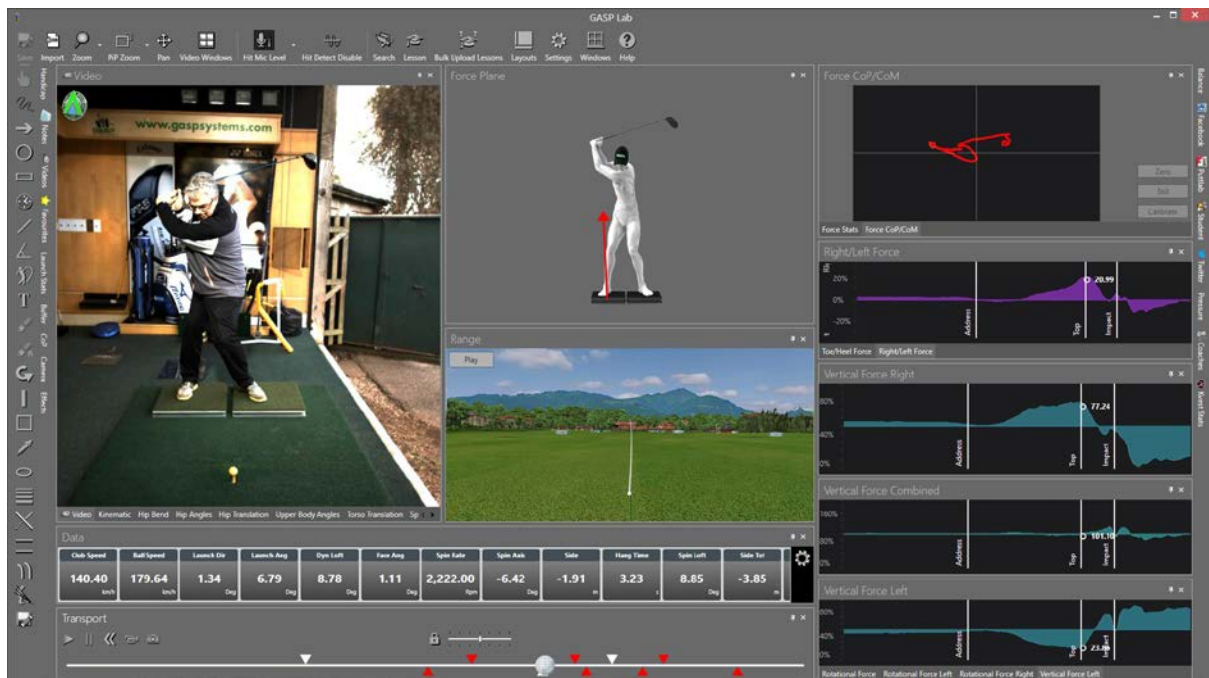


GASP LAB 6 What's NEW

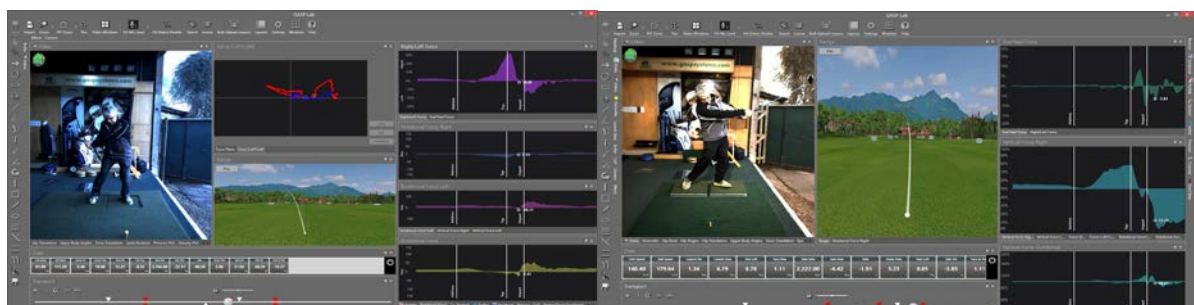


One of the major advancements in GASP Lab 6 is moving from 32 bit to a full 64 bit system. This has now made it possible to increase frame rate capture of many cameras that were restricted by the 32 bit program, both in our previous GASP Lab program and many of our competitors.

