CAMMEGH
The World's Finest Roulette Wheel

Traditional double radius separator ring

Scalloped separator ring

A standard Cammegh ball stop, curved in all 3 axes

Engineering Excellence

The balance between fine form and precision engineering can be seen throughout Cammegh's production process, from the first component right through to the finished roulette wheel.

Cammegh bearings set the standard for quality and reliability, precisely manufactured from solid high-tensile stainless steel, then machined and ground to the finest precision tolerances. The bearings are maintenance-free and never require lubricating.

Ball stops and separator rings are carefully shaped with curves in multiple axes - a subtle detail that ensures ball scatter is maximised, whilst also boosting the aesthetic value of the wheel.

Cammegh's state-of-the-art CNC machine shop ensures absolute control during the manufacturing process. Everything from the bowl to the turret is made on-site, so there is nothing that cannot be made to order.

This level of control is what maintains customers' high level of confidence in the Cammegh roulette wheel.
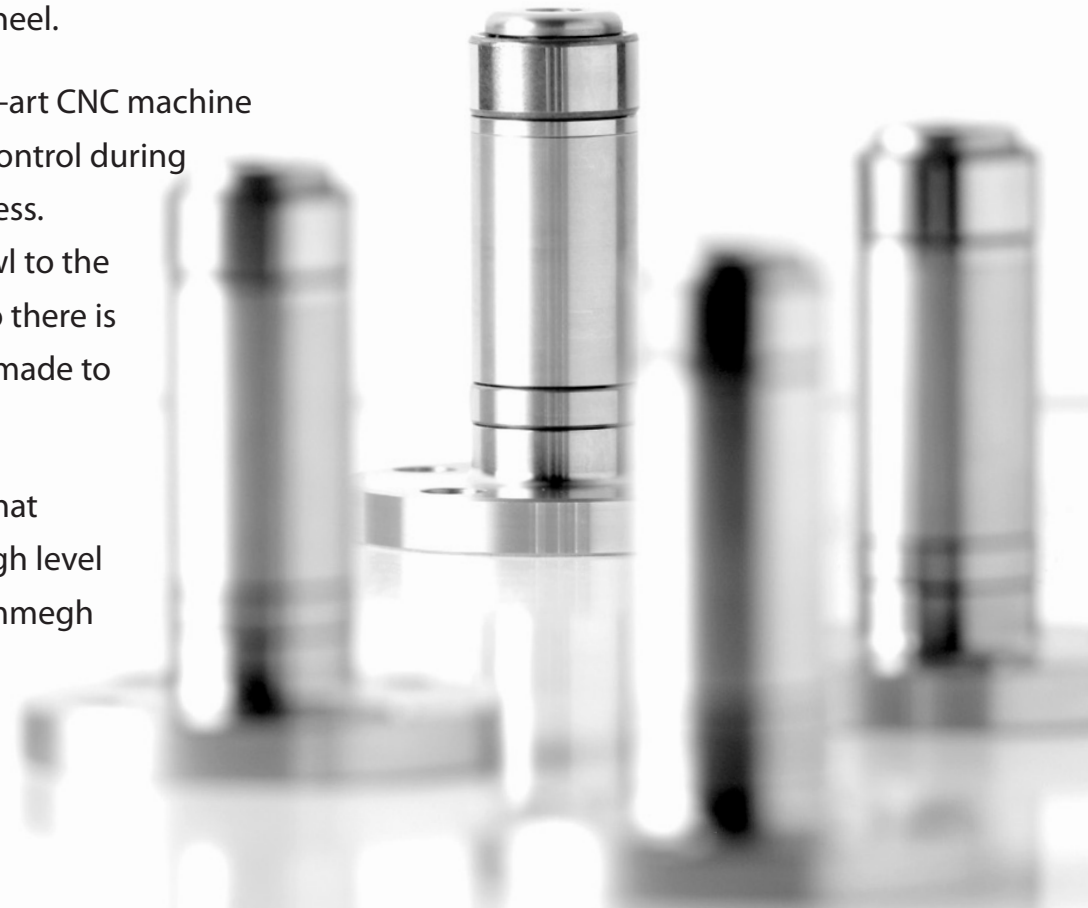
The World's Finest Roulette Wheels

Having specialised in the manufacture of roulette wheels for over 30 years, Cammegh has developed a deep knowledge of both the established and evolving demands of roulette. As well as fine examples of precision engineering, roulette wheels must be aesthetically beautiful and secure to operate, all with a minimal of servicing.

