

Uniquely ULS

Universal Laser Systems GmbH

Smart Technology ULR Laser Cartridges

Universal Laser Systems, Inc. (ULS) has introduced smart laser cartridge technology on its new CO₂ laser cutting, marking and engraving systems.

Smart laser cartridge technology provides real-time, two-way communication between the laser cartridge and the ULS system in which it is installed.

One benefit of ULR laser cartridges is automatic detection of power level. For example, when a 30-watt ULR laser cartridge is installed, the ULS system immediately detects and displays the power level and automatically adjusts the settings in its materials-based print driver database to provide the correct power levels for cutting, marking and engraving operations.

Smart technology ULR laser cartridges provide additional benefits, including a built-in diagnostic that protects them from under- and over-temperature events and RF failures that can damage a laser tube. ULR laser cartridges also provide variable fan control that reduces fan speeds during periods in which the system is idle, greatly attenuating the noise level.

ULS smart technology laser cartridges feature patented Rapid Reconfiguration™ and Quick Change Laser™ technology which allow for easy upgrades in minutes without tools. Smart technology ULR laser cartridges are RoHS and WEEE compliant.

The new smart laser cartridge technology is just one of several Uniquely Universal benefits that showcases the higher quality standards of ULS laser systems.