



# THE ULTIMATE GOLF SIMULATION EXPERIENCE!



Featuring Our Exclusive ...  
**DivotAction™ Turf Surface**  
Plus ... Camera Launch + Ball Spin + Ball Speed

Metro Atlanta: 770 - 926 - 4653  
Toll Free: 877 - 632 - GOLF (4653)  
International: 001 - 770 - 926 - 4653



[CustomDesignGolf.com](http://CustomDesignGolf.com)

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## QUICK PRODUCT OVERVIEW

ProTee United BV is a privately owned Global golf technology company specialized in developing, manufacturing and worldwide distributing of professional 3D Golf Simulation systems for home and commercial use. We have been producing Golf Simulator products since 2001, and have many satisfied customers throughout the world. We have an excellent reputation for quality, reliability, and service, and all our products are designed, engineered, and manufactured in The Netherlands. ProTee United is represented in many countries world wide. Our clients are indoor golf centres, golf training facilities, sport centres, golf shops, hotels, congress centres, airports, sport events, rental companies and even private individuals - here we bring the quality of the Professional Golf Simulator right inside you're very own home! ... A MUST FOR EVERY SERIOUS GOLFER

### THE PROTEE GOLF SIMULATOR

The ProTee Golf Simulator system is state-of-the-art and having undergone over 10,000 man hours of development it offers features at and beyond those of other systems costing 10 times as much. High speed optical sensors track the club head and ball to give an unparalleled realistic ball flight trajectory.

The system allows you to use your own golf clubs (from driver to putter) without any modification and play a complete round of golf with up to 8 players in a single flight. Play online over the internet or against the computer on worlds most famous Golf Courses.

### FEATURES

- Fully modular, configure your own simulator
- High speed optical sensor systems
- Spectacular views of 75 full 18 hole championship and other famous golf courses right out of the box
- High performance Real 3D graphics in full HD
- Real time play with realistic golf physics engine
- Detailed swing analysis after every shot
- Play offline, online or against the computer
- Suitable for commercial, teaching & home use
- Multilanguage (EN, FR, DE, ES, IT, KO & CN)
- 2 year warranty and free automatic updates
- International E-mail, phone and remote support



**PROTEE GOLF SIMULATOR** A must for every serious golfer!  
*You'll SEE and FEEL the difference!*



*Built-In Golf Simulator Shown Here*

Full Golf Simulation and Accuracy  
at a fraction of the cost of other systems!

#### AREA SIZE REQUIREMENTS

ProTee Golf Simulator in a commercial environment. Swinging a golf club requires a certain amount of clearance to ensure a safe area to play in and for spectators.

The preferred area would be 9 to 10 ft high and the width should be 15 feet with the overall depth of 20 ft.

The Enclosed or Built-In area would be as follows:

- 10 ft high x 15 ft wide x 10 ft deep
- 10 ft high x 15 ft wide x 15 ft deep

#### Our COMPLETE ENCLOSURE SYSTEMS Include ...

- ProTee Golf 2.0 software with 75 golf courses
- Our Exclusive DivotAction™ Turf Surface
- Dual Mat for RH & LH Play
- Cinema Widescreen 8' x 12' Prof. Video Impact Screen
- 10'h x 15'w x 10'd Full Enclosure (portable or built-in)
- HD Projector with Ceiling Mount & HDMI Cable
- 3.0Ghz Desktop PC with 1GB Video Memory
- Remote installation support
- Free automatic updates
- 2 year sensor hardware warranty

#### INSTALLATIONS

Below a few impressions of installations of the ProTee Golf Simulator and its possibilities.



*Indoor golf center*



*Showroom*



*Sports Bar / Home*



*Trade Show Event*

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## Recommended system requirements

Windows XP/Vista/Windows7, 3.2 GHz dual core processor, 2048 MB system memory, 4 Gb of free hard drive space, 512 MB DirectX 9.0c compatible 3D Graphics Card, DirectX 9.0c compatible sound card, DVD-Rom 16x speed, high-speed broadband internet connection.

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INTERNET CONNECTION AND END USER LICENSE AGREEMENT REQUIRED FOR ACTIVATION AND (MULTI)PLAY.