Cammegh has led the industry in developing new materials and security measures to uphold the integrity of the wheel and of the game itself. The Mercury 360 range *(pg. 4)* makes use of a composite bowl to ensure a stable platform that is inert to changes in temperature and humidity, while the RRS component delivers random rotor speeds to combat wheel clockers and advantage players *(pg. 8)*.

Classic

The Cammegh Classic is the definitive American roulette wheel and the purest example of Cammegh's manufacturing philosophy. With precision-engineered components and a vast scope for customisation, the Classic makes an attractive, reliable addition to any gaming floor.

The Classic, as with all Cammegh roulette wheels, comes in single, double and even triple-zero variants and features a bearing that is maintenance-free for life. The CNC-milled ball stops and turret can be finished in 24 carat gold or nickel plate, subject to requirement.

Wheel below features Mahogany veneer, with brightwork combining nickel, stainless steel and polished aluminium

Connoisseur

The Connoisseur builds on the quality of the Classic by incorporating Cammegh's unique Garnite racetrack for increased durability.

A wide range of customisations are available for the Connoisseur, as throughout the range, including single, double and triple-zero rotors. Additional options include scalloped or traditional double-radius separators, engraved turrets and a choice of colours or natural wood veneers.

Wheel below features scalloped separators, Santos Rosewood veneer and brightwork combining nickel, stainless steel and polished aluminium

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Mercury 360

The Mercury 360 is the industry's leading intelligent roulette wheel and Cammegh's flagship product. By elegantly fusing the unrivalled mechanical precision of the Connoisseur with the feature-packed Mercury 360 Game Engine, the Mercury 360 represents a quantum leap in manual roulette. A sophisticated array of four invisible In-Rim sensors provide secure winning number recognition and output live data for table displays, analysis tools and Electronic Gaming Terminals.

As throughout the range, the Mercury 360 is customisable with a range of finishes and veneers. It is available with traditional or scalloped separators, and in either single, double and triple-zero number ring configurations.

Wheel below features Mahogany veneer, with brightwork combining nickel, stainless steel and polished aluminium

Mercury 360 Halo

The Mercury 360 Halo adds a colourful LED band above the racetrack that dramatically illuminates the wheel. The ball, tracked by In-Rim sensors, can be 'chased' by the Halo as it spins around the racetrack, creating an exciting comet-like effect within the rim. Single colours and smooth colour cycles can be used to accentuate game events, to denote table denominations or simply to decorate the gaming floor.

Mercury 360 Aurora

The Mercury 360 Aurora adds a vibrant array of LEDs beneath the cone to provide a whole spectrum of rich colour that can be used to highlight game events, denote table denominations, or enhance the ambience of the casino:

- Colour changes at game events, e.g. no-more-bets

- Constant illumination

- Multi-colour cycles

As an added option, the Halo band *(pg. 6)* can be incorporated.

