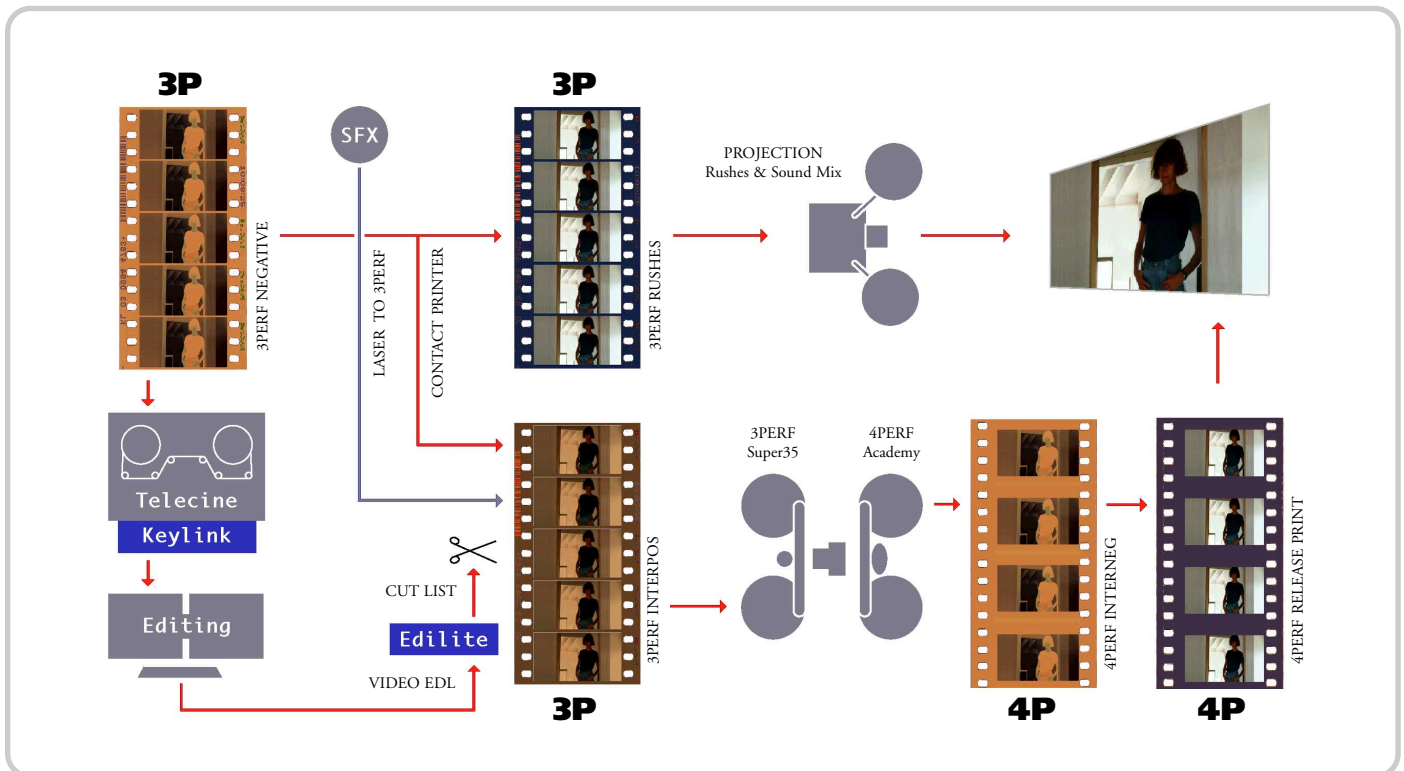


# Aaton post: 3Perf

## • 3Perf-35mm filmmaking is coming of age



### 3Perf filmmaking outperforms HD video origination: image quality up, cost down.

With 3 instead of 4 perforation camera pull-down 3Perf-35mm eliminates interimage waste and reduces film rawstock and processing costs by 25%.

To generate 4Perf-35mm prints for theater distribution '3Perf' must go through either Digital-Interneq or Straight-Optical transfer (see chart above), thus there is no reason to preserve a sound track area on the camera negative.

The full area from left to right can be devoted entirely to camera images. Known as Super35 this practice allows 324 mm<sup>2</sup> for 1.85:1 images instead of 273 mm<sup>2</sup> for 1.85:1 Academy cropped frames. In addition the 3Perf-Super35 image diagonal (27.2 mm) perfectly fits the field coverage of all standard zoom lenses.

### 3Perf is a gift to camera operators...

With film consumption 25% lower, the operational length of film-magazines is increased: a small 400 foot mag lasts for some six minutes instead of 4&1/2 in 4Perf. This almost eliminates the need for heavy 1,000 foot mags; handheld shooting is no longer a back-bone killer. Camera noise is noticeably reduced: the Aaton-35 4Perf runs at 31dB, while the 3Perf model goes down to 25dB and becomes noiseless.

### ...and a blessing for producers too.

On top of the mathematical 25% savings, another 4% economy is added by the reduction of the wasted short-ends induced by longer running magazines. A ninety-minute film can be made with 80,000' instead of 120,000'.

Also, because of the larger Super35 images – for the same apparent graininess – faster stocks can be used. This means reduced lighting costs.

### The complete 3Perf chain.

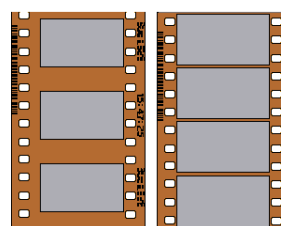
Aaton, Arri (435, 535, ArriCam), and Panavision cameras can be ordered with 3Perf mechanisms. Digital SFXs can be shot on 3Perf interpositive by ArriLaser and Celco, and thus be inserted directly into the 3Perf post-flow.

Cinemecanica and Kinoton projectors used for dailies screening offer options to switch instantly between 3Perf and 4Perf pull-down.

On the telecine side, all SPIRIT and C-REALITY (plus upgraded URSAs) insure video transfer and 2K scanning of 3Perf films.

End of the eighties Aaton invented the 21/21/22 image sequence to make the 4Perf designed Keycode® usable in the 3Perf world too. Continuing its support of this format, Aaton has improved its Keylink code reader and its Edilite cut list generator so they can handle 3Perf in all conditions (even reverse/upside-down keycodes).

Edilite generates 100% accurate 3Perf neg cut lists from the video EDLs delivered by top class Avid Composers and low cost video editing systems such as XPress-DV and FCP.



Academy 35  
4Perf

Super35  
3Perf