

## FalCon **eXtra** AntiShake

**Tool for Reduction of Jitter  
 as Add-on to FalCon QuickView and ImagerControl  
 (included in FalCon MovXact)**

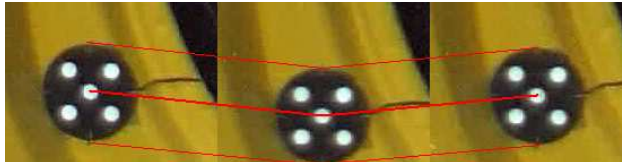


Figure 1: Movie with high vertical jumps



Figure 2: Stabilized movie

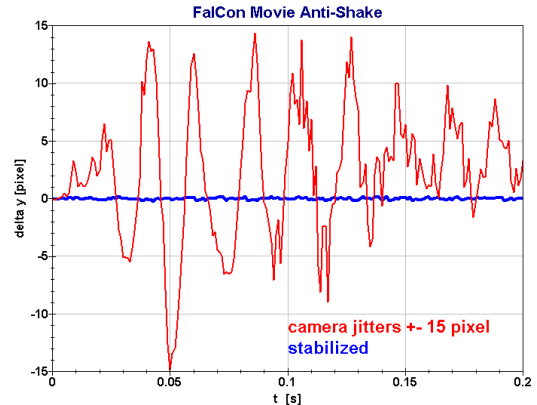
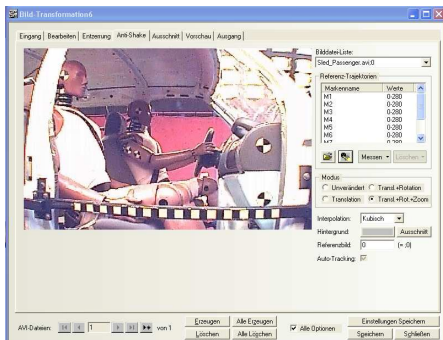


Figure 3: Effect of steadiness control

Often images recorded with onboard cameras on high-g sleds suffer from bothersome jittering.

To see more in details and to recognize the „real“ movements in a movie camera vibrations are compensated with the help of the module FalCon **AntiShake** in online- as well as in offline operation. The steadiness control uses reference markers to stabilize the image sequence.



No analysis expertise is necessary; the auto-marker-tracking can be run even during the AVI creation.

Therefore it is possible by using of **ImagerControl** combined with **AntiShake** (in an automated operation) to control high speed cameras, to download raw data and to process the steady movies.

The set up standstill markers can be used as template by test series.

### Applications:

- Steadiness control by onboard cameras
- Suspension of head rotation by Dummy Impact Tests
- Removal of jitter by rigid body
- Additional virtual onboard camera by stabilization of a image cuttings

### Technical details:

- Program system for computer platforms under WINDOWS XP / 2003 / Windows 7
- User interface compliant to MS-Windows.
- Upgrade to FalCon MovXact Pro.

**Still the test!**