Quintic Ball Roll System Options

Quintic Ball Roll®
The Launch Monitor for Putting...

Quintic Ball Roll v2.4 (Ball Only) System

The QBR v2.4 (Ball Only) System is our introductory system and designed for clients wanting to offer quick and accurate custom putter fitting.

It specialises in the performance of the golf ball throughout impact and up to 20 inches post impact. The system captures at 360 frames per second, without ANY attachments to either the player or the putter!



Key Features & Functions:

- Ball's Roll angle, Initial RPM and Vertical Height/Bounce
- Initial Launch Angle / Initial Total Spin
- Initial Ball Speed and percentage drop in ball speed
- Initial Flight Angle, maximum height during launch, surface interaction period
- Ball's Initial Spin Axis and 3D spin
- The three components of this Initial Spin (Forward/Back, Cut/Hook, Rifle Spin)
- Averages for all ball data calculated automatically
- Start of Forward Rotation and Time/Distance to Zero Skid
- A numerical and graphical summary of variables from up to 200 putts
- Choice of Stimp - data for Rolling Distance, Putt Distance, Sliding % of Putt Distance, Rolling % of Putt Distance
- Indoor / Outdoor Mode (Outdoor Mode – Auto Exposure Setting)
- Custom Variables – Allows up to 12 selected variables to be displayed
- Third Average, allowing the user to compare the performance of three different balls or players
- Metric & Imperial Options for Data Output
- Summary includes over 20 variables, 4 summary graphs and 12 putts which can be viewed on each graph at any one time

This system includes the latest QBR v2.4 Software, a Quintic High Speed USB3 Camera and all the hardware required for custom putter fitting indoors.

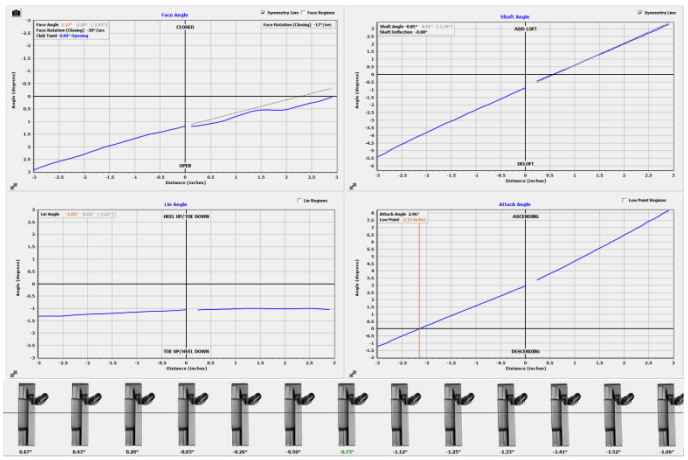
8,100 EURO

Including delivery, online new user training and support

Quintic Ball Roll v3.4 System

The QBR v3.4 System has been designed for both custom putter fitting and golf putting coaching, for players of all levels and abilities.

It specialises in the performance of both the putter and ball throughout impact and up to 16 inches post impact, capturing at 360 frames per second, without ANY attachments to either the player or the putter!



Key Features & Functions:

- ***All Features included within the v2.4 (Ball Only) System and ...***

- Face, Shaft & Lie Angles for both address and impact
- Club Head Twist, Speed, Acceleration and Attack Angle
- The projected direction of the ball due to Impact Face Angle (Push/Pull)
- Impact Ratio (Ball Speed divided by Clubhead speed at impact)
- Summary includes over 30 variables, 5 summary graphs and 12 putts which can be viewed on each graph at any one time
- Club shaft deflection at impact
- Averages for all club and ball data calculated automatically
- The projected horizontal start direction of the ball due to the Impact Putter Face Angle (Push/Pull)
- 3D Visualisation Window – uses face angle, ball speed and chosen stimp to predict where the ball would have finished on a flat surface

This system includes the latest QBR v3.4 Software, a Quintic High Speed USB3 Camera and all the hardware and training aids required for custom putter fitting and golf putting coaching indoors.

9,500 EURO

Including delivery, online new user training and support

Quintic Ball Roll v4.4 System

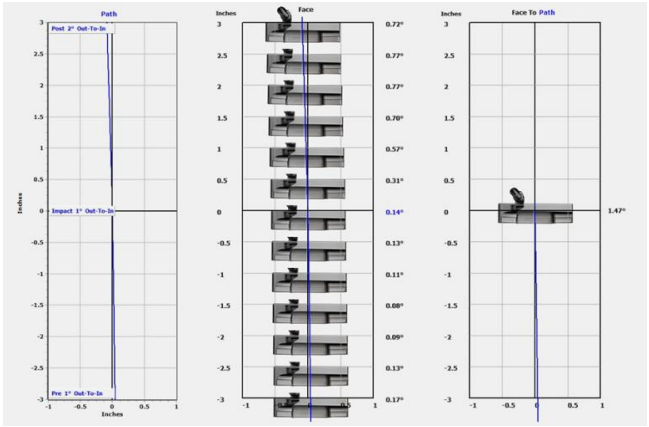
The QBR v4.4 System has been designed specifically to meet the needs of club fitters and specialist putting coaches.

It specialises in the performance of both the putter and ball throughout impact, capturing at 360 or 720 frames per second, without ANY attachments to either the player or the putter!

