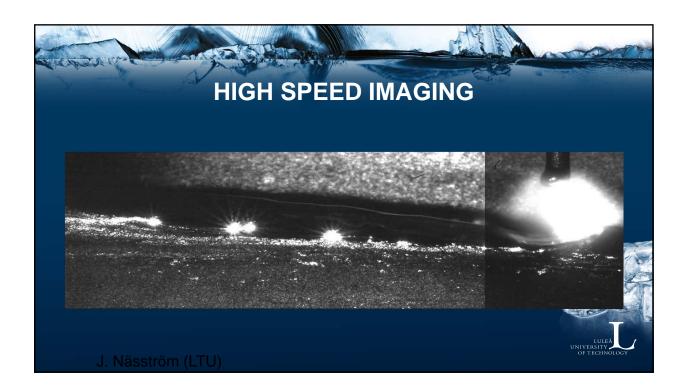




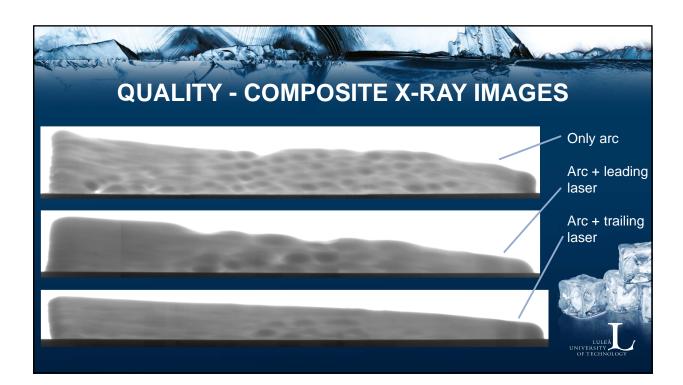


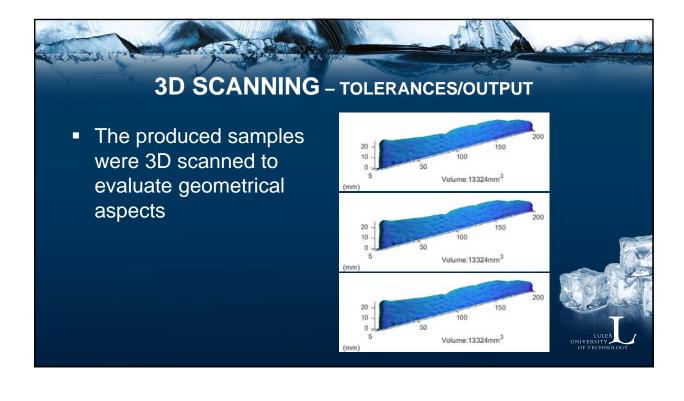


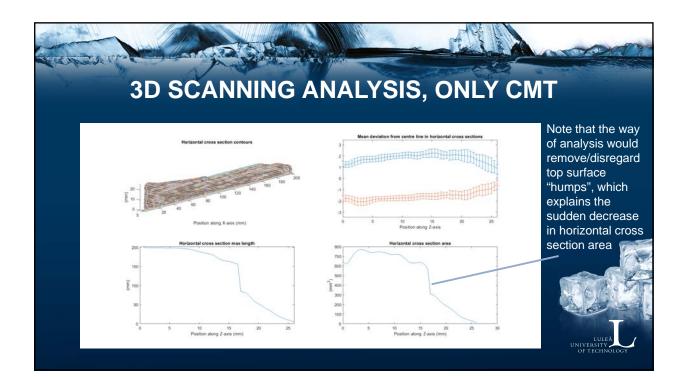


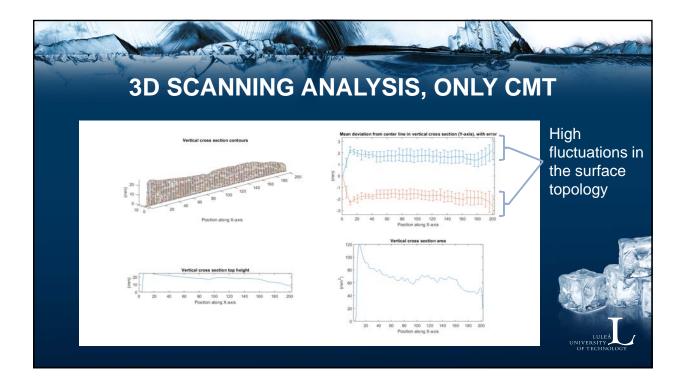


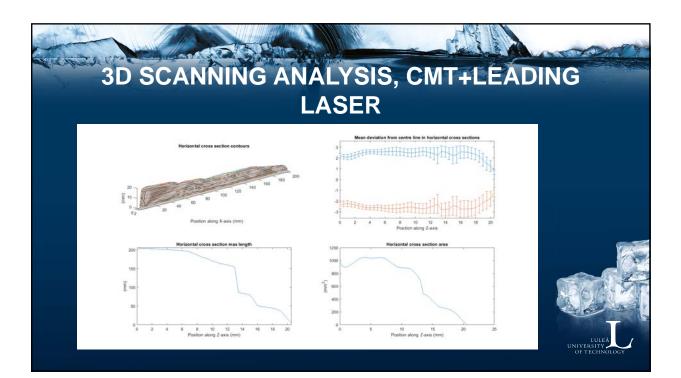


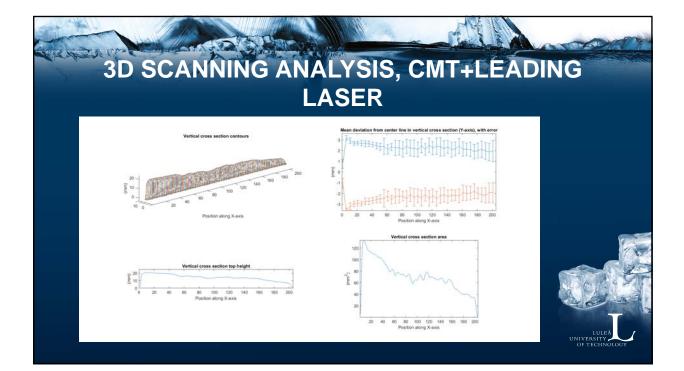


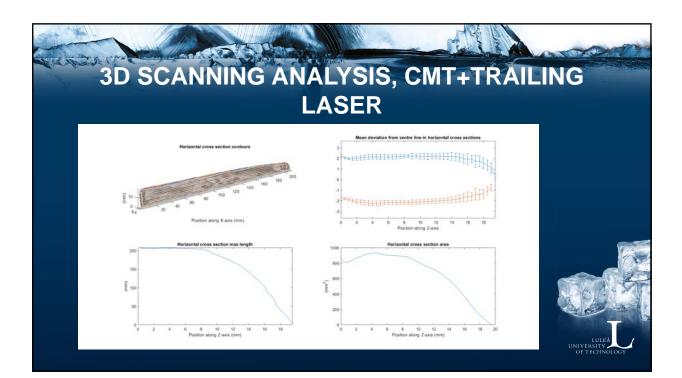


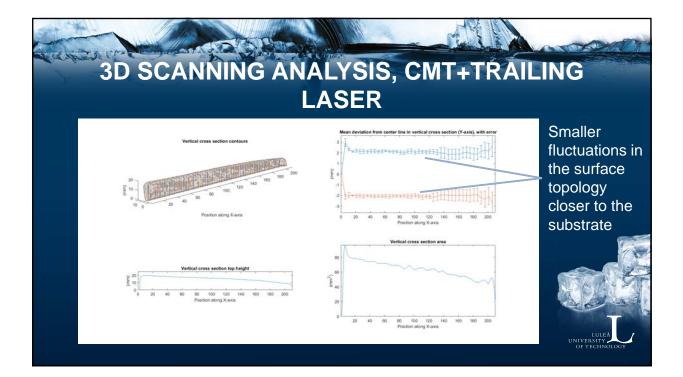






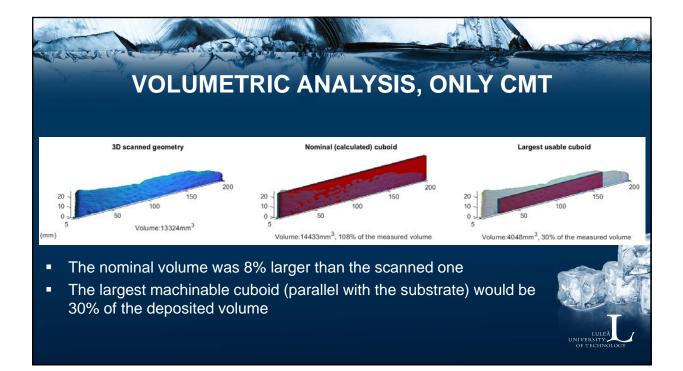


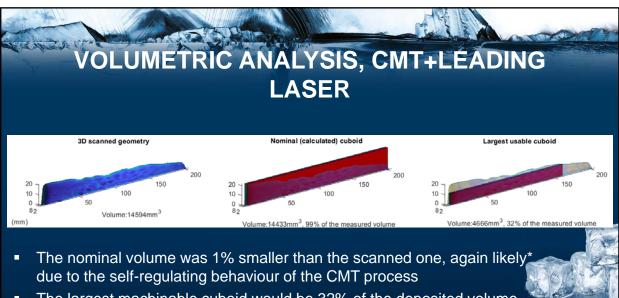




VOLUMETRIC ANALYSIS

- Scanned geometry, nominal cuboid (calculated from wire feed rate, travel speed and layer raising height) and the largest volume cuboid inside the scanned parts were compared to determine how much of the generated structures may be used if all surface unevenness were to be machined off
- Note that the difference between the scanned and nominal volumes is likely due to the self-adjusting nature of the CMT process, where the wire is repeatedly fed downwards towards the underlying metal until the molten wire tip touches it and the short-circuit phase is initiated; upon which the wire is retracted for a certain period of time and then fed downwards again





 The largest machinable cuboid would be 32% of the deposited volume, and 35% of the one made using only CMT

