

Universal automated bed contains movable and immovable girders displaceable on guides by driving rollers, with a set of screw coxes. Coxes are screwed into nuts – cogwheels, with possibility of displacement on dowel in groove at rotation of nut – cogwheel. Immovable and movable girders are connected between them with linear sensors, rods of said sensors are connected to immovable girders with possibility of cooperation with electric drives of displacement of movable girders according to signals of linear sensors of computer program. Each screw cox is cinematically connected with its own drive that cooperates with signals of linear sensor through computer program of mould loft data. Sensor rod is connected to lower end of cox and sensor itself – to lower foundation of girder.