### 75+ SPECTACULAR AND HIGHLY DETAILED 3D GOLF COURSES

Abu Dhabi Golf Club - National Course	Kingsbarns
Akron	Kungsangen Kings Course
Arcadia Ranch	La Tempete
Autumn Hills	Little Tree Championship
Azalea	Lone Wolf
Big Sur	Monterey Bay
Blua Bayou Golf and Fishing Club	Monterey Beach
Bro Balsta	Monterey Glass
Broken Tree	Muirfield Village
Burrangarra	Oak Field
Carnoustie Golf Links	Oakmont Country Club
Celtic Manor 2010 - Ryder Cup Edition	Pellican Hill Ocean Course
Chestnut Plain	Prairie Dunes
Coeur d'Alene Golf Resort	Quail Hollow
Cog Hill	Renaissance
Cougar Ridge	Richlands CC
Devils Garden	Rocky Mountain Golf Resort
Doral Resort - Blue Monster	Royal Harare
Doral Resort - Great White	Royal Links
El Cortante	Royal Troon
Emirates Golf Club - Majlis	Sharjah Golf & Shooting Club
Enchanted Forest	Saxe Gotha
Estonia	Snake Pit
Fairmont Le Manoir Richelieu	Sunningdale
Fife Jubilee	Tall Pines
Fife Old Golf Links	The Celtic Manor Resort 2010
Firestone Country Club	The Crossing
Fontainebleau	The Dutch
Groningen Golf Links	The Heretic
Gut Kaden Golf & Country Club	The Hollow
Hampton Green	The Links at Spanish Bay
Hanauma Cliffs	The Manor
Hazeltine National GC	The Wisley Golf Club
Heron Point	Turnberry - Ailsa Course
Hidden SHOals	Valley of Tranquility
Hills of Clarity	Vanajanlinna Golf & Country Club
Inlet Links	Warwickshire Brabazon
Innesbrook Resort - Island Course	Warwickshire National
Kennemer	Willow Lakes GC

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## FEATURES ...

- Real 3D Graphics Engine
- Our exclusive ... **DivotAction™ Turf Device - The very first 'REAL FEEL' simulator turf surface**
- Stunning graphical effects including enhanced lighting and shadow systems for objects and terrain, normal map, detail map, mega-texture and more
- Zero load times between holes
- Realistic high detailed computer characters and animations shown when playing against the computer or against internet players.
- Amazing draw distance, allowing the entire course to be displayed in the distance
- Real-time passing of time – choose your tee time and watch time fly
- Seventy five (75) courses available out of the box, with further courses available to download, including real, licensed courses
- Realistic physics engine, using real-world data
- Widescreen support - 4:3, 16:9 and 16:10 aspect ratio options
- Screen resolutions up to 5760x3600 using multiple graphics cards
- Multilanguage: English, French, German, Spanish, Italian, Korean & Chinese
- Play offline and online with up to 8 players in a flight
- Full swing analysis displayed after every shot
- High speed optical sensor and camera systems
- Putting sensors for realistic putting including short puts
- Multi colored ball traces and putting green grids
- Driving, putting and chipping practice ranges
- Easy software installation and free remote installation support

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## PROTEE SIMULATOR TECHNOLOGY

The ProTee Golf Simulator system is state-of-the-art and having undergone over 10 years of development it offers features at and beyond those of other systems costing 10 times as much. A total of 150 high speed optical sensors track the club head and ball with high accuracy to give an unparalleled realistic ball flight trajectory.

## FEATURES INCLUDE:

### HIGH ACCURACY MODULAR PROFESSIONAL SENSOR CLUB MAT

The professional sensor mat detects club-head speed, swing path, club face angle, sweetspot position, swing tempo, ball speed and ball path and calculates launch angle and spin rates. With the sensor mat you can practice your swing and play a full round of golf including chipping, pitching and putting.

### HIGH SPEED CAMERA SENSOR SYSTEM

High speed camera will track the ball flight providing more accurate ball launch angles and includes ball spin, and ball speed data.

### AMAZING VIEWS

Spectacular views of the 18 hole championship golf courses. The system uses a combination of real high resolution 3D digitized photos and computer generated 3D graphics with contoured terrain and obstacle definition - balls bounce off trees, carts etc. and roll down hills - even into water with a splash.

### HIGH PERFORMANCE GRAPHICS

The graphics system is a high resolution and high performance one (typically 70 frames per second and 16.7 million brilliant colors) that allows the user to move in real-time around the course. This is in strong contrast to all other systems that only show a static view. The graphics system is actually like a continuous movie. e.g. If, at any time during the game you want to see what lies behind a hill, you can simply navigate the virtual camera to go and have a look. Course fly-overs and multiple simultaneous views are all standard features. The user can even set the virtual view camera to be in the ball itself so that he/she may fly with the ball along its trajectory in real time.

### FLY WITH THE BALL

After your shot the virtual 3D graphics camera will fly you along the ball's trajectory to where the ball lies for the next shot. There are 15 different camera positions to choose from. As opposed to other systems where you have to wait for the new view to be calculated, the graphic system is so fast it seems instantaneous.

