

# Uniquely ULS

## Universal Laser Systems GmbH

### Top Access Door with Safety Glass Window

Universal Laser Systems, Inc. (ULS) has introduced a metal top access door with laminated safety glass window and gas charged lift supports on its new CO<sub>2</sub> laser cutting, marking, and engraving systems.

Laminated safety glass is of much higher quality than the acrylic windows that other manufacturers use. It provides excellent scratch resistance and will not fog or haze over time like acrylic. Laminated safety glass provides excellent visibility of the work area and was chosen for the window for its strength, thermal resistance and safety characteristics.

Laminated safety glass consists of multiple layers of toughened and heat strengthened annealed glass that are bonded together with a clear plastic film interlayer of polyvinyl butyral (PVB). Unlike ordinary window glass, or tempered safety glass, which breaks into pieces when fractured, laminated safety glass stays together and does not break into dangerous shards or chips when shattered. It is extremely strong – banks use multi-layer laminated glass windows to stop bullets – and can resist temperature extremes much better than acrylic which melts at elevated temperatures.

Included in the new access door/window design are durable, high-quality gas charged lift struts that eliminate the possibility of the door coming down unexpectedly. The struts are maintenance free and utilize high-strength piston assemblies with leak-proof seals that gently damp and counterbalance the top door when opening and closing.

The new top access door with laminated safety glass window and gas charged lift supports is just one of several Uniquely Universal benefits that showcase the higher quality standards of ULS laser systems.