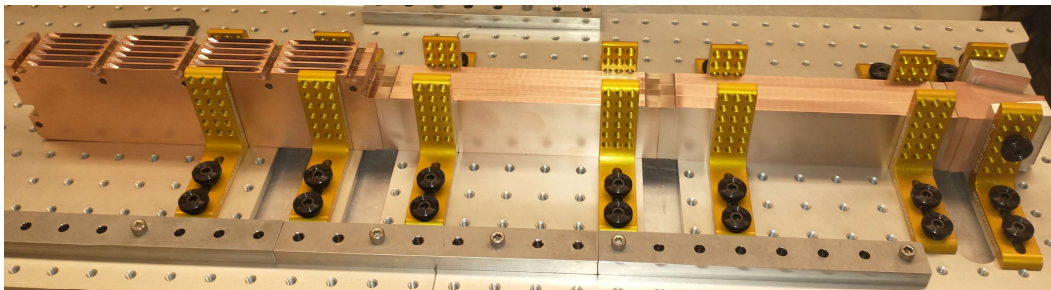
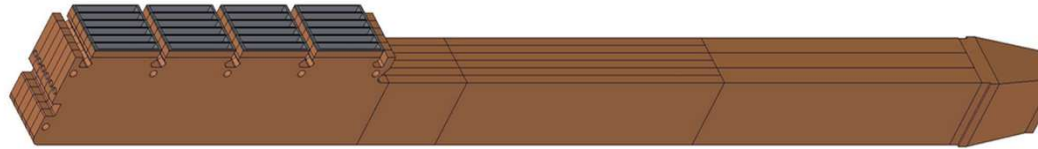
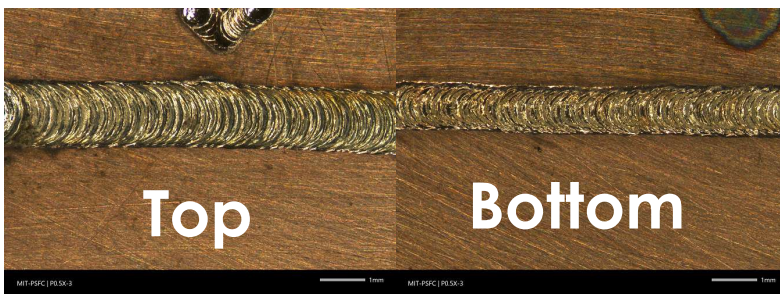


# Additive Manufacturing of GRCop-84 Results in a High Strength Copper Alloy for Fusion Engineering

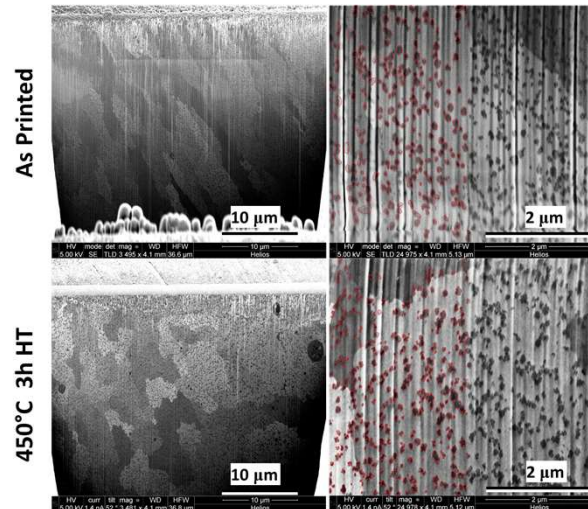
Additive manufacturing enables monolithic printing of complex RF structures



Laser welding results in 450 MPa UTS, smooth top and bottom surfaces



Heat treatment selects tensile properties



**As Printed**

**Yield=500 MPa  
UTS=740 MPa**

**450C 3h**

**Yield=790 MPa  
UTS=970 MPa**