Mercury 360 RRS

The unique and patented Mercury 360 RRS (Random Rotor Speed) randomly and imperceptibly changes the rate of deceleration of the rotor from game to game by means of an innovative contact-less system. This dramatically increases the wheel's unpredictability and provides a new layer of security against wheel clocking and advantage play, whilst also boosting productivity in the online environment by allowing bets to be placed after the ball is spun.
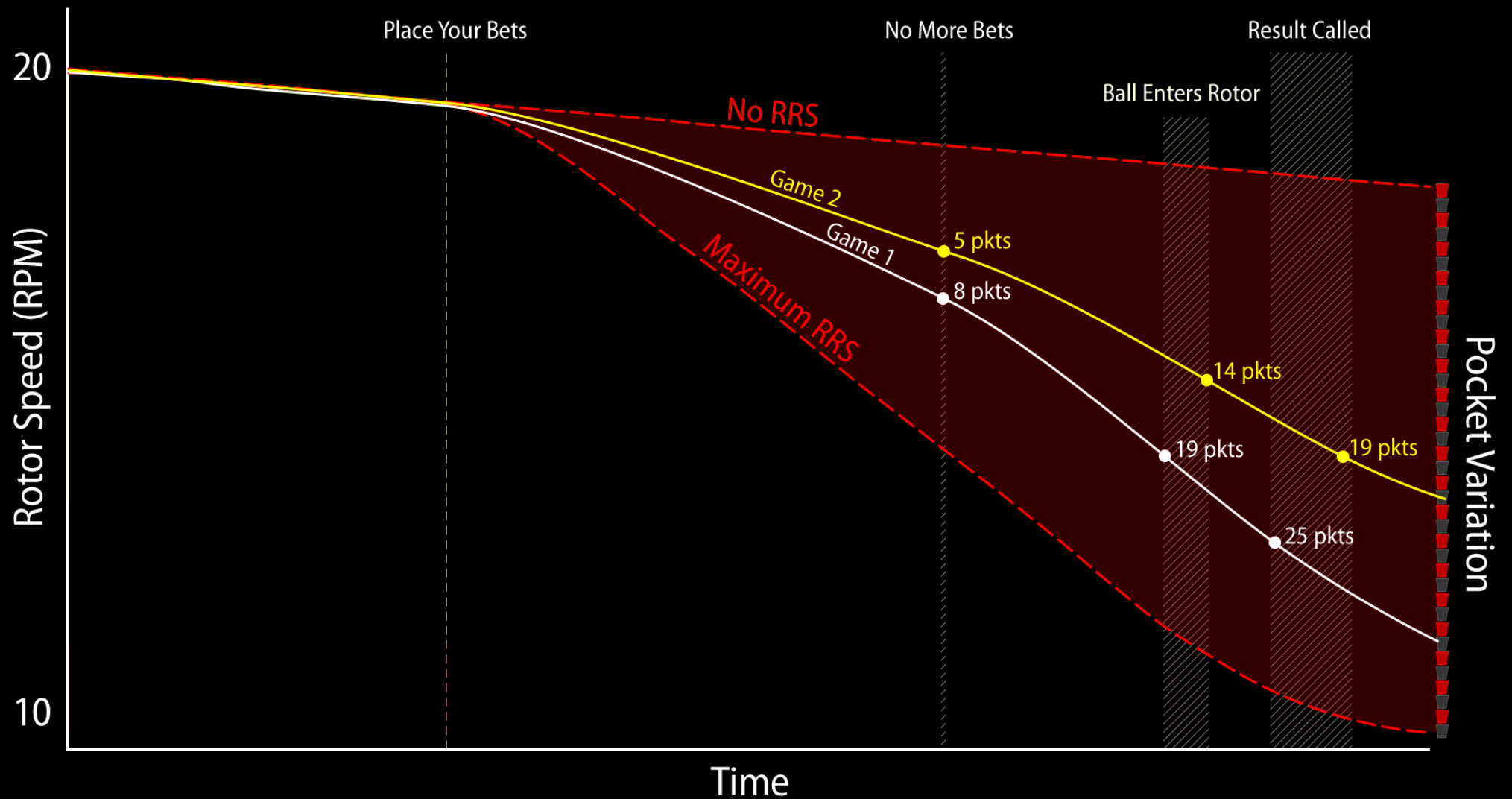

No RRS
Standard rotor angle at ball drop

RRS Active
Rotor angle has deviated by 194°

The graph above shows rotor deceleration during two test games on the same wheel, with RRS active. The rotor speeds are identical until 'Place Your Bets', at which point RRS begins to exert its contactless influence and imperceptibly slow down the rotors. The magnitude of the effect is randomised so no two games are the same. In the example above, when the results are called, the rotors have deviated by 19 and 25 pockets.

Mercury 360 Mini

The Mercury 360 Mini is a perfect ¾ scale recreation of the Mercury 360 *(pg. 4)*, including In-Rim sensors. The reduced size of the Mini's racetrack creates a tighter curvature that increases the rate of ball deceleration, causing it to drop faster and introducing a significant productivity advantage to the operator.

Ideally suited for ETG stadium installations, the Mercury 360 Mini will deliver up to 120 games per hour, as compared to a full-size wheel's 70. This step-up in productivity comes with no impact on player comfort or betting time.

Mercury 360 Monaco

The breathtakingly beautiful Mercury 360 Monaco is a modern interpretation of the 100 year old French wheels formerly used at Le Casino, Monte Carlo. Ebony wood veneer, brass-plated brightwork and tulip wood design on the number arcs gives the Monaco an authentic look, while the sophisticated In-Rim sensors of the Mercury 360 range allow integration with Cammegh's Billboard 20/20 System *(pg. 23)*.

Continental

The Cammegh Continental combines the traditional design of a French roulette wheel with state of the art manufacturing techniques. A hard-wearing Garnite ball-track is optional and all finishes can be customised to suit individual requirements.

Wheel below features Mahogany veneer and brightwork combining stainless steel and polished aluminium

Crystal

The Cammegh Crystal is a truly unique interpretation of the manual roulette wheel. Simple, yet strikingly beautiful, the Crystal wheel makes use of its elegant, open design to inspire wonder in players and ensure the highest level of confidence.

