

Technical Information:

Light sources

Solid State Lasers are used in the ARRILASER, they have perfect Gaussian shape of the beam, very high life expectation, minimum size and a minimum power consumption.

Film Transport and Deflection System

The mechanical deflection system in the ARRILASER is composed of: - An ultra precision linear stage.

Picture Geometry

You get perfect linearity with the ARRILASER, there is no bending or inclination of straight lines. The Linear stage and the deflecting mirror produce perfect straight lines in both directions. Position and size of the image are arbitrarily adjustable. Factory default setting is a tolerance of less than 20 μ .

Flare

In the ARRILASER a perfectly shaped laser beam is depicted on the film without any flare.

Color Landing, Convergence

In the ARRILASER three lasers (red/green/blue) are adjusted to match on one spot. Thus the colour convergence of the whole image is perfectly adjusted.

Film Registration

The ARRILASER film transport system is specially designed for best quality and performance film recording. The pin registration (Bell & Howell standard) used in the ARRILASER generates an excellent steadiness (<20 μ m). The Linear stage gives the opportunity to select a pull down like 3 perf or 4 perf. Both formats are fully supported on the ARRILASER.

Film Magazines

The ARRILASER can be used with 1000 ft and 2000 ft magazines.



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