

DECORKER
CERÁMICA

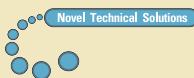


LIMATOOLS GLAS BV

SMALTICERAM



cer|lase

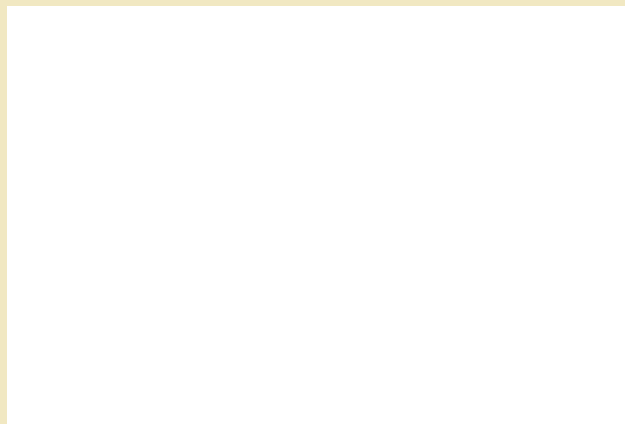


COORDINATOR

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Project number: 018081-CUSTOCER

custocer®

Mass customisation of ceramic and glass decoration.
A contribution to the future manufacturing industries

2005 - 2007



For the SMEs part

- Decorker, S.L. (Spain)
- Ceramiche Savio di Elio & C. snc. (Italy)
- Limatools Glas BV (The Netherlands)
- Smalticeram Unicer S.p.a (Italy)
- Tecnologia e Comunicazione di Gruppo Ghelco srl (Italy)
- CERLASE (France)
- Novel Technical Solutions Ltd (United Kingdom)
- 3D-Micromac AG (Germany)
- CAM-Service Gesellschaft Fur Software und Automationstechnik GmbH (Germany)

For the RTD Performers part

- Asociación de Investigación de las Industrias Cerámicas (Spain)
- Asociación Industrial de Óptica (Spain)
- Instituto per le Ricerche di Tecnologia Meccanica e per l'Automazione s.p.a (Italy)
- Laser Zentrum Hannover e.v. (Germany)
- Netherlands Organisation for Applied Scientific Research (The Netherlands)

The present project intends to bring organisations from the ceramic and glass sector in touch with organisations with innovative technologies for mutual benefit in the **application of laser techniques**. This collaboration between companies and RTD performers can only be achieved within the frame of a CRAFT project.

*The objective of this project is to develop a **decoration process, based on the use of laser technology, which enables customised manufacture of glass and ceramic tiles.***

To achieve this objective a study will be made of several laser decorating techniques. These have been divided into two groups, respectively designated:

- deposition techniques
- activation techniques

By analysis and development of the relevant materials, selection and adaptation of the laser, and development of a computer tool via the Internet, two prototypes will be elaborated that will enable the client to fully customise the decoration of his products.

