

Method for manufacturing a rear projection screen, according to which a transparent base and transparent tubes with determined parameters are manufactured. The transparent base is manufactured, and mutually parallel transparent tubes are formed on the base of a first layer. A second layer of transparent tubes, arranged mutually perpendicularly to the first layer, is formed. Each transparent tube is equipped with inlet and outlet pipes. The transparent tubes of each layer are filled with a transparent liquid with a predefined refractive index n_i . Temperature sensors and optical sensors are installed to control liquid parameters. A control module is integrated with valves to change the liquid composition during operation.