Example – GASP Lab 5, 4 x USB 3 cameras running at HD were restricted to 50 frames per second. In GASP Lab 6 (64 bit) the same cameras are capable of more than 200 fps.

One advantage is the speed in which the program works in 64 bit which is much faster and allows us to integrate more things.

We have add our dual force plate system. These state of the art platforms, normally found in research labs and universities can now be a used within GASP Lab 6.

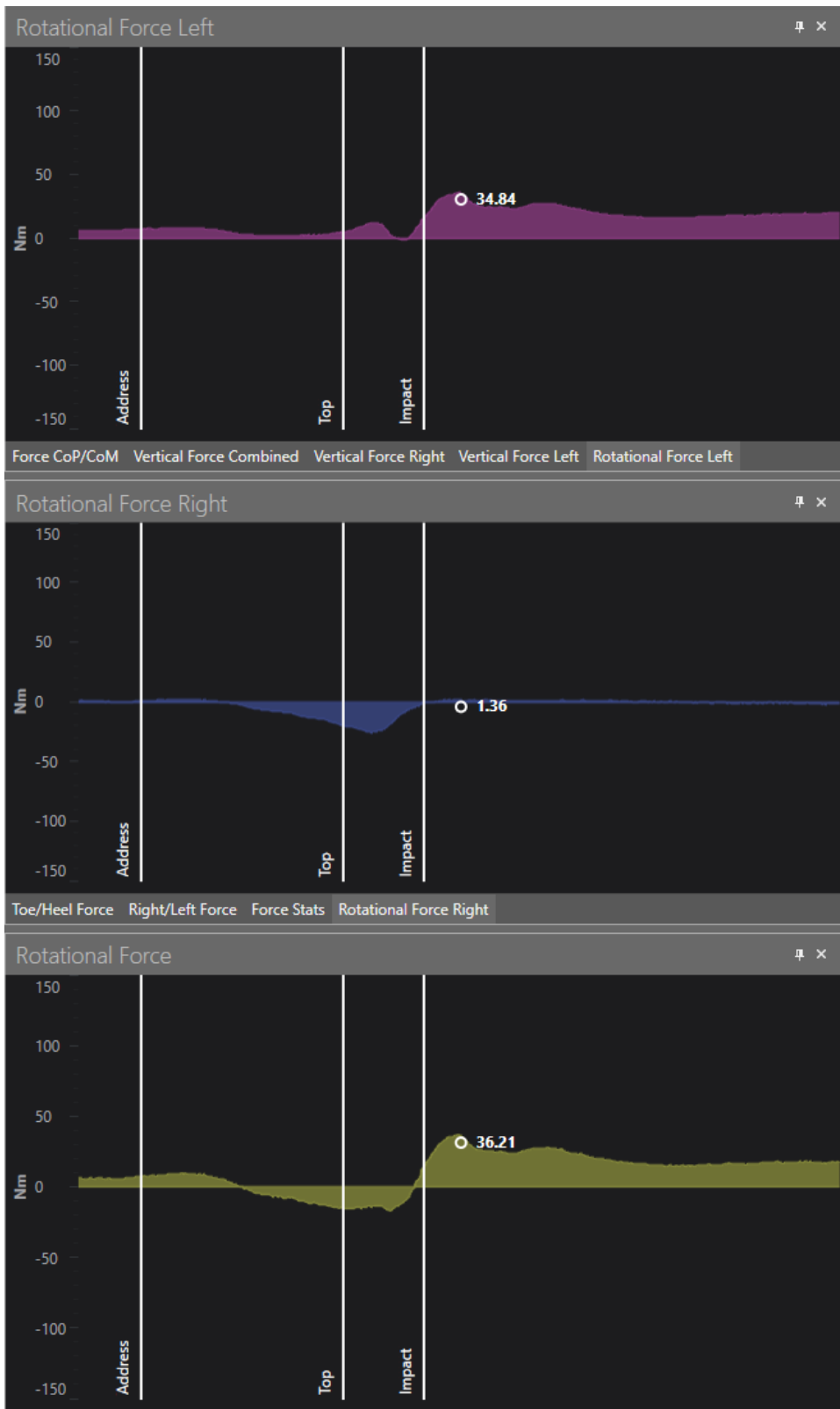


Measurements

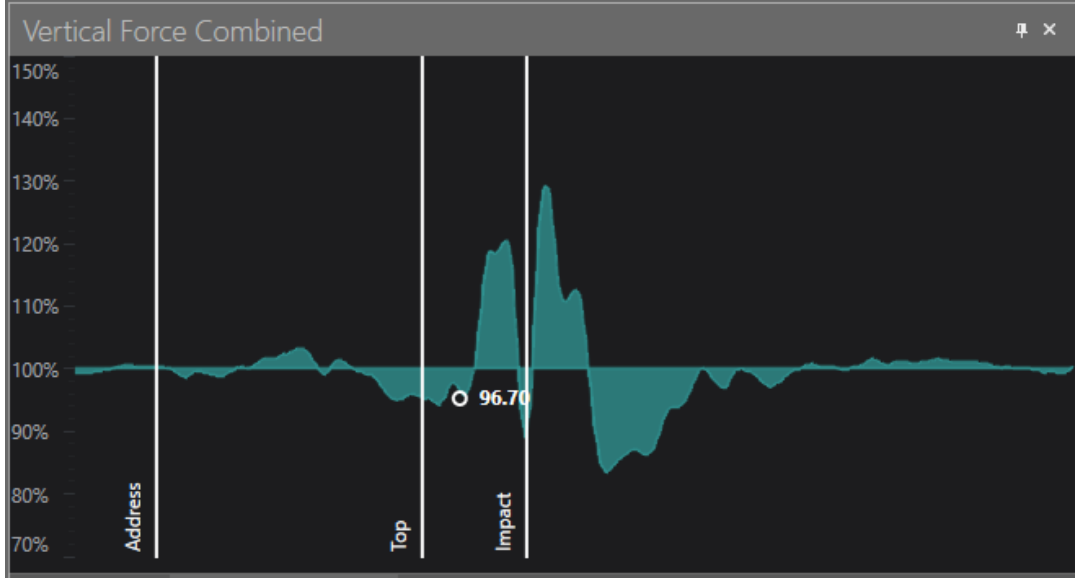
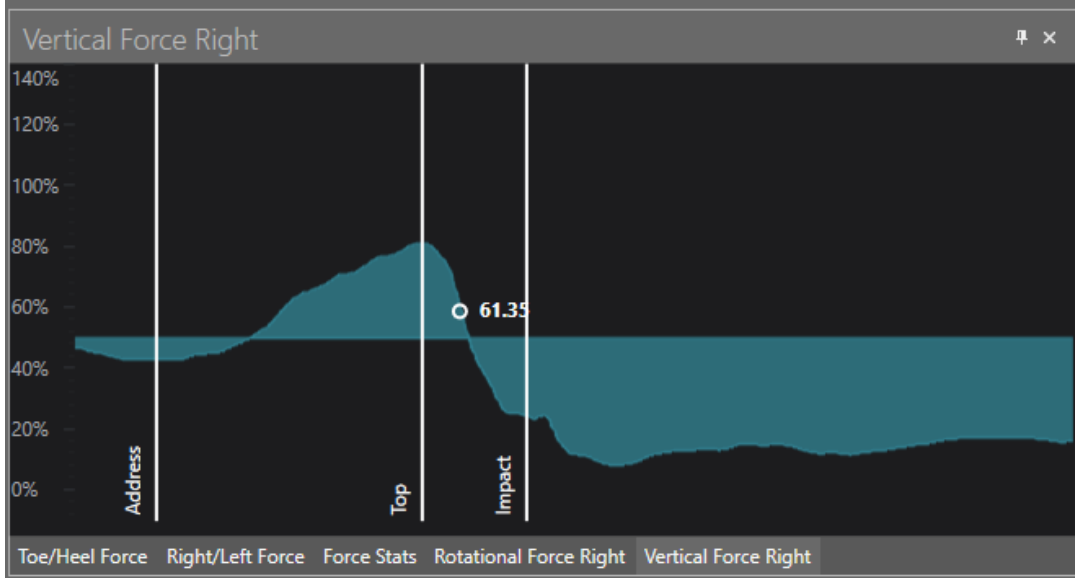
