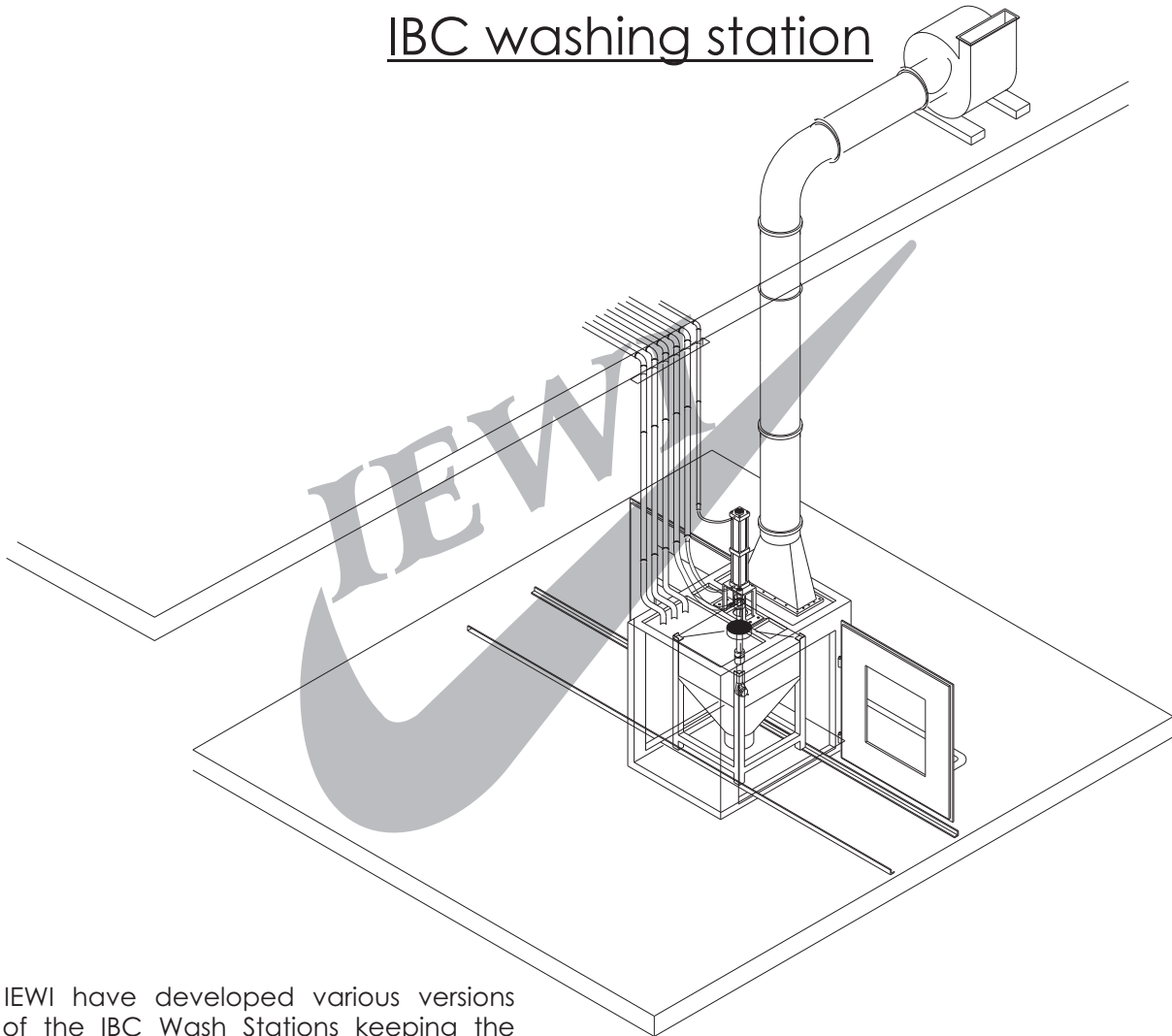


IBC washing station



IEWI have developed various versions of the IBC Wash Stations keeping the application of the client mind as also the constraints that are normally existing at the site in the wash area. The IBC is first loaded on a specially designed trolley/ monorail . The door of the IBC wash station which is in the non-sterile area, is then opened and the IBC is guided into the wash room after which is the sterile door closes. The trolley mounted IBC is then latched onto a conveyor mechanism, which is an in-built feature of the IBC wash station. The conveyor guides IBC and locks it at the "point of washing" in the washing machine, the bank of sensors send the trigger to the PLC which starts washing cycle. A specially designed self-rotary cleaning nozzle is introduced into the IBC. The pressure generated by the special purpose high pressure multistage pump

causes the nozzle to spin on its vertical axis with a velocity sufficient to ensure a thorough cleaning of the internals of the IBC. External cleaning of the IBC is done with help of strategically positioned flat V-jet nozzles.

The V-jet nozzles have a knife edge profile which not only ensures thorough cleaning of the external surface of the IBC but also due to the placement minimize any probable drop in the line. The time duration and the sequence of operation of the washing cycle is monitored by a PLC each wash programmed before a start of the process by the user. After the washing cycles are over steam Sterilization (optional) can be done.