



UltraFibre

Ultrasonic and Plasma treatment for the clean, continuous, high volume production of high quality natural fibres for the SME natural fibre composite sector



The project will enable SME natural fibre growers to process their products into consistent, high quality fibres.

It will address restrictions in the natural fibre reinforced polymer supply chain by delivering a scalable, economic, continuous, clean-fluidsonics technology capable of delivering high quantities of fibres.



The UltraFibre technology will result in :

- High quality elementary natural fibres.
- Plasma treated fibres with improved adhesive properties compared with the untreated fibres.
- Thus yielding higher quality commercial thermoplastic and thermosetting composites.
- Bio-composites with improved mechanical properties for new high-tech applications.



www.ultrafibre.org



UltraFibre is supported by funding under the Seventh Framework Programme of the European Union.
Project no : FP7 243456



From Field to Product



Benefits

The UltraFibre project aims to develop an industrially scalable new hydro-acoustic decortication technology to extract natural fibres for application in composites with high quality.

The project will enable :

- SME natural fibre growers to process their products into consistent, high quality fibres suitable for the supply into the composite materials processors and end user markets.
- The promotion of the economic prosperity of SME natural fibre cultivators.
- The promotion of the cooperation between material suppliers, converters, farmers, research centres and end users of the plastic products.
- Increased competitiveness of European industry.
- Opportunities for new patents and exploitation of the processes and formulations developed.
- The improvement of skill levels throughout the supply chain.





UltraFibre Partners



www.assocomplast.org



www.omegamakina.com.tr



www.ekotex.com.pl



www.greengran.com



www.cesap.com



www.acxys.com



www.bpf.co.uk



www.fbr.wur.nl



www.kenaf-fiber.com



www.movevirgo.co.uk



www.ffr-ultrasonics.co.uk



www.rapra.net



www.eiha.org



www.icmasangiorgio.it



www.ultrafibre.org

UltraFibre is supported by funding under the Seventh Framework Programme of the European Union.
Project no : FP7 243456

