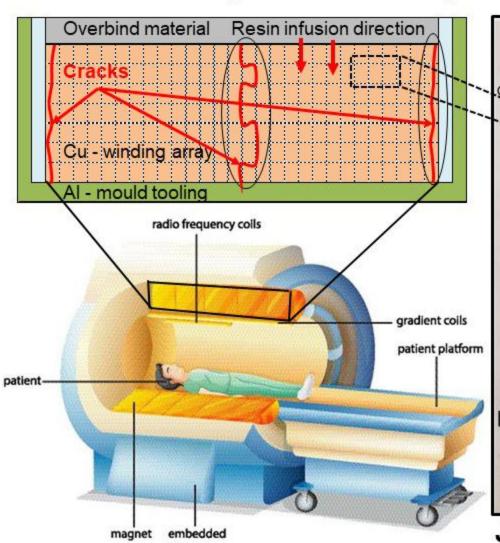
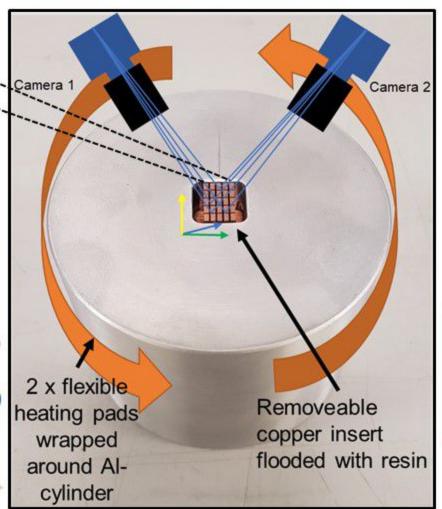
Observing the curing process in MRI magnet coil manufacturing by Digital Image Correlation

*Schematic of magnet manufacturing

*Picture of experimental set-up







- Peak stress concentrations at corners
- Highly constrained areas of resin during the curing reaction
- Cracking observed in middle and interfaces of magnet

Constrained geometry reproduced experimentally

and strain contributions measured by DIC

James McArdle

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