

CLAIMS

1. Automated station having a tool (11) comprising a releasable mechanical coupling for connecting to a mobile portion of the automated station; a linear actuator (16) having a power supply input adapted to be releasably connected to a power supply line; a container (13) for edible liquids; a closure (14) movable via the linear actuator (16) between a closed position in which the edible liquid is in the container so that, for example, the liquid is shaken by the action of the mobile portion and an open position in which the edible liquid is poured in a controlled manner out of the container via the action of the mobile portion; and a lever arm (17) pivoted and connected between the linear actuator (16) and the closure (14) so as to demultiply the load applied by the actuator to decrease a first resultant force applied by the closure on a fluid seal (32) in said closed position with respect to a second force applied by the actuator to the lever arm.
2. Automated station according to claim 1, wherein the lever arm (17) comprises a first end connected to the closure (14) and a second end connected to the linear actuator (16), the first end being connected to the closure (14) so that the closure has at least a degree of freedom with respect to the first end to adapt in the closed position to a top edge (21) of the container.
3. Automated station according to any of the preceding claims, wherein the linear actuator (16) has a jacket (25) and a stem (26) movable with respect to the jacket, the stem being fixed to a support (12) of the container (13) and the jacket being fixed to said lever arm (17).
4. Automated station according to any one of the preceding claims, wherein the closure (14) has a wet surface (30) arranged towards the inside of the container

- (13) when the closure is in the closed position, wherein the wet surface comprises one or more projections (31).
5. Automated station according to claim 4, wherein at least one of the projections (31) protrudes so that a drop falls by gravity from the projection into the container (13) when the closure (14) is in the open position and the container (13) is full in a resting position.
 6. Automated station according to any one of claims 4 or 5, wherein the projections (31) have respective edges each of which with a tangential pattern with respect to an axis (A) of the closure.
 7. Automated station according to any of the preceding claims, wherein the container (13) is releasably connected to be replaced independently of the linear actuator (16) and the lever arm (17).
 8. Automated station according to any one of the preceding claims, the container has at least a transparent portion for seeing when the container (13) is closed on an edible liquid level.
 9. Automated station according to any one of the preceding claims, wherein the container (13) is made of a material having a first breaking load lower than a second breaking load of a material of a support (12) of the tool (11), the container (13), the linear actuator (16) and the pivoted arm (17) being carried by the support (12).
 10. Automated station according to any one of the preceding claims, wherein the container (13) comprises a bottom (22) with a hole and the releasable connection comprises a clamping element (23) within the hole, a fluid seal (24) being interposed between the clamping element (23) and the bottom (22) and compressed at least partially when the clamping element (23) is tightened.

11. Assembly method comprising the steps of providing an automated station having a mobile portion and releasably mounting a tool (11) on the mobile portion comprising a linear actuator (16) having a power inlet adapted to be releasably connected to a power line; a container (13) for edible liquids; a closure (14) movable via the linear actuator (16) between a closed position in which the edible liquid is in the container so that, for example, the liquid is shaken by the action of the mobile portion and an open position in which the edible liquid is poured in a controlled manner out of the container via the action of the mobile portion; and a lever arm (17) pivoted and connected between the linear actuator (16) and the closure (14) so as to demultiply the load applied by the actuator to decrease a first resultant force applied by the closure on a fluid seal (32) in said closed position with respect to a second force applied by the actuator to the lever arm.