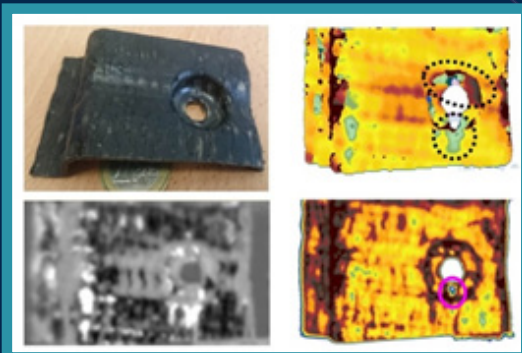


Award Winning Technology - 1^{er} Prix de la Valorisation 2012 de l'Université Paris-Sud

Teratonics S.A.S. offers new solutions for contactless non-destructive testing and for biomedical imaging based on its patented technology STRIPP. Fast and mobile, the instrument STRIPP reveals invisible defects; it simultaneously controls the dimensions, without the need of radiation protection for the user. This groundbreaking technology in terms of speed and stability allows exploiting the unique potential of ultrashort pulses of terahertz (THz) frequencies in industrial environments, also on large scaled objects.

DEFECT DETECTION IN COMPOSITES



Examples of industrial applications:

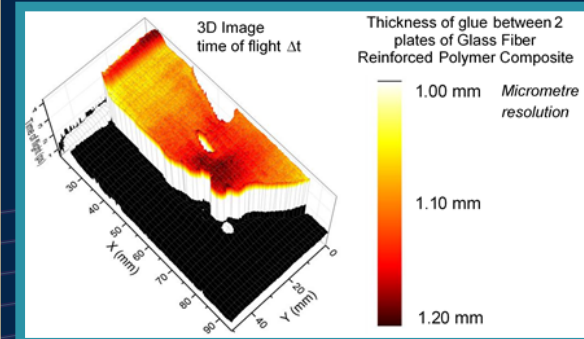
- > Characterisation of **multilayer coatings**, paintings (varnish on vehicles, TBC on turbines, refractory ceramics, thin conducting films as graphene, etc.)
- > **Process monitoring** (drying, polymerisation..)
- > Analysis and defect detection in **composites** (delamination, cracks, inclusions, impurities..)
- > Control of **assemblies** (adhesive bonds, plastic or ceramic welds, plastic-metal hybrids)
- > Analysis of structures and objects covered by dielectrics (cables, optical fibres, corrosion under paint, ceramics under foam, etc.)

Teratonics offers:

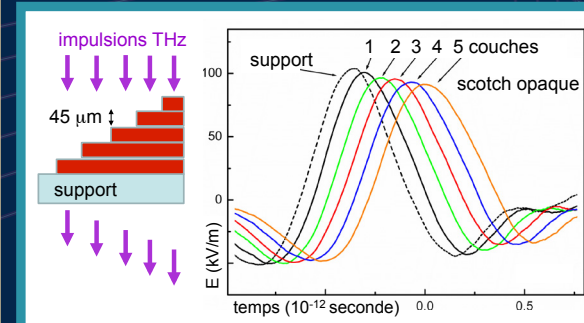
- > Instruments for product and process control as well as for inspection with **automated evaluation**
- > **Laboratory services** accompanying industrial R&D, fatigue tests, during + end of life studies

Prix d'Instrumentation 2013 de la Division de Chimie Physique

IMAGING OF BURIED OR HIDDEN OBJECTS



CONTACTLESS TESTING OF LAYERS



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