With its bowl and rotor honed to perfection from single pieces of transparent acrylic, the finished wheel is both pristine and hard-wearing.

Bespoke Wheels

Ever since Cammegh's founding, customisation has remained at the very heart of the company philosophy. Today, with casinos providing ever-more exciting and individual environments for players to enjoy, the benefits of a personalised roulette wheel have never been greater.

Individuality

While a wealth of customisations are offered as standard, nothing demonstrates Cammegh's passion for individuality more clearly than the huge portfolio of themed wheels that have been crafted over the years. Themed wheels remain a particularly sought-after Cammegh speciality, often featuring beautiful, hand-painted cones and sculpted turrets.

From the Dragon & Phoenix wheel, with its hand-painted Chinese theme and matching Billboard graphics, to the Ancient Egypt wheel, featuring a stunning gold-plated obelisk at its centre, Cammegh have always relished the challenge of providing a truly bespoke solution.

Wood Veneers #1

| Macassar Ebony | Santos Rosewood | Walnut Burl | Oak | Burr Elm |
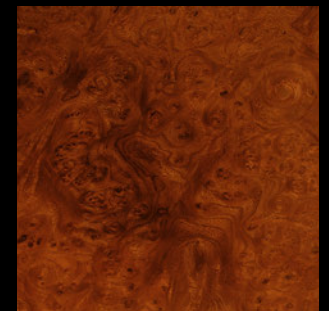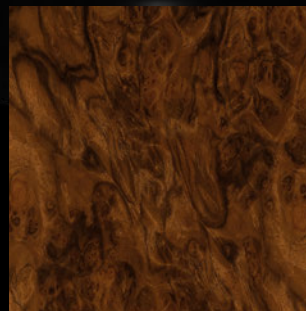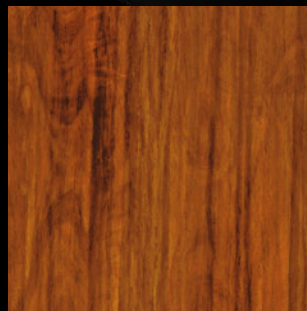
Wood Veneers #2

Maple	Sapele	Indian Rosewood	Cherry	Mahogany

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Slingshot 2/Slingshot 2TT

Perfect for integration with 3rd party betting terminals or online installation, the Slingshot 2 automatic roulette wheel uses air jets to launch and retrieve the ball, keeping it in view at all times to uphold player confidence. This elegant, GLI-approved innovation allows for random ball speeds in both directions and Cammegh's unique RRS system adds a further layer of security by randomising the speed of the rotor.

A full range of finishes and natural wood veneers can be applied to the top rim, while the hard-wearing cone and ball track can be finished with printed wood textures or other designs. Various mounting options are available.

Wheel Manager

Cammegh's Wheel Manager software for Windows provides a simple tool to unlock the full power of the Mercury 360 roulette wheel *(pg. 4)*.

With Wheel Manager running on a service laptop or management PC, access is granted to the comprehensive game logs stored within the wheel's secure memory. Aspects of each game - such as rotor integrity, wheel level, erroneous ball and rotor speeds, game interruptions and unexpected ball drops - can all be exported for printing, or viewed directly within the software, which employs a simple traffic light display to denote status.

Using a serial cable, service personnel can quickly connect to a wheel and diagnose faults or perform calibration procedures by following the on-screen instructions. Networked wheels can be connected to remotely for real-time status reporting.