### REALISTIC BALL FLIGHT TRAJECTORY, BOUNCE AND ROLL

Including hooks, slices, pushes, pulls, fades and draws or any combination thereof, i.e. pushed hooks, pulled slices etc. plus wind factors (strength and direction) are also taken into account. When chipping and putting, the ball will follow the contour of the surface and its path and speed will be influenced accordingly. Also, the flight trajectories of missed shots are shown i.e. topped or fat shots, skied and shanked etc. The flight trajectory calculation routines use proven mathematical formulas that use all the parameters of the clubface at impact with the ball together with the ball's initial flight angles and velocities.

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A full swing analysis screen is presented after every shot.



## MEASUREMENTS & CALCULATIONS

See why the ball flew the way it did. High speed optical sensors are built into the mat to capture all elements of the club face at impact with the ball and the ball's direction and speed. This data is shown graphically after every shot.

Data included:

- Club head speed at impact to the ball
- Club head speed at impact (in kph or mph).
- Club face angle at impact (number of degrees open or closed).
- Club face relative to path (number of degrees).
- Sweet spot deviation (in mm).
- Swing path (in degrees from out to in, in - out).
- Ball launch angle (in degrees).
- Ball path (in degrees left or right).
- Ball speed (in meters or yards).
- Total carry (in meters or yards).
- Current lie (tee box, fairway, rough, green, etc).
- Bounce (in meters or yards).
- Ball roll (in meters or yards).
- Total distance including bounce and roll (in meters or yards).
- Ball spin rates (under spin, side spin in rpm and axis tilt in degrees).
- Smash factor (ball speed in relation to club speed).
- Off line distance (in meters or yards).
- Swing tempo (in seconds).

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## DESIGN YOUR OWN GOLF COURSES

This unique feature released with our 2010 edition allows you to integrate your own designed golf courses using full 3D course designer. The surface texture maps, topographic height and light maps, surface recognition, sky boxes and object maps are all just standard bitmap files that can be generated by any good graphics tool. The level of detail and realism is only limited by your artistic abilities, imagination and time.

## BALL IMAGE STARTS AT THE BALL IMPACT POINT ON THE SCREEN IN REAL TIME

When you hit the golf ball into a special projection screen, the screen will absorb its energy and it will fall to the floor. Its image, however, will continue on from the point of impact on the projection screen in a continuous smooth flow. And it is this aspect of the software - together with the field-of-view and perspective giving you the impression you are standing on the course - that makes the simulator so life-like and differentiates it from the PC golf game software ProTee Play. You can aim at any target on the screen and if you hit an obstacle (ie a tree branch) the ball will bounce off accordingly.

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## TWO-YEAR LIMITED WARRANTY

PROTEE UNITED B.V. ("PROTEE") and CUSTOM DESIGN GOLF warrants only to the original purchaser of this product from a ProTee-authorized reseller or distributor that this product will be free from defects in material and workmanship under normal use and service for two years after date of purchase. ProTee reserves the right, before having any obligation under this limited warranty, to inspect the damaged ProTee product, and all costs of shipping the ProTee product to ProTee for inspection shall be borne solely by the purchaser. In order to recover under this limited warranty, Purchaser must make claim to ProTee within 30 days of occurrence, and must present acceptable proof of original ownership (such as original receipt, warranty card registration, on-line registration, or other documentation ProTee deems acceptable) for the product. PROTEE, at its option, shall repair or replace the defective unit covered by this warranty. Please retain the dated sales receipt as evidence of the original purchaser's date of purchase. You will need it for any warranty service. In order to keep this limited warranty in effect, the product must have been handled and used as described

in the instructions given verbally and/or in writing by ProTee. This limited warranty does not cover any damage due to accident, misuse, outdoor-use, abuse or negligence. This limited warranty is valid only if the product is used with the equipment specified by ProTee. Please call PROTEE for details or call PROTEE technical support. This limited warranty is non-transferable and does not apply to any purchaser who bought the product from a reseller or distributor not authorized by PROTEE, including but not limited to purchases from internet auction sites. This warranty does not affect any other legal rights you may have by operation of law.

Contact PROTEE at [www.protee-united.com](http://www.protee-united.com) or at one of the technical support numbers for warranty service procedures.

## DISCLAIMER OF WARRANTY

EXCEPT FOR THE LIMITED WARRANTY PROVIDED HEREIN, TO THE EXTENT PERMITTED BY LAW, PROTEE AND CUSTOM DESIGN GOLF, DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT THAT ANY IMPLIED WARRANTIES MAY NONETHELESS EXIST BY OPERATION OF LAW, ANY SUCH WARRANTIES ARE LIMITED TO THE DURATION OF THIS WARRANTY. SOME STATES/PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

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