

Abstract Supplement

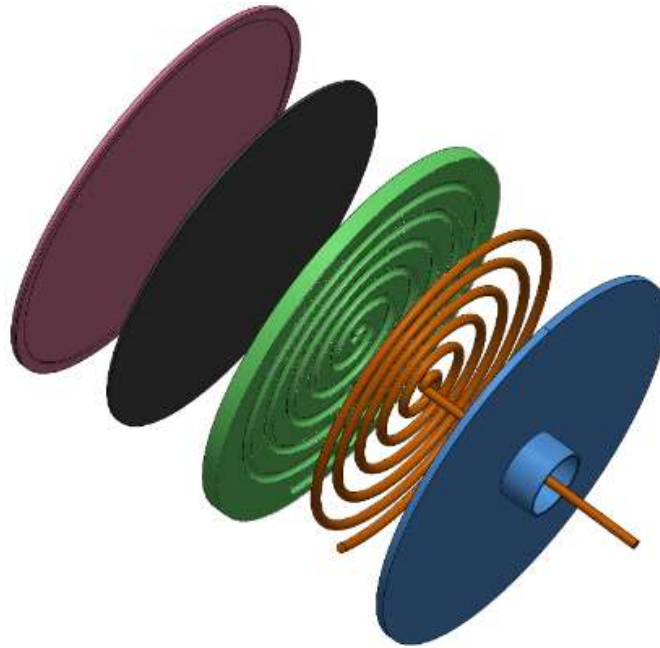


Figure 1: Schematic showing the thermally conductive blank made of the top plate (pink), TPG® (black), bottom plate (green), which is then integrated with the heating coil (orange) and sealed with a backing plate (blue).

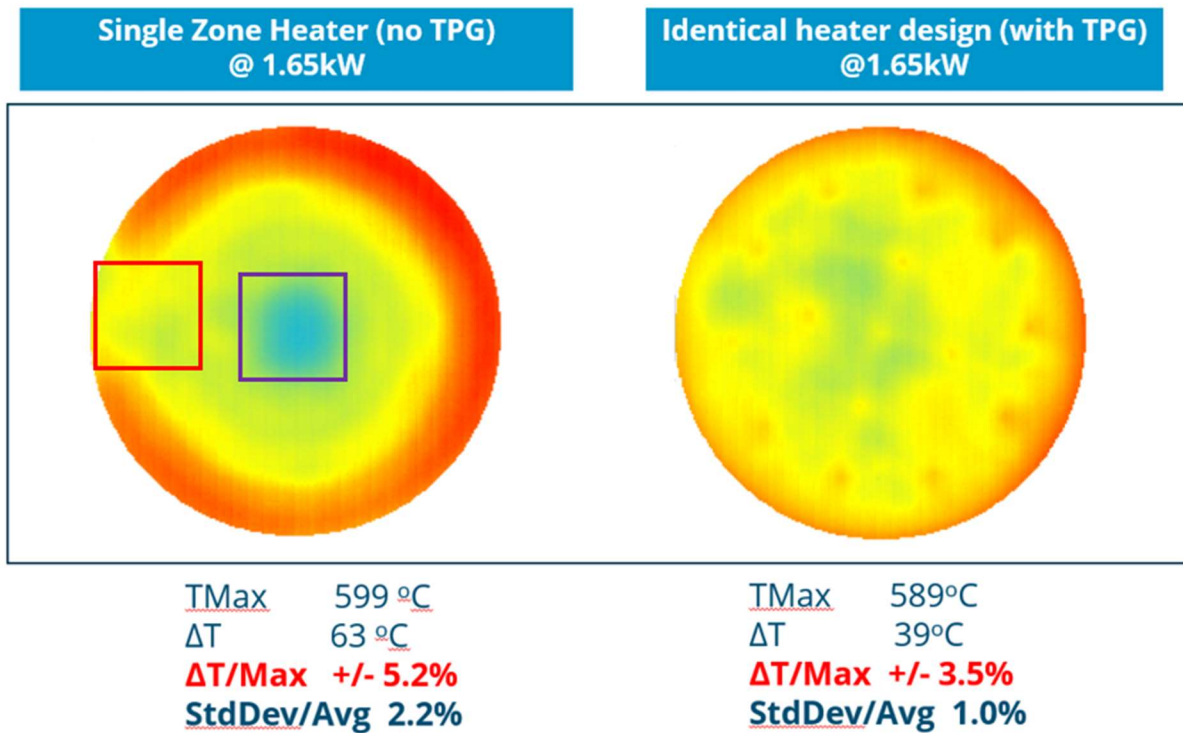


Figure 2: Thermal maps showing the temperature variation for the standard 8" stainless steel, single zone pedestal heater (left), and the same heater design with TPG® integrated inside (right). With only one zone and no optimization, the thermal uniformity was improved by roughly 2x. Local variations (red and purple squares) were eliminated.