Application Study

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KODAK PLANT



TRION-ENVIRCO'S MAC 10 CLICKS WITH KODAK

Irish based contamination control specialist, Air Filtration Technology (AFT), has supplied and installed 100 Trion-Envirco Mac 10 fan filter units (FFU's) to serve CD-R production areas at the Kodak plant at Youghal, Co. Cork.

AFT has incorporated the Mac 10 units into laminar air flow clean stands, purposedesigned and built for the Kodak plant, to ensure effective contamination control as CD's emerge from moulding machines. Mounted on top of each clean stand, two Standard Mac 10 units (600mm x 1200mm nominal) have been installed to achieve Class 100 air flow for optimum product protection.

"Trion-Envirco's Mac 10 was the perfect, cost-effective solution for this project" comments Ger Clancy, AFT's Managing Director. "FFU flexibility was important because of the possibility that the clean stand space would be extended to suit different Kodak production requirements. With the Mac 10's modular design, an extra unit could easily be installed into the system beside existing units to meet these extra filtration demands."



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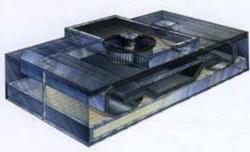
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Trion-Envirco's Mac 10 provides cost effective and reliable air filtration, proven in thousands of clean condition applications world-wide. At a rated air flow of 0.45 m/sec, the Mac 10 offers HEPA filtration with fan speed control and exceptionally quiet operation of NC 45 at 50dBA. This low noise performance is achieved through the unit's patented VE5 baffling system which ensures a uniform airflow across the filter face whilst attenuating sound to this ultra-quiet level.

Units are modular in design with a slim profile of under 333mm, and are equally suitable for clean stand, T-bar or Gel Seal ceiling installation.

A further option available with the Mac 10 is a Room-Side Replaceable (RSR) version. This model is ideal where limited headroom is available and filter changes need to be carried out from within the cleanroom.



Fully CE marked and exceeding IES-RP2 recommendations, the standard Mac 10 provides a minimum efficiency of 99.99% at 0.3 microns. ULPA filters capable of removing particles of 0.12 micron or larger at 99,9995% efficiency can be fitted for critical applications.





Each Mac 10 has a pre-wired junction box for simple and direct electrical connection and has options available with various voltages for worldwide applications. Designed to provide long lasting, trouble-free operation, the Mac 10 lid and body is constructed from strong aluminium. The unit incorporates a direct drive, forward inclined centrifugal fan/motor with sealed for life bearings for extra reliability.

Based in Limerick, Ireland, Air Filtration Technology has the resources, expertise and experience to provide customers with a complete contamination control solution.

For further information contact:-



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