



Recycling of Composite Frames

Historically, recycling composites has been a significant challenge. For years, vast quantities ended up in landfills, restricting their eco-friendly potential in the PV industry. The heterogeneous structure and strong bonds made recycling complex.

Today, Foremost's advanced industrialized recycling technologies are changing that. Through specialized mechanical and chemical methods tailored for composites, we enable efficient material recovery.

Foremost's innovations transform composite PV frames into a circular solution, helping producers in their waste management to achieve ESG goals.

Key Recycling Technologies

- **Chemical Recycling:** Using solvents under heat and pressure to break down the polymer matrix into its chemical components (glass fiber and Polyurethane). Both can be reused to make new composite frames.
- **Mechanical Recycling:** The composite is shredded into small particles and used for making other products and as cement filler.

