



October 10, 2005

TO WHOM IT MAY CONCERN:

This information is presented to explain the safety aspects of the conveyORIZED X-Ray inspection units manufactured by Rapiscan Systems.

The Rapiscan X-Ray system is designed to safely inspect all usual personal effects. The system uses a very low level of X-Rays which will not harm film, magnetic media such as disks, tapes, credit cards; food, medicines, electronics such as personal computers, radios, telephones and the like.

The Rapiscan system is certified to comply with the U.S. F.D.A., Center for Devices and Radiological Health, Standards for Cabinet X-Ray Systems (Federal Standard 21-CFR 1020.40, Subchapter J). Subchapter J covers Radiological Health; as such it covers all X-Ray Systems, medical X-Ray, television sets, microwave ovens and more. The Rapiscan system must meet the same radiological health requirements as a television set and is therefore very, very safe.

The legal requirement is a maximum external radiation level of less than 0.5mR/hr (0.0005 Roentgen per hour). This is the same level of radiation that a television set may emit. The Rapiscan system is tested to a level of 1/5 that level or 0.1mR/hr maximum. This level is mainly chosen because it is difficult to measure lower levels because of natural background radiation. Undeveloped photographic film is the most susceptible item to X-Ray damage among the items normally carried. Developed film is not susceptible to X-Ray damage. The National Association of Photographic Manufacturers has determined a maximum level of 1.0mR (0.001 Roentgen) as the maximum allowable dose per inspection to prevent damage to undeveloped film. The Rapiscan system uses less than 1/5 that dose, approximately 0.00015 Roentgen. According to an independent report by Amateur Photographer magazine (week ending January 6th, 1990) Rapiscan equipment will not affect 1600 ASA film, even in multiple inspections. Undeveloped scientific and/or X-Ray film should be hand inspected. The X-Ray level inside the machine is still very low in order not to fog the film.

The machine is not a toy. No one should play with the system. No one should insert any part of the body through the shielded curtains into the tunnel area while the system is running. No one should ride through the system.

Sincerely,

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