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The invention relates to the building material industry, in particular to the equipment for manufacture of composite materials.

The device contains a melt collector (1), a melt accumulation chamber (2), a body (3) with mounted heaters (4), a pressure piston (5), a compensation branch pipe (6), a gate (7), a liquid-metal layer (8), forming the melt injection nodal point, the compressor body (9) of the filling agent with injectors (10). The device also contains the bellows cover (11) with rods (12), a separating partition (13) with openings coaxial with the rods (12), the bellows cover (11) being fixed by means of an elastic element (14) to the bottom of the body. The device contains two perforated plates - the lower plate (15) with conic openings and the upper one (16) with spherical grooves, coaxial with the conic openings. The device contains liquid-metal layer (17) with cooler (18), glass (19), drive tie-rods (20) of the glass (19), fixed to the bellows (21) cover and to the glass (19) bottom.

The turned over glass (19) is placed in the upper part of the moulding chamber and mounted with the possibility of alternative displacement.

The technical result consists in increasing the reliability of the piece moulding nodal point.