Expertise on glasses, ceramics, polymers

Defects detection

Type of defects detected		Methods
Cracking Matter inclusion Porosity, Delamination Imperfection in Volume		*Surface ultrasonic testing* *Penetrant testing*
	 Damaged depth (top view) *Defect Detection and Sizing*	*Volume ultrasonic testing* *(50 kHz to 15 MHz)* *US tomography* *Terahertz Imaging*
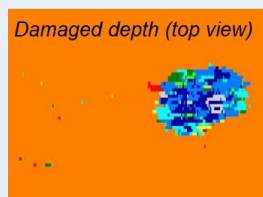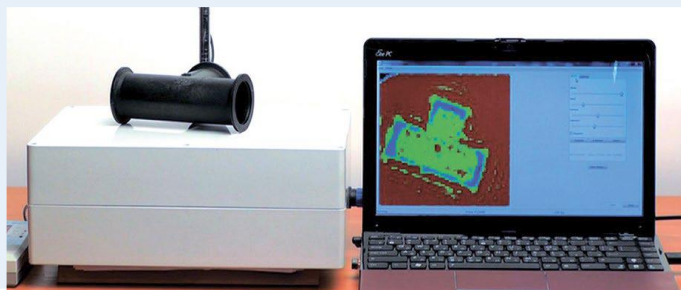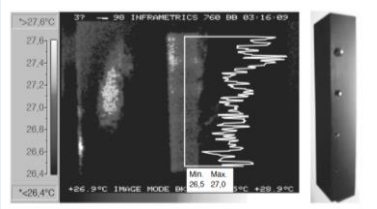
Structural analysis by AND methods
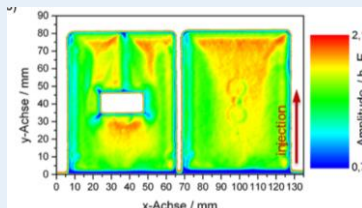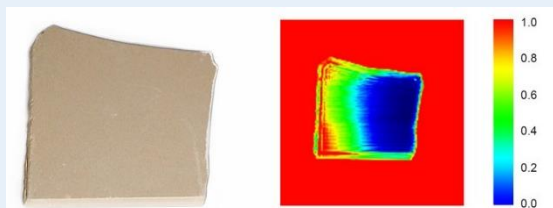
Measurable values	Methods
Mechanical characteristics ❑ Young's mechanical modulus E, shear G, density ❑ Applied stresses, strains **Structural and physical characteristics** ❑ Information on the structure ❑ Moisture rate,	*Ultrasonic testing* *Térahertz Imaging*

Plastics analysis (injection)