Key Features & Functions:

- ***All the features included within the v3.4 System and ...***

- Values for pre-impact, impact and post impact club path
- 3D Ball spin parameters throughout the putt
- Roll angle and RPM Graphs for all three components of spin and total spin
- Graph of Club Head path throughout the impact area
- Face to path values, display and animation
- Live Club Feature - Ability to display live face, lie and shaft data for a Putter held in position. The ability to select audio Biofeedback i.e. The software will "beep" when the club is inside/outside a chosen face, lie or shaft angle range
- Live Club Graph and Table**:** A constantly updating graph for one of the three Live Club angles (face, lie or shaft) and a table that you can manually add data to
- Over 50 variables,12 summary graphs and 12 putts which can be viewed on each graph at any one time



This system includes the latest QBR v4.4 software, a Quintic High Speed USB3 Camera and all the hardware and training aids required for advanced putting coaching and club fitting.

11,500 EURO

Including delivery, online new user training and support

Quintic Ball Roll v4.4 Research

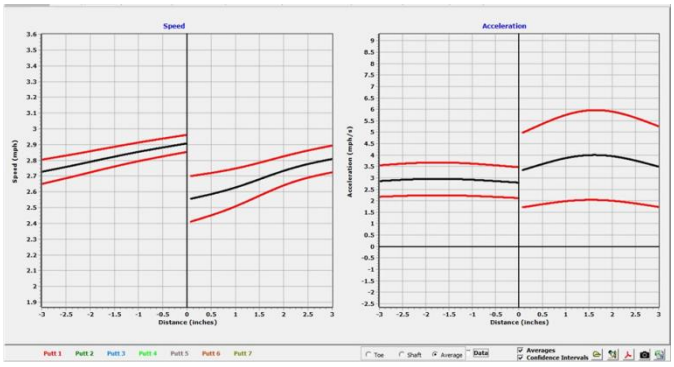
The QBR v4.4 Research is our most advanced system, designed specifically for club manufacturers, research and development and club fitters. The ability to change the capture frame rate within the software, makes this system ideal for advanced club fitting and specialist putting coaching.

It specialises in the performance of both the putter and ball throughout impact, capturing at 360, 720 or 1080 frames per second, without ANY attachments to either the player or the putter!

Key Features & Functions:

- ***All the Features included within the v4.4 System and ...***

- Ability to capture and analyse **all** club and ball data at 360, 720 or **1080 frames per second**
- Ability to display 95% confidence intervals on selected graphical data
- Third set of confidence intervals when using Third Average Function



This advanced system includes the latest QBR v4.4 Research Edition software, a Quintic High Speed USB3 Camera plus all the other hardware required for research and development, as well as advanced club fitting and specialist putting coaching.

12,800 EURO

Including delivery, online new user training and support

Full details of all four of the QBR Systems, including introductory videos, can be found on the QBR website: https://quinticballroll.com/Quintic_Ball_Roll_Systems.html.

Details of the computer specifications required to run QBR Software can be found here.

Quintic Ball Roll Outdoor Accessory Pack

The QBR Outdoor Accessory Pack allows a client to use any of the latest QBR Systems effectively outdoors!











Each pack includes:

- Hardened Travel Case
- Purpose Built Outdoor LED Light.
- 2 Outdoor Batteries and 2 Chargers
- Camera Lens Sunlight Filter
- PH Elevated String Line
- Quintic Black Towel



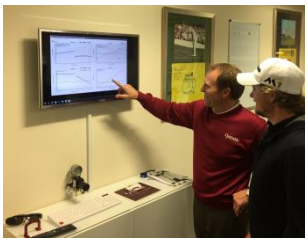




2,400 EURO
Including Delivery

Quintic Ball Roll Accreditation Programme

Clients enrolled on the Quintic Ball Roll Accreditation Programme are entitled to the following annual benefits:



- **Free QBR Software Updates**
- **Exclusive access to regular QBR training webinars and the online QBR Level 1 & Level 2 certified instructor test**
- **Complimentary online training session**
- **QBR System Upgrade Offers & Discounts, (*Clients MUST be enrolled on QBRAP for minimum of 12 continuous months before qualifying for discounts)***
- **On-going Comprehensive User Support – Available via Email, Phone / Skype and Online Meeting**
- **One free delegate place on a QBR Workshop or Accreditation Day and additional places available at a discounted rate**
- **Option to have the details of your Accredited Centre* and Certified Instructors** included on the QBR 'Find an Expert' Webmap** – See http://quinticballroll.com/Quintic_Ball_Roll_Find_an_Expert.html
- **Complimentary toe and shaft stickers for 350 putter fittings** - **Available to order via email or telephone and sent via Royal Mail second class post or economy airmail**
- **Complimentary Golf Dots for 24 golf balls of your choice per annum - Available to order via email or telephone and sent via Royal Mail second class post or economy airmail**

***** *A Quintic Ball Roll Accredited Centre is a client who owns a QBR System and is enrolled on the Quintic Ball Roll Accreditation Programme*

****** *A Certified Instructor is one who has passed the QBR Level 1 / Level 2 Online Test*

The annual subscription for this programme is 800 EURO per annum or £600 by credit debit card. Clients have the option to pay this in a single instalment or in equal monthly instalments of £50 by Standing Order (UK only) or PayPal / TransferWise (Overseas)

QBRAP annual subscription increases by 80 EURO per annum (£5 per month) per additional software licence

Annual Premiums – Annual Premiums are payable upon enrolment and annually thereafter. Renewal premiums are invoiced 1 month prior to renewal

Monthly Payment - Clients paying by Standing Order, PayPal or TransferWise will be entitled to the full benefits of the programme on a rolling basis. Should monthly payments cease, Quintic will invoice the client for the full outstanding annual premium at that time