



# Tech Info Library

## Apple Equipment: Special Enclosures for Dirty Environments

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### TOPIC -----

Are there ways to ensure cleanliness for the Macintosh operating environment?

I need to install about 500 Macintosh IIcx systems in truck garages and loading docks. Are there any special covers or enclosures that filter fumes and soot, but still permit access to a Macintosh IIcx? Also, is there anything that prevents the typical mechanic from setting a wrench or dripping oil can on top of the equipment? Proper air circulation is my main concern.

Also, is it necessary (or possible) to "ruggedize" an AppleCD SC for this environment? Mechanics aren't very gentle with the ROM caddies.

### DISCUSSION -----

What you really need is a NEMA (National Electrical Manufacturers Association) enclosure. Check your local area for a NEMA office that can make recommendations.

The two big issues are heat and dirt. To keep the dirt (air-based carbons and oil from diesel trucks) out of the system requires filters that restrict the airflow. Reduced airflow equals increased heat, which reduces the system's life span. Without filters, the soot gets into the fan bearings, slowing it down and increasing heat.

Adapting the AppleCD SC to these conditions results in the same sorts of problems.

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