Cammegh Mercury 360

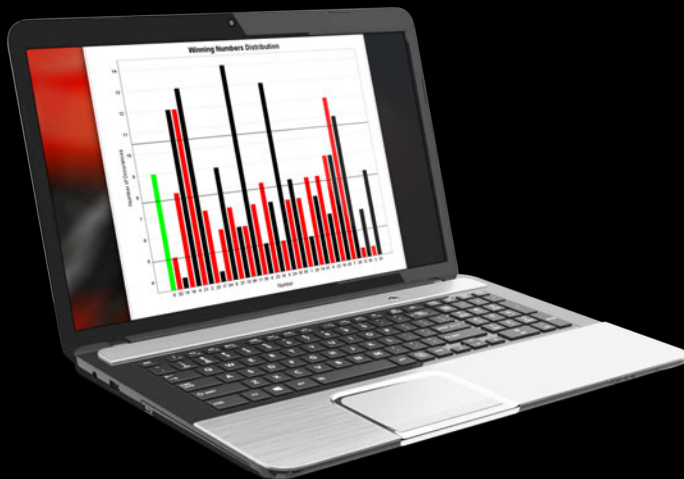*Live Viewer shows the wheel's current status, including game state, rotor and ball speed*
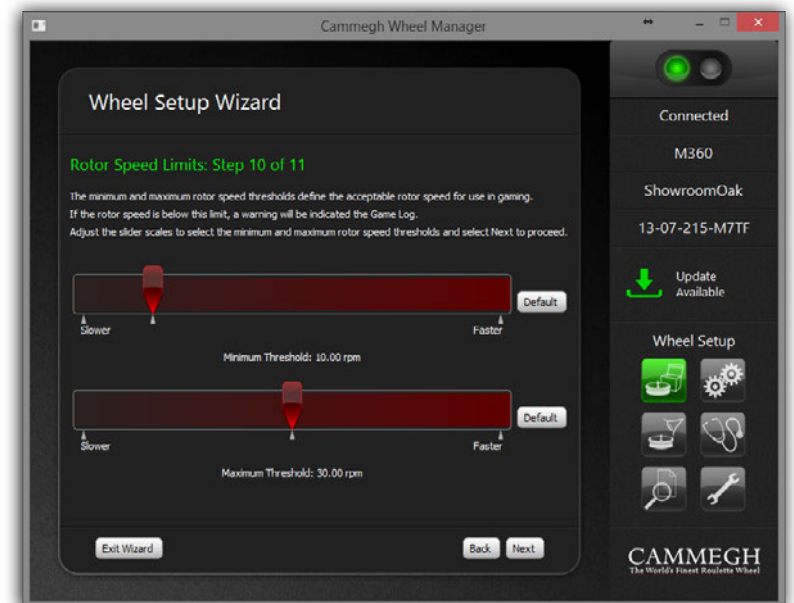
Various wheel settings can be configured, such as the speed thresholds for game states

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PitBoss HQ

PitBoss HQ provides a convenient browser-based interface for wheel and table productivity analysis over a local or wide area network. Working in conjunction with the Cammegh Billboard Display System *(pg. 23)*, PitBoss securely feeds comprehensive game and table activity data into a database for analysis and reporting via the PitBoss HQ web app.

Wheel speed and rotor direction are logged alongside drop, float, dealer ID and winning number, with options to export data so it can be used in 3rd party systems. Wheels can be tracked by serial number, to accommodate their relocation around the gaming floor, while the distribution of their rotor speeds and winning numbers can be displayed graphically within the PitBoss HQ web app. Thanks to its web-based architecture, when used over a wide area network, PitBoss allows the integration of multiple casinos.

CASINO "A"

Pitboss Ti Touchscreen / TD Keypad

CASINO "GROUP HQ"

PITBOSS HQ SOFTWARE

Billboard Display System

PITBOSS SOFTWARE

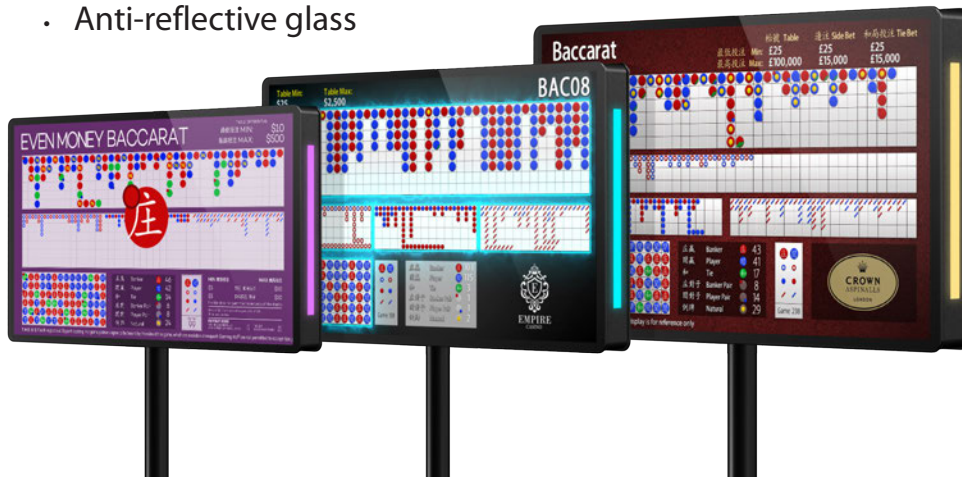PITBOSS SOFTWARE

CASINO "B"

CASINO "C"

Billboard 20/20

Cammegh's Billboard 20/20 System integrates seamlessly with other Cammegh and 3rd party products to show game results and statistics, capture productivity data and display promotional material throughout the casino.

