

# CARE AND CLEANING OF OPTICAL TURNSTILES

***Congratulations on your purchase of a DSI Optical Turnstile system.***

This guide provides information for cleaning and maintaining the finishes, materials and optical paths of DSI's standard finishes on our turnstile line, including ES811, ES831, ES8500, ES860, ES880 and ES8900.

DSI recommends the following information be distributed to appropriate personnel to preserve long lasting appearance of the finish, and to maintain clear optical paths for the Infrared beams.

## Stainless Steel

***CAUTION: Avoid getting polish or solvents on the Clear Acrylic panels to prevent contaminating the optical path.***

The suggested polish is a light household polish/oil.

Holloway House Lemon Oil is what we use at the factory. [www.hollowayhouse.net](http://www.hollowayhouse.net)

Soap and water may be used to clean stains, then use polish to preserve the finish.

## Corian and Laminates

Soapy water or ammonia-based cleaners will remove most dirt and stains from Corian and Laminate finishes. Additional Corian information is available from the DuPont Corian website: [www.corian.com](http://www.corian.com)

## Brass

These finishes are clear-coated and should be polished with any product labeled as appropriate for a clear-coat finish. Automotive clear-coat polishes work well for this application. (Turtle Wax's Clear Coat Polish and Restorer is what we use at the factory)

## Powder Coat Painted

Clean with mild soap, water and a soft non-abrasive cloth. A periodic use of a non-ammonia based cleaning solution (Formula 409) can be used for oils or stubborn stains. Always apply by hand using a circular motion.

## Clear Acrylic

***CAUTION: Never use ammonia-based glass cleaners, abrasive cleaners, or paper towels to clean Clear Acrylic.***

These surfaces should be cleaned with a soft cloth dampened with soap and water, or use a spray cleaner such as Chemtronics® ES1668: [www.chemtronics.com](http://www.chemtronics.com) or you may call Chemtronics at 800-645-5244 for more information.

## Optics

The Clear Acrylic over the sensors and reflectors must be kept optically clear for the Infrared Beams to function properly. Cleaning personnel need to be instructed to avoid wiping any oils or other polishes on these panels. Use of alcohol or ammonia based cleaners may leave a static charge which will attract dust, the Chemtronics® ES1668 is an anti-static cleaner that works well. Any similar anti-static cleaner approved for use on Clear Acrylic should work.

Dust accumulation on the inside of these Clear Acrylic panels, and on the Sensors/Reflectors themselves, can impair the optical path which may lead to false alarms. A periodic inspection after initial installation may help determine the appropriate interval for cleaning the inside surfaces, based upon the environment at the site.