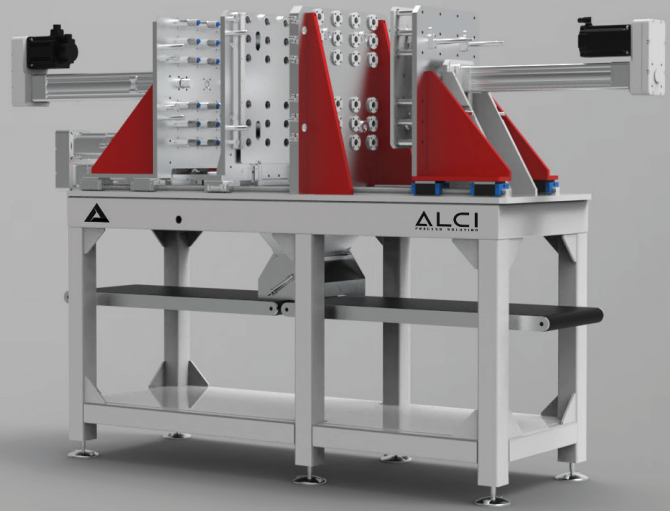


# Assembler for Moulded Components



## Technical Specification, Standard and Optional

Frame and push plates material	Carbon Steel
Electrical axes	3
Maximum speed	400 mm/s (May vary depending on the axes dimension)
Maximum pushing power	30.000 N (May vary depending on the axes dimension)
Number of pieces assembled per cycle	32
Cycle time	7.5 s
Optional	Number and dimension of the components to be assembled Number and dimensions electrical axes Type of material in contact with the components to be assembled Unloading conveyor belt

## Main features, Benefit and Strengths

Machine for the assembly of productive components throughout the process of injection moulding plastic. The machine has been designed to accommodate 3 components from a cartesian robot just produced from the machine of injection mold, all done automatically. The three components are deposited on three independent plates, which are equipped with specific locking systems (mechanicals and through the use of a void generated from a blower).

The three plates are controlled by three electrical axes, dimensioned according to the forces needed for the assembling of the components. Once the components are blocked on the plates, they assemble the parts when closing down.

The usage of electric axes ensures an accurate control of the position to reach, high repeatability and the control of speed and accelerations. Once the cycle of assembling ends, the products are discharged in a hopper which conveys the components on a conveyor belt and the cycle starts again.