The Billboard Display brings table games to life with pin-sharp clarity, while networking features allow for multiple table results on one display, the playing of live video streams, and the logging and exporting of live game data.
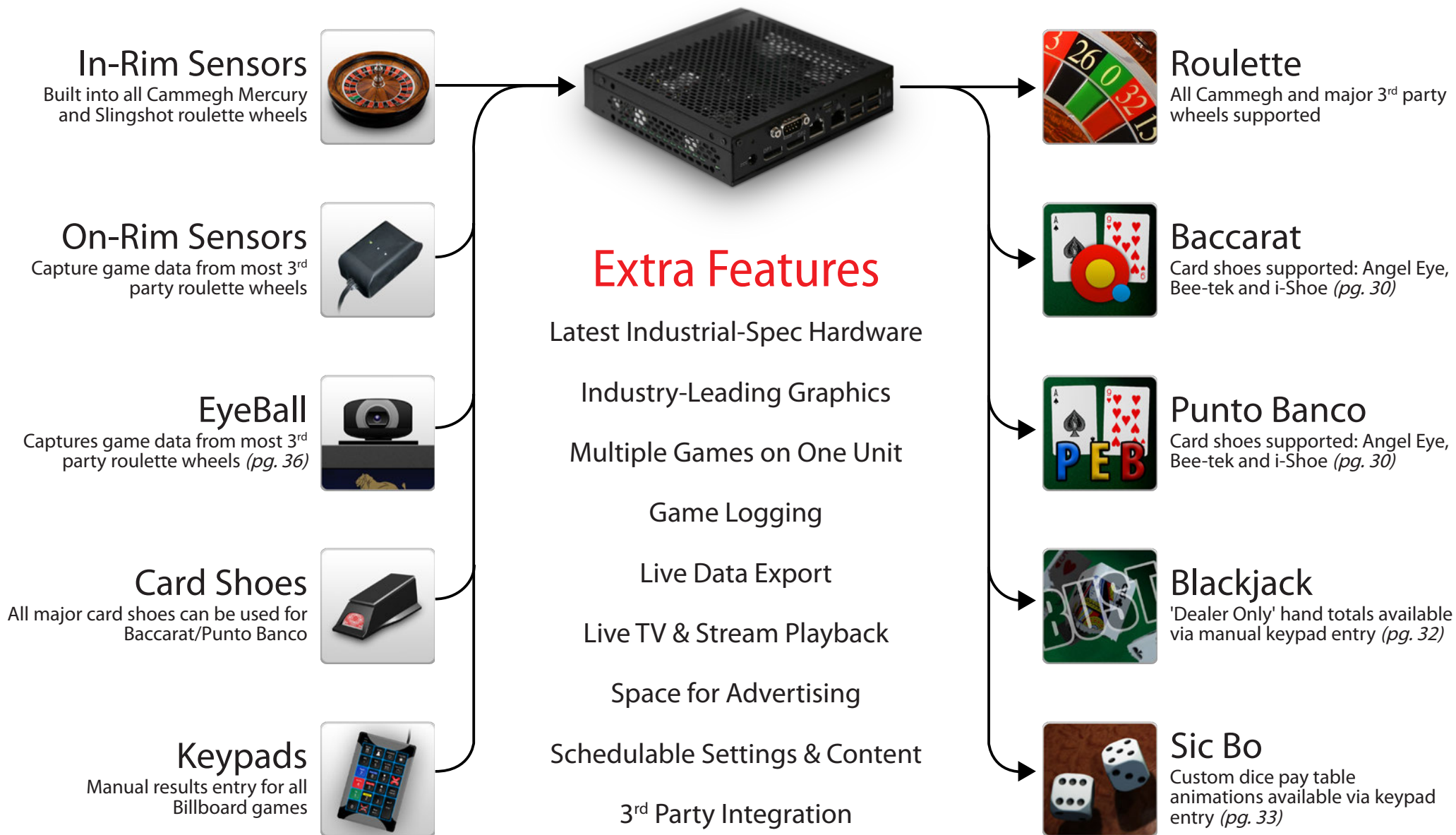
The highly flexible front-end software allows a single Billboard Controller to host multiple games, each with fully customisable screen layouts rather than generic presets. This flexibility, along with the system's ever-growing list of features makes the Billboard 20/20 System a highly versatile tool to enhance and optimise the gaming floor.

