

The invention relates to methods and devices for testing rocket motors on solid fuel and can be used in rocket and aircraft engineering. A method for testing rocket motor with freely placed in it charge of solid fuel and nozzle placed at angle to the axis of the motor case includes installation of rocket motor on test stand for testing, with horizontal placement of the nozzle axis, fixation of the motor and starting. At that before starting the motor is turned to vertical plane with nozzle up, shaken and turned to initial position with front support down. A test stand for implementation of the method consists of horizontal movable platform and holder hinged on it, with two possible positions, in one of those the holder provides fixed placement of the nozzle axis – in horizontal position, and in the other one – placement of the nozzle axis and the motor case axis in vertical plane with nozzle up. At that in the last position the holder can swing within slot provided in horizontal movable platform. The invention makes it possible to provide guaranteed position of blocks with their ends at front support of the motor case before its start at testing, thus to follow conditions of placement (state) of engine on test stand according to conditions of placement (state) of the motor in rocket at its flight.