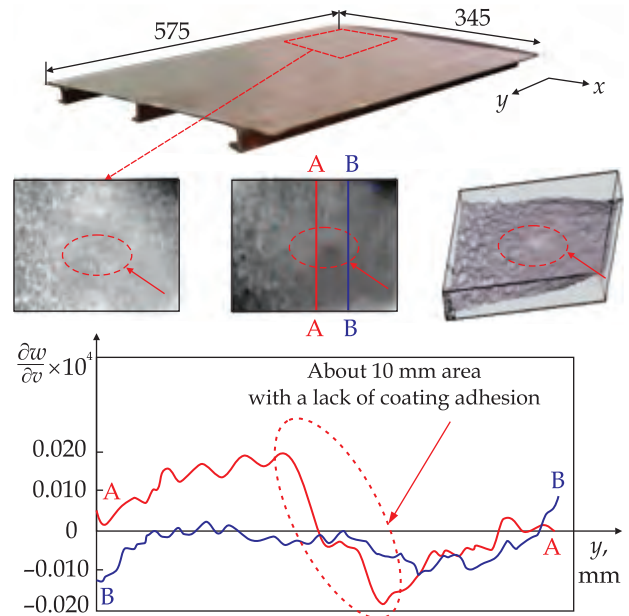
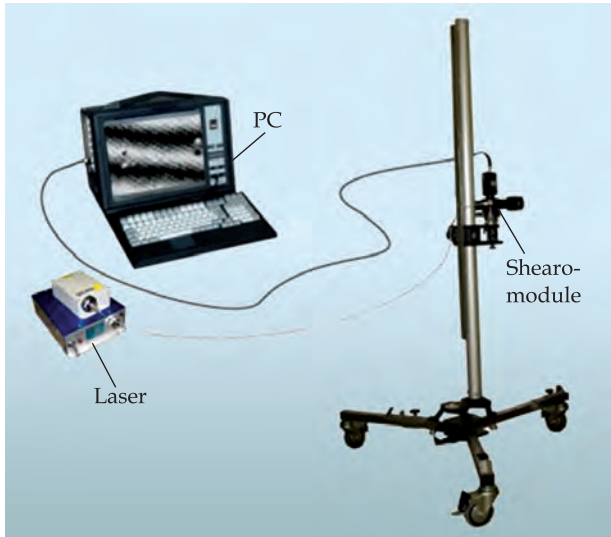


SHEAROGRAPHIC TECHNOLOGY FOR DETECTING DEFECTS IN PROTECTIVE COATINGS



Quality control of full-scale composite rib-stiffened panel coated with protective paint and lacquer

Areas of Application

The technology enables to detect defects in flat samples, elements of full-scale structures, and sophisticatedly configured nodes in a nondestructive way; to control quality of structures with ceramic and metallic coatings; to optimize technologies for application of coatings; and to improve operability and reliability of coated structure elements

Specification

Wavelength, nm	635
Field of view, height × width, mm	250×350
Control time, s	10

Stage of Development. Suggestions for Commercialization

IRL4, TRL4
 Manufacture and delivery of equipment; customization of technology; staff training, upon request

Advantages

The technology is nondestructive and contactless, does not require any vibration insulation; enables real-time control; ensures highly effective control of objects and rapid tests; adjustable sensitivity of equipment by varying shear value; identification of stress concentrations; direct quality assessment of the object state in industrial conditions; uninterrupted recording of research results

IPR Protection

IPR1

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