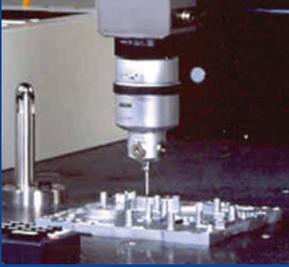# nit americas
INCORPORATED

HotShot e1024

The HotShot e1024 Complete Digital High-Speed Imaging & Analysis System

The HotShot e1024 is designed to be an all-inclusive easy-to-use, popularly priced, out-of-the box solution for a multitude of high-speed applications including: manufacturing, research, design & test, production and veterinary / human biomechanics analysis, to name a few.

The HotShot e1024 offers extended record time options (XLRT Modules) that enable the user to record up to three (3) minutes XLRT1, up to ten (10) minutes XLRT2, or up to twenty five (25) minutes XLRT3!

The HotShot e1024 includes all the components necessary to capture and analyzehigh resolution, high speed images:

- Small, compact, light sensitive e1024 high-speed camera
- 4m Gigabit Ethernet Cable / Power Supply
- Camera Control Console
- Motion Analysis Software

The HotShot e1024's built-in Motion Analysis Software turns the high-speed camera into a noncontact test instrument allowing the user to measure and track an object's velocity, position, size, location, acceleration, displacement and trajectory as well as many other characteristics. Analysis results can be instantly graphed / reviewed and exported to a variety of output formats for further analysis or presentation purposes.

The HotShot e1024 is an innovative, powerful tool for video capture and motion analysis. This user-friendly system makes it easy to extract, analyze and report motion from video for an unlimited number of applications. ...and best of all—it's priced to fit demanding budgets!

HotShot e1024 Digital High-Speed Imaging & Analysis System

What makes the HotShot e1024 High-Speed Motion Analysis System so unique?

No other high-speed system on the market today provides a high-speed camera, a comprehensive motion analysis software package AND a camera control console together for a very reasonable price. The HotShot e1024 Digital High-Speed Imaging and Analysis System is all-inclusive!
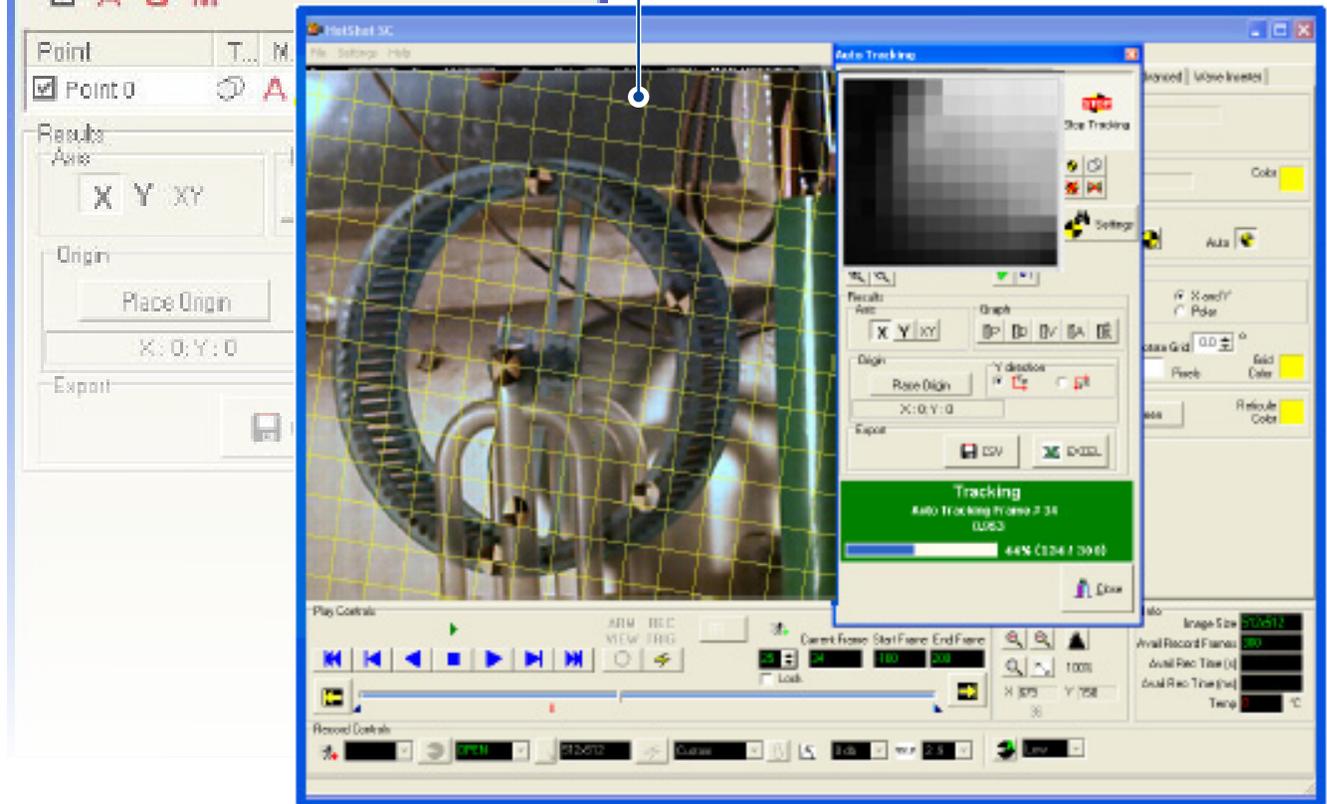
The HotShot e1024 Motion Analysis Software allows you to:

Track targets within the image. The HotShot e1024's Motion Analysis Software capitalizes on nit Americas' expertise in high-speed image capture and image analysis, presented in an intuitive, easy-to-use software system. The software automatically tracks up to five (5) points in the image sequence or manually tracks up to ten (10) points. The results are saved as *.CSV files and can be exported to a variety of spreadsheet applications for further analysis.

Generate Results Quickly. The HotShot e1024 Motion Analysis Software gives the user more flexibility in selecting the types of analysis to be performed, including, trajectory, position, displacement, velocity and acceleration.

Apply a grid overlay to your image. Grid lines can be horizontal vertical, both horizontal AND vertical, or Polar. The X&Y axes can be rotated by user-specified increments to aid the user in motion analysis.

HotShot e1024 High-Speed Camera The e1024 captures crisp, clear images at 1024 x 768 resolution up to 115 fps, 800 x 460 up to 250 fps or 640 x 450 up to 300 fps—and can capture images at up to 4,000 fps at reduced resolutions. The camera utilizes standard C-Mount and F-Mount lenses.