

A large, stylized green recycling symbol (three chasing arrows) is centered on the page. The text 'THERMAL RECOVERING CFRP' is overlaid on the symbol in white, bold, uppercase letters, with horizontal lines separating the words.

THERMAL RECOVERING CFRP

Industrial plant for complete re-cycling process
From industrial waste to completely recycled mono carbon fiber

THERMAL RECOVERING

CARBON FIBER REINFORCED PLASTIC



Industrial plant for CFRP (carbon fiber reinforced plastic) thermal recovering allowing a complete recycle of this material, obtaining an output of pure re-usable carbon fiber starting from an input that is direct industrial waste.

Our plant is able to execute all phases of necessary treatment :

- Shredding (both wet or dry)
- Defoliation
- Storage
- Pyrolysis
- Fiber recovering
- Fiber packing
- De-dusting and fume filters

This plant has a productive capacity that can reach 2.500 tons/year.

It has been conceived and projected to guarantee to our customers maximum flexibility, considering that is moduled in many parts to fit at best customer needs, and to be adjustable to any kind of industrial waste that has to be treated in terms of shape and thickness.



RECOVERING

Industrial plant for complete re-cycling process.
From industrial waste to completely recycled carbon fiber.

- Carbon fiber reinforced plastic thermal recovering
- Shredding
- Impurities elimination
- Fiber thermal reaction
- Net or fiber crumbling
- De-dusting plant and fume filters





GREEN ECONOMY

CFRP RECYCLING

EMISSIONS DEPURATION

NO POLLUTED WATER DUMPING

INDUSTRIAL WASTE RECOVERY

ENERGY WASTE RECOVERY

Expired gas in atmosphere are treated in order to respect laws foreseen for plant's location; TCK also allows the option to integrate general chimney with an fume analysis control device. Water used during the process is directly re-utilized without dumping in sewerage.



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