



# Full Recycle Technology for FRP Materials

## Introduction

Facing the dilemma of the composite waste removal (12 million tons/year), ITRI has developed the comprehensive recycling technology for composite materials, which can handle the large-size CF/GF composite wastes and help industries reduce CO2 emission for 0.63/25.6 kg by applying the recycled GF/CF back to the products producing process per kg. The performance of recycled fibers remains basically unchanged and the chemicals can be recycled and reused.

## Technical features

- Large waste acceptable
- Fiber and resin are recyclable
- Energy consumption 3.0 kWh/kg
- Recovery rate > 95%
- Fiber strength maintained > 95%

## Applications



Recycled CF/GF



Remade materials

## Technical brief