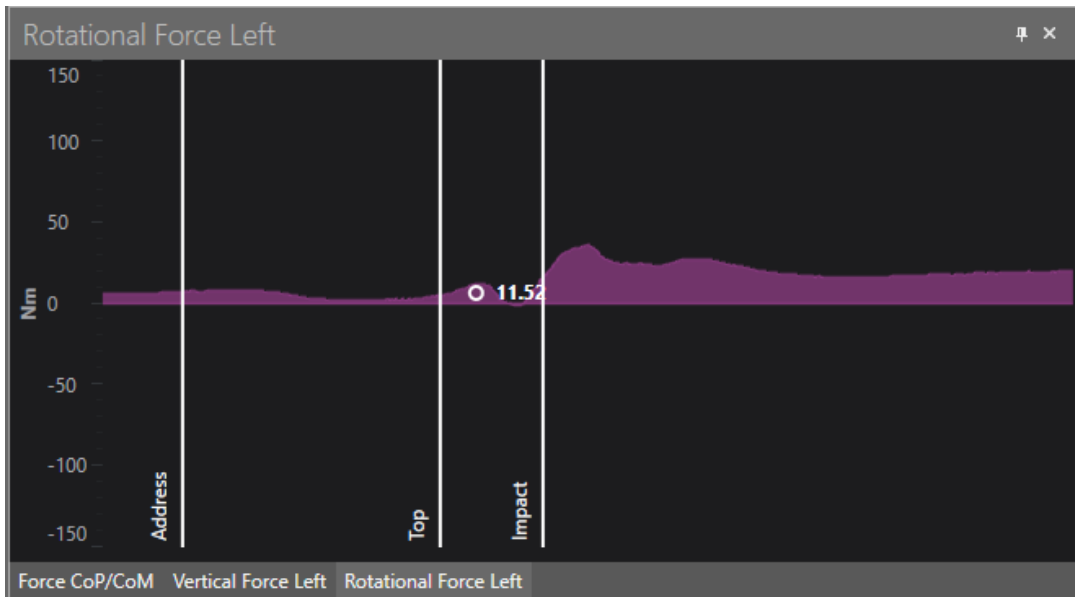
- Speed 100 HZ
- Vertical Force on individual feet & Combined forces.
- Rotational Force in individual feet and combined rotation forces.
- Horizontal left/right force.
- Horizontal Toe/heel force.
- Centre of pressure.
- Force vectors.