Billboard 20/20 Displays

- Single-sided, dual-sided (cloned) or dual-sided (independent)
- Coloured LED strips with intelligent software integration
- Full range of finishes, including black and gold
- 23.8", 27" or 32", portrait or landscape
- Custom poles and mounting
- Anti-reflective glass

Billboard 20/20 Controllers

In-Rim Sensors
Built into all Cammegh Mercury and Slingshot roulette wheels

On-Rim Sensors
Capture game data from most 3rd party roulette wheels

EyeBall
Captures game data from most 3rd party roulette wheels *(pg. 36)*

Card Shoes
All major card shoes can be used for Baccarat/Punto Banco

Keypads
Manual results entry for all Billboard games

Extra Features

Latest Industrial-Spec Hardware

Industry-Leading Graphics

Multiple Games on One Unit

Game Logging

Live Data Export

Live TV & Stream Playback

Space for Advertising

Schedulable Settings & Content

3rd Party Integration

Roulette
All Cammegh and major 3rd party wheels supported

Baccarat
Card shoes supported: Angel Eye, Bee-tek and i-Shoe *(pg. 30)*

Punto Banco
Card shoes supported: Angel Eye, Bee-tek and i-Shoe *(pg. 30)*

Blackjack
'Dealer Only' hand totals available via manual keypad entry *(pg. 32)*

Sic Bo
Custom dice pay table animations available via keypad entry *(pg. 33)*

Billboard *for* Roulette

The Billboard 20/20 System complements any roulette table by displaying results, statistics and promotional material in pin-sharp high definition. Game data can be obtained automatically from any Cammegh roulette wheel or read from a 3rd party wheel via EyeBall *(pg. 36)*. For manual entry, the Billboard's supplied keypad or an enhanced TD3 Keypad *(pg. 58)* can be used to add and remove game results, as well as provide access to many other features.

Cammegh have always raised the bar with respect to the features and quality a roulette display should offer. Each Billboard offers a blank canvas and a wealth of configurable elements with which to fill it. Billboards 20/20 Controllers can hold up to 100 separate screen layouts, so there is plenty of room for experimentation.

◄ *Custom Billboard design with integrated surveillance camera*

Roulette works with:

