According to a third aspect described herein, there is provided a controller including instructions being embodied in a controller-usable memory of the controller, the instructions for directing the controller to execute a molding process. The molding process includes: (i) closing a first mold stack of an injection mold to define a molding cavity therein, wherein the first mold stack is arranged within a first aperture that is defined by a shuttle of a molded article transfer device; (ii) molding a first molded article within the molding cavity; (iii) opening the first mold stack to retract it from the first aperture; (iv) arranging the first mold stack to eject the first molded article into the first aperture of the shuttle; and (v) shuttling of the shuttle to transfer the first molded article within the first aperture.

According to a fourth aspect described herein, there is provided an in-mold shutter for embedding in an injection mold. The in-mold shutter includes a shutter actuator that is configured to selectively engage a first mold shoe of an injection mold with a platen of a mold clamping assembly to hold the first mold shoe in an extended position, along a mold-stroke axis, during a step of molding a first molded article in the injection mold.

According to a fifth aspect described herein, there is provided an in-mold shutter ~~for embedding in an injection mold. The in-mold shutter includes a shutter member that is associated, in use, with one of a platen of a mold clamping assembly and a first mold shoe of the injection mold. The in-mold shutter also includes a link member that is associated with a remaining one of the platen and the first mold shoe. The shutter member and the link member are configured to be selectively engageable, in use, to hold the first mold shoe in an extended position, along a mold-stroke axis, during a step of molding a first molded article in the injection mold.~~ that is operable between a shut position wherein a first mold shoe of a first mold half is held in an extended position relative to one of a moving platen and a stationary platen of a mold clamping assembly, and an open position wherein the first mold shoe is disengaged from the one of the moving platen and the stationary platen for movement relative thereto.

According to a sixth aspect described herein, there is provided a controller including instructions being embodied in a controller-usable memory of the controller, the instructions for directing the controller to execute a molding process. The molding process includes: (i) closing a first mold stack of an injection mold to define a molding cavity therein; (ii) shuttering an in-mold shutter to engage a first mold shoe of the injection mold with one of a moving platen and a stationary platen of a injection molding system; (iii) molding a first molded article within the molding cavity; (iv) un-shuttering the in-mold shutter to disengage the first mold shoe from the one of the moving platen and the stationary platen; and (v) selectively positioning the first mold shoe, along a mold-stroke axis.