

CERFAV : TECHNICAL CENTER FOR GLASS INNOVATION

As National Innovation Center for Glass, Cerfav is mandated by the French Ministry of Trade and Industry to support the sector in connection with glass industries, professional associations and organizations, universities and laboratories.

SERVICES PROVIDED TO COMPANIES

Our experts and engineers are working on site, close to real professional constraints, to glass implementation in processes and uses. They provide training for industry, expertises services, consulting, problem solving, technical assistance, development of new products, processes or prototyping.

NEW PRODUCT DEVELOPMENT, TECHNICAL FEASIBILITY STUDIES

Cervav helps you in developing your new products :

- Analyze of your specifications,
- Study of technical feasibility, and technical and economic impacts of your choice,
- Definition of potential suppliers and study of the quality of their proposals,
- Support on any reverse engineering..

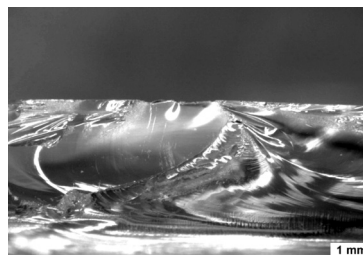
PROTOTYPES

Cervav assists you in designing prototypes, performs feasibility studies, and provides you with state of the art equipment and tools to facilitate innovation.

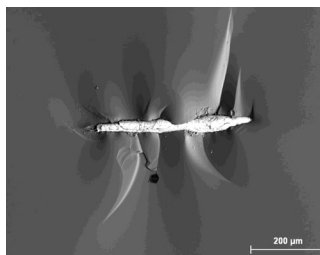
- Definition of a global process of implementation,
- choice of materials and materials work
- study of the parameters of the invention,
- study of the cost according to possible variables,
- completion of the prototype.

Rapid prototyping is preferentially used ; industrial and artisanal techniques are also used, depending on the prototyped object. We may also help you to design your project.

GLASS BREAKAGE AND DEFECTS EXPERTISES (BREAKS, FRACTURES, SCALES, FOREIGN BODY, HETEROGENEOUS MATERIAL AND SURFACE DEFECTS...)



Breakage origin detail (impact)



Inclusion of nickel sulphide (float glass)

Our expertises are conducted in complete confidentiality : needs analysis, determination of useful measures and controls, interpretation of results and finding solutions. We can also, as the case might be, rely on our network of partners, public and private laboratories.

DEVELOPMENT OF GLASS COMPOSITION

Cervav offers its expertise in developing custom glass compositions. This may be e.g.:

- Development of compatibles colored glasses
- obtaining a very accurate color,
- adapting old compositions to new environmental standards,
- research substitutions of components,
- develop compositions for specific physico-chemical properties.

ANALYSIS AND MEASURES

- Dilatometric analysis (TEC) to characterize the behavior of a glass or check the compatibility of different glasses,
- polarimetric analysis for residual stresses,
- mechanical and thermal laboratory analysis (elasticity, radiation, specific heat etc.)
- calculations of glass compositions,
- thermal characterization of furnaces
- realization of sandblasting stencils.

INTELLIGENCE

- Reports on the latest developments in the glass and crystal industry via newsletters, personalized information searches on the technologies and economics of glass manufacturing, putting you in touch with the networks that are right for you.
- Patents and processes research.

FUNDAMENTAL AND APPLIED RESEARCH

Contact us for more details.

FOR MORE INFORMATION, PLEASE CONTACT

MARIE-ALICE SKAPER
marie-alice.skaper@cerfav.fr

Cervav
Centre européen de recherches
et de formation aux arts verriers
*Formation - Ressource
& Innovation - Culture*



Cervav is approved CIR ("Crédit Impôt Recherche") by the French Ministry of Research.