New Windows

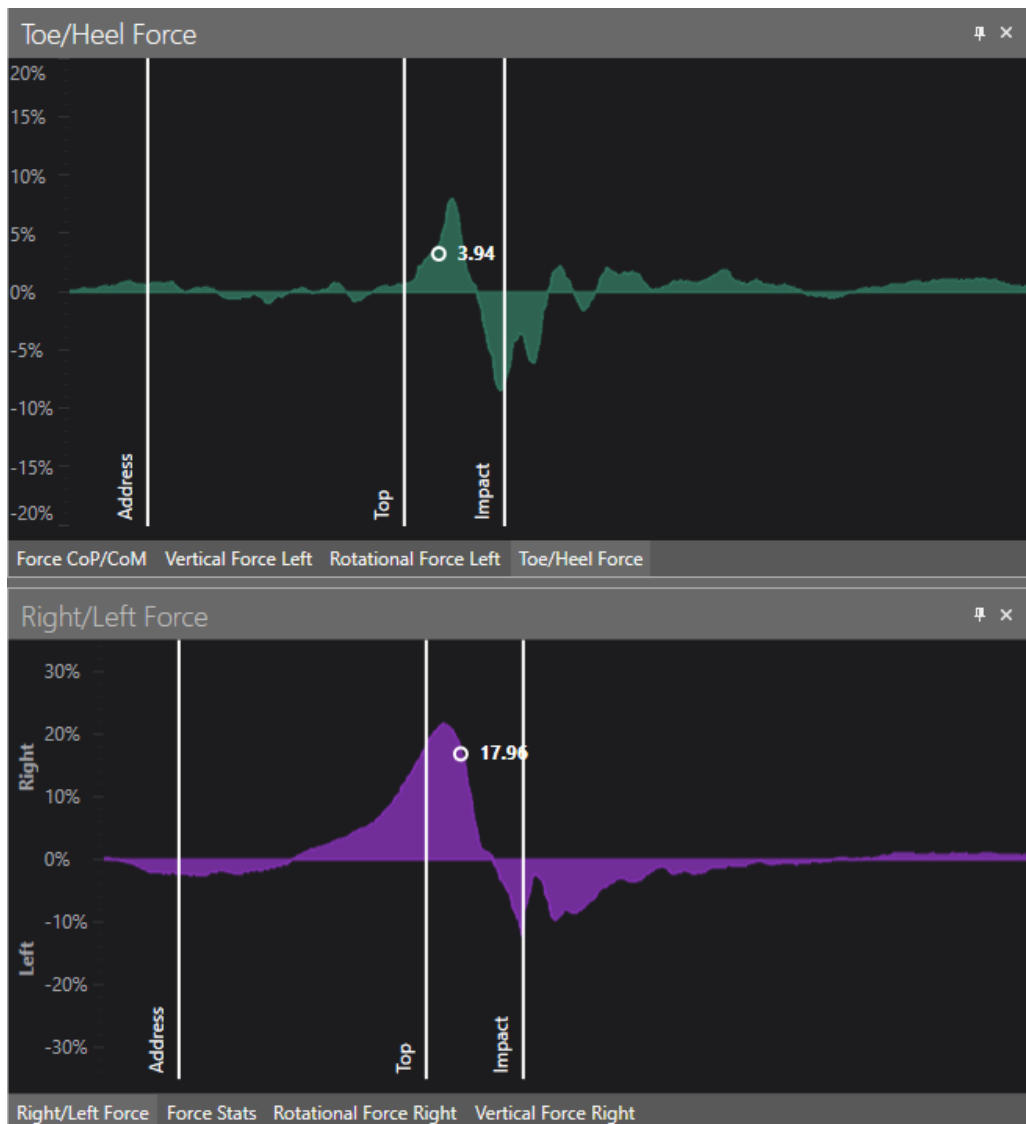
Rotational Force (Left foot, Right Foot, Combined)



Vertical Force (Left foot, Right Foot, Combined)



Horizontal Force (Left/Right force, Toe/heel Force)



Force Vectors.



Centre of Pressure Map



Force Stats

Right/Left Force		Rotational Force	
Max Left:	12.37 %	Max Torque:	36.80 Nm
Max Right:	21.54 %	Force Factor:	0.41
Max R. Timing:	-7 ms	Max T. Timing:	133 ms
Vertical Force Left		Rotational Force Left	
Max Weight:	105.46 %	Max Torque:	35.32 Nm
Min Weight:	14.42 %	Force Factor:	0.39
Max W. Timing:	60 ms	Max T. Timing:	133 ms
N:	313.28 N	Rotational Force Right	
Vertical Force Right		Max Torque:	1.89 Nm
Max Weight:	80.93 %	Force Factor:	0.02
Min Weight:	8.04 %	Max T. Timing:	-960 ms
Max W. Timing:	-327 ms	Force Plane	
N:	543.88 N	M (Estimated Torque)	-3,388.91 Nm
Vertical Force Combined		F (Force Magnitude):	-35.92
Max Weight:	129.18 %	D (Est Moment Arm):	-38.79
Min Weight:	83.44 %	Total Force:	857.16 N
Max W. Timing:	53 ms		
N:	857.16 N		
Toe/Heel			
Max Toe:	7.93 %		
Max Heel:	-8.53 %		

Kvest

Live button – This means that you can sync captured swings to moving numbers.

Also we have added the upper arm Graph in Kvest.

Launch Monitor

Addition of GC2 Quad (Available later 2017)

Pressure Plates

New Boditrak Integration. Vector SG, Vector, Vector Plate.

Drawing Tools

Lines drawn now stay in the screen when you select record and continue to stay in position until deleted. This not only saves time but also is very useful in training with a monitor in front of the player.

Interface – New colour Scheme and flexibility with windows positions and layouts.