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**Maximising the performance
potential of continuous
recycled carbon fibre
– a holistic approach**

What are we missing?

Key measures of rCF performance:

- Tensile strength and modulus

- Interfacial properties

FIBRE PERFORMANCE
OPTIMISATION FOCUS

TO DATE



CFRP reclamation

KNOWLEDGE GAP

Continuous rCF
tow to preform
conversion

rCFRP
manufacture

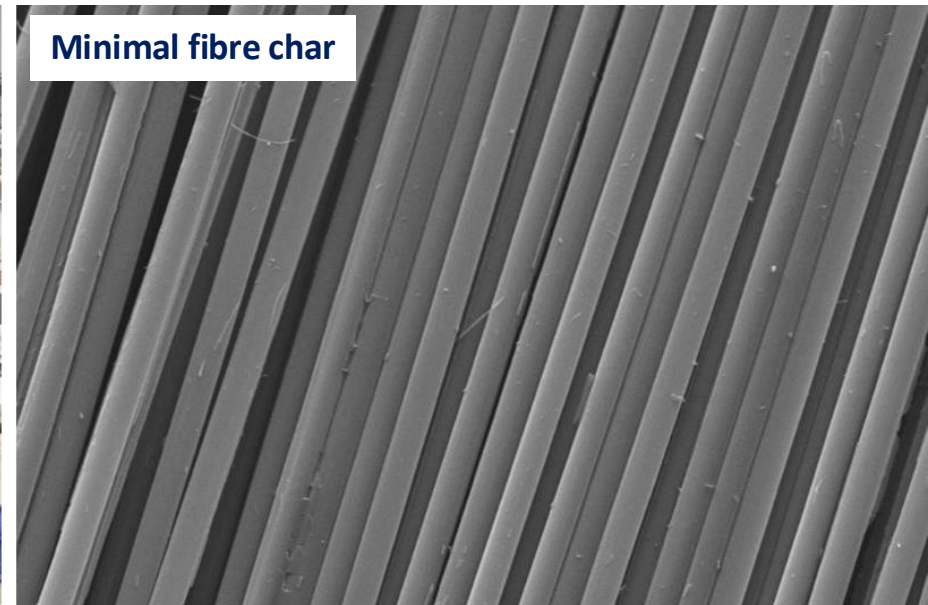
rCFRP
performance

Supply chain in practice...

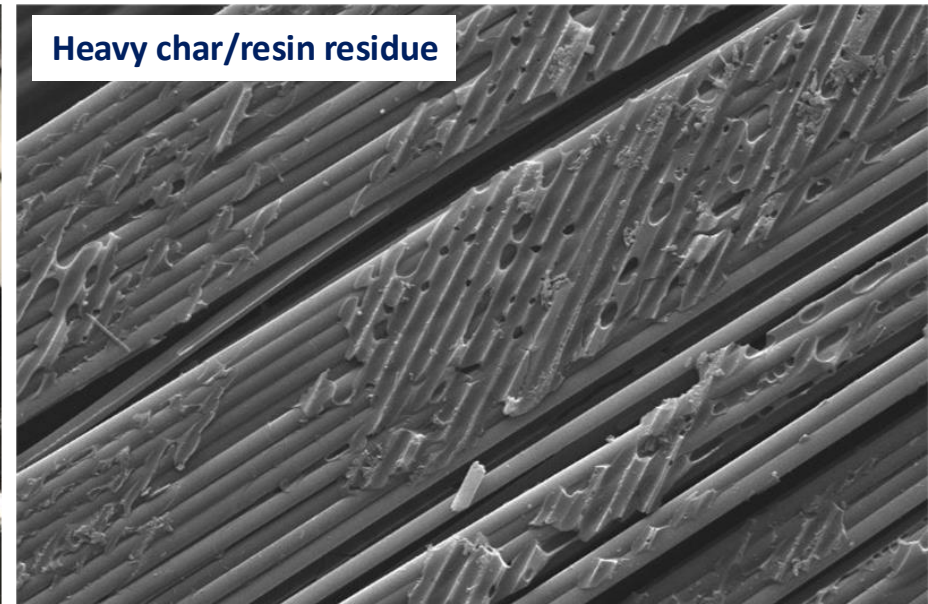
“Clean” is not a desirable fibre condition for unwinding continuous, reclaimed fibre from H₂ tanks



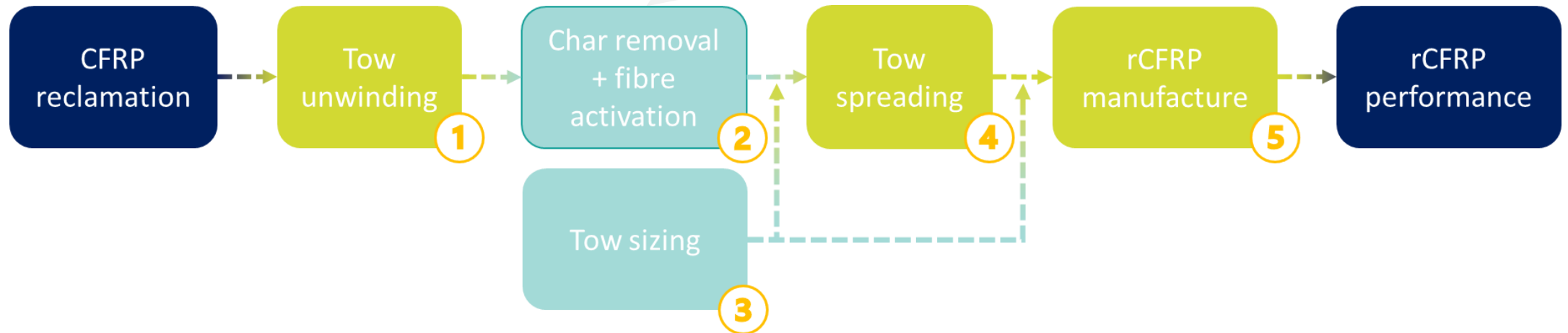
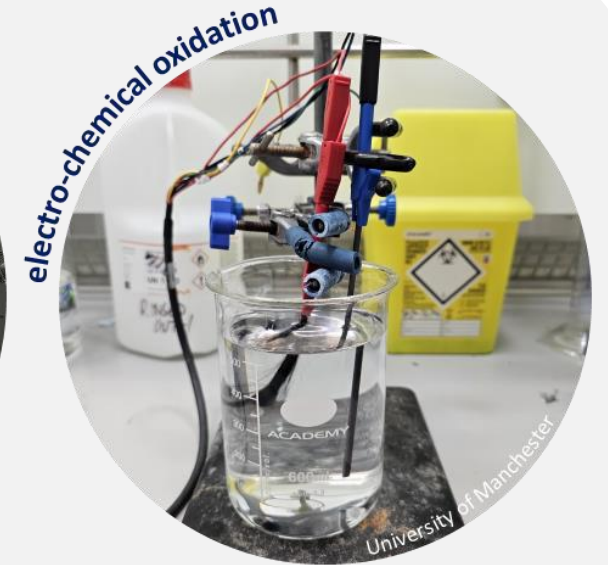
Minimal fibre char



Heavy char/resin residue



Enabling handling - maximising performance



Collaborative opportunities for enabling a circular supply chain

Continuous recycled carbon fibre presents a new material use-case for our existing technologies and expertise in:

- Virgin carbon fibre processing (tow-spreading and sizing)
- Fibre-matrix interface/interphase design

THANK YOU FOR YOUR ATTENTION

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