

# Recycling Industrial Waste Composites and HDPE Thermoplastics to Use in 3D Printing of Composites

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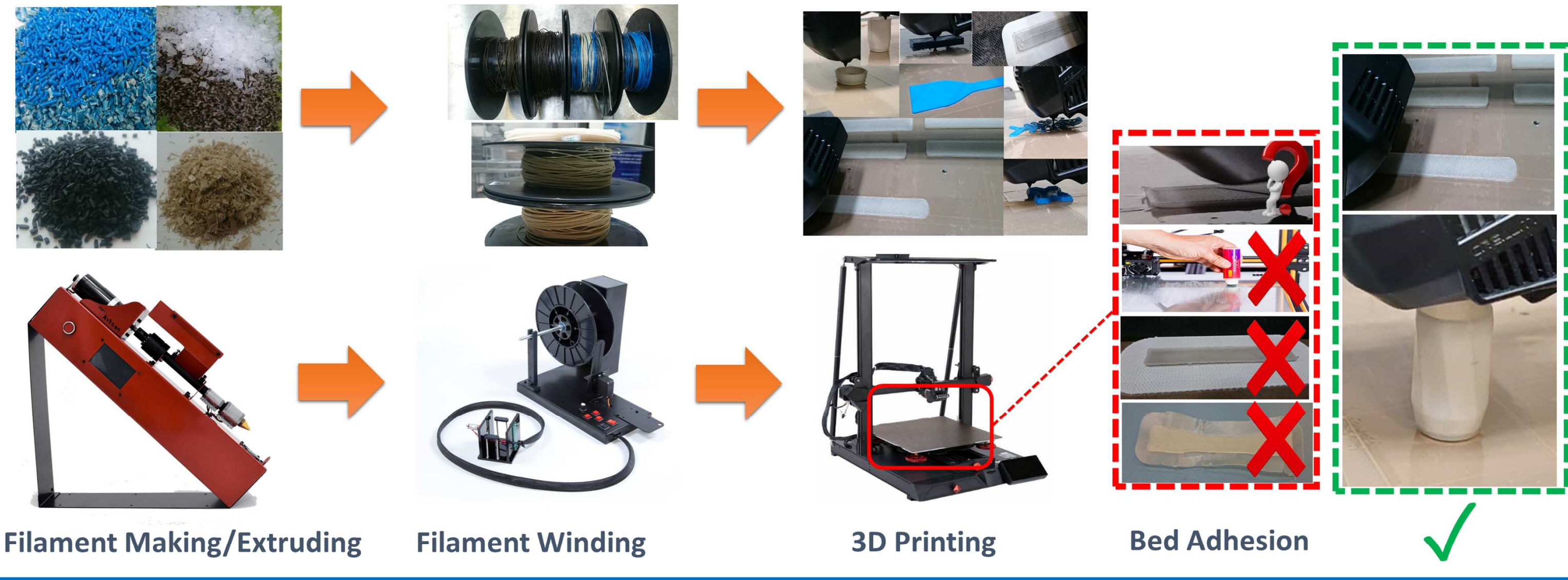
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## Introduction

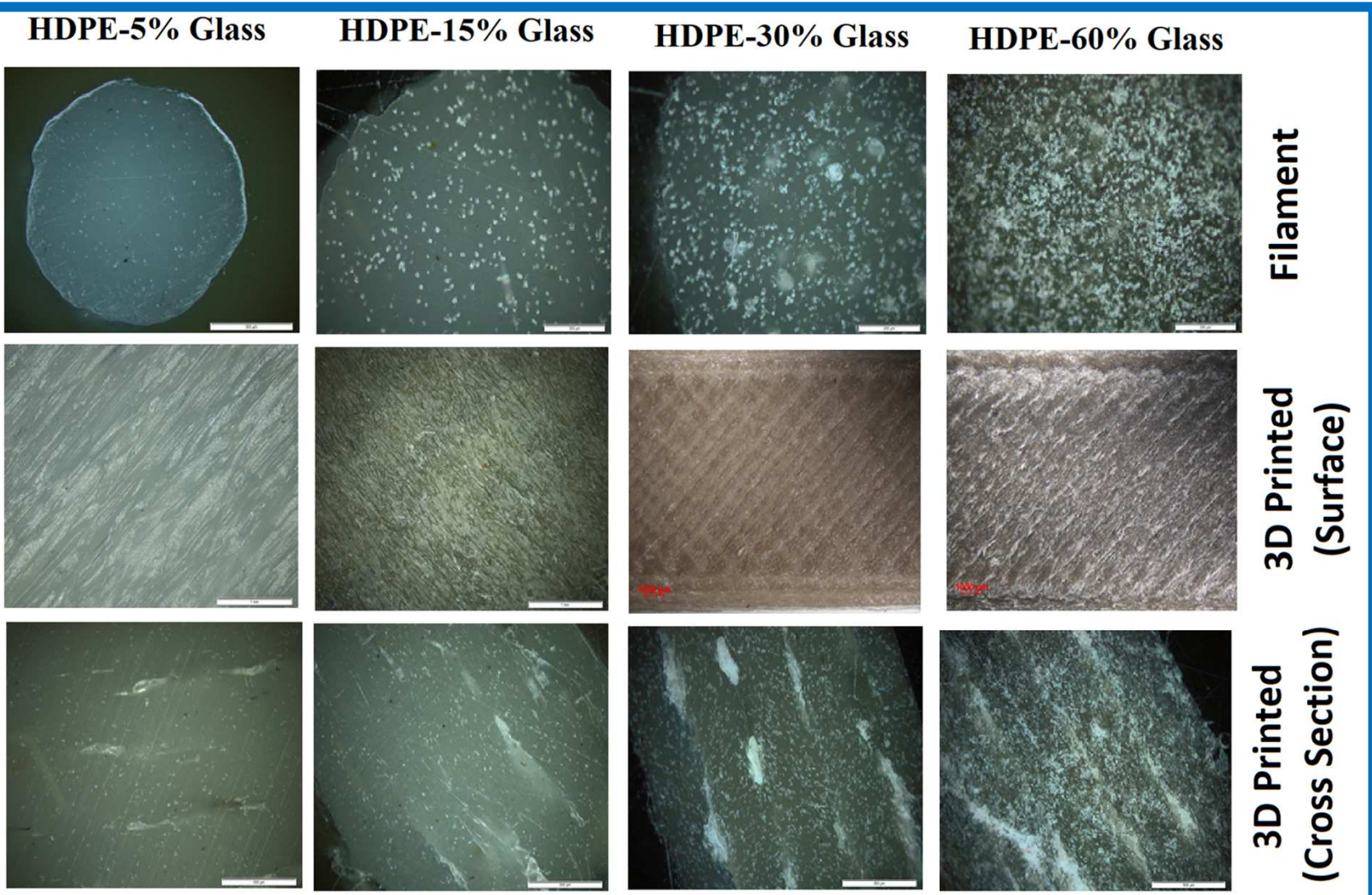
Innovations in additive manufacturing have presented opportunities to recycle thermoplastics and fibres for use as AM feedstock material. In this work, recycling and remanufacturing strategies are developed to reuse glass fibres recycled from composite industrial wastes and mix them as reinforcing with recycled high density polyethylene (HDPE) to make feedstock for 3D printing technology.



## Filament Making & 3D Printing



## Microscopy



## Tensile Strength

