

## CLEANROOM CLEANBENCH HOOD WITH IONISED AIR CLEANING SYSTEM

Cleanbench hoods with compressed ionised air driven component cleaning systems and particle extraction with cleanroom filtration are often used to clean particles that are usually retained to the surfaces by electrostatic attraction from the components without causing secondary contamination.

The downward laminar flow from the HEPA filter directs all particles removed downward into a contamination collection funnel and then into a cleanroom extraction and filtration system which insures the continual balance of the host cleanroom.

Normally the ionised cleaning system is comprised of two vertically positioned opposing ionised air jet systems - either our 4200 ionised nozzles in series or two model 5000 ionised airknives.

To save compressed air often proximity sensors with a relay to a solenoid are added to insure that compressed air is not wasted and that the cleaning system only actuates when an operator presents a component into the chamber for cleaning.

This is a semiautomatic system but sometimes similar units are deployed in conjunction with our ionised air pistol model 4110 for manual cleaning of components.