Cammegh wheels
Via In-Rim sensors or EyeBall
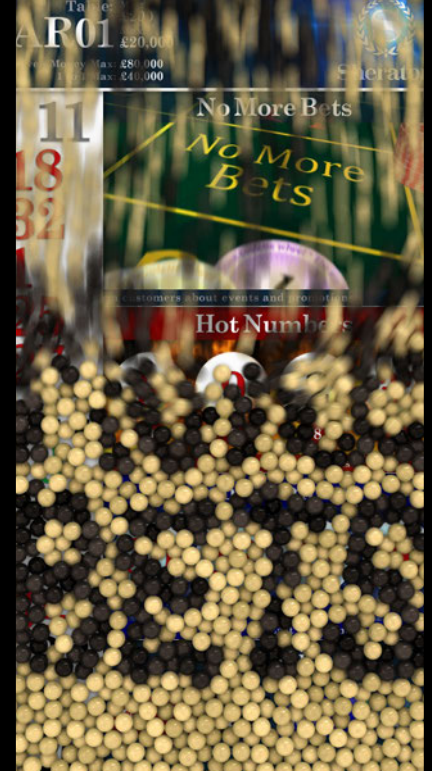
Manual Input
Via Standard or TD3 Keypad
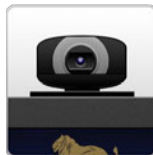
3rd Party Wheels
Via EyeBall
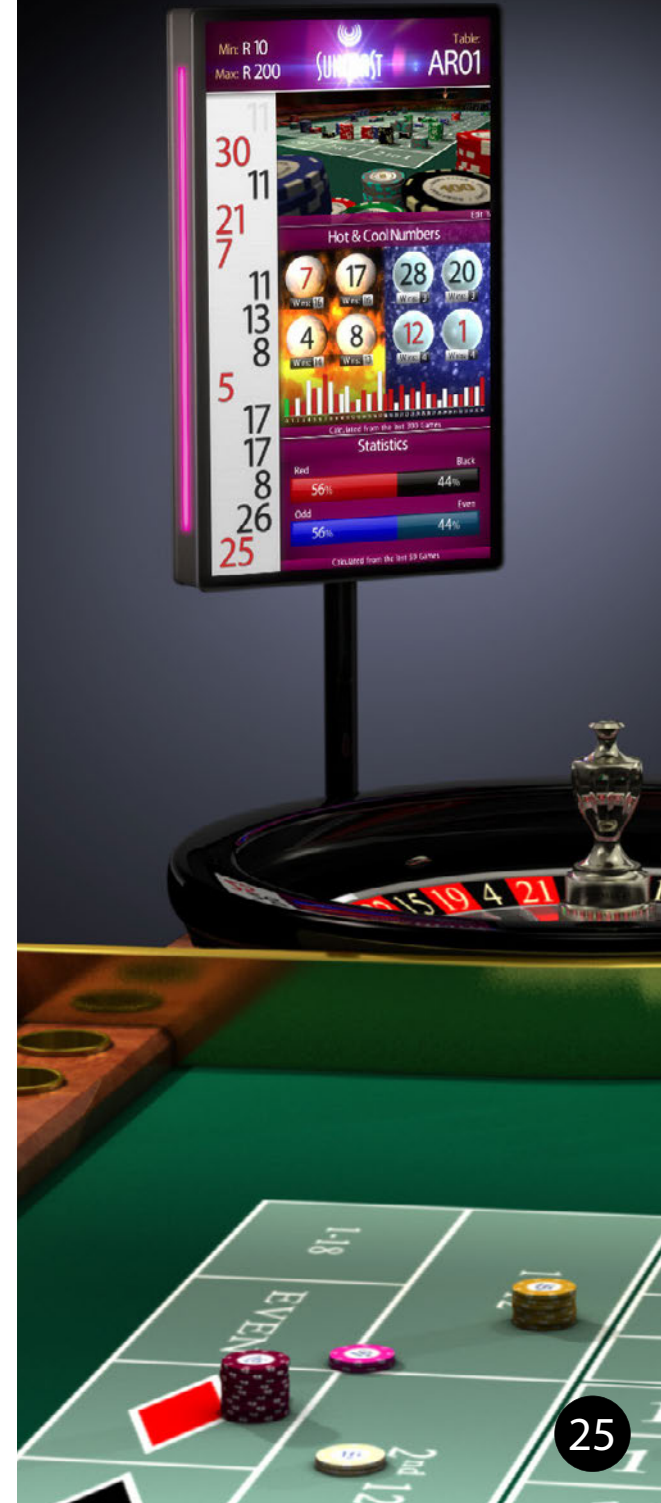
Personalised Animations

High quality 'No More Bets' and 'Winning Number' animations can be included, each customised to match the table's chips, cloth and roulette wheel. Headers and Table Closed animations can also be customised, while additional animations can be made to order.

Paytables

The Billboard's dynamic paytable system uses colour to highlight table denominations, helping players to find the table that's right for them.

Each Billboard can store up to 100 separate paytables per layout, each of which can display anything from simple min and max values to a full table of odds, house edges and game rules. Paytables can be locked in as presets or edited at the table using the on-screen user menu.

As with all Billboard software elements, paytables can be customised extensively; each one can optionally be configured to change the colour of the on-screen graphics and (where applicable) the LED side strips, with millions of colours available.

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◄ Casino Logo

The casino's logo can be incorporated into the display to enhance brand identity.

Live Video ►

Billboards can receive live video streams (or analogue inputs) and display them on the screen. UDP multicasts can be added to the on-screen menu, for easy channel switching.

◄ Chip Tree

Chip values can be entered using quick-access keys on the keypad provided, with customisable graphics.

Pay Tables ►

Betting limits can be preloaded into the display, allowing the dealer to quickly change paytable when necessary.

◄ Rotor Speed

Displays a subtle on-screen warning when the Mercury 360 rotor speed is outside of the pre-set range.

▼ Productivity Timer

A visual cue to help dealers meet the required games per hour.

Wagon Wheel ▼

A radial distribution graph drawn from the previous results.

▼ Chaser

Displays the winning number's "Chaser"
(The number that followed its previous appearance)

Drought ▼

Displays the number with the longest absence since its last appearance.

Billboard *for* Baccarat

Baccarat has never looked more stunning than it does on the pin-sharp HD graphics of the Billboard Display System. With Angel Eye and Bee-tek card shoe compatibility, as well as manual entry using the enhanced TD3 Keypad *(pg. 58)*, a Cammegh Billboard provides a beautiful, highly functional display for any Baccarat or Punto Banco table.

Baccarat works with:

Card Shoes
Angel Eye, Bee-tek and i-Shoe

Manual Input
Via Standard or TD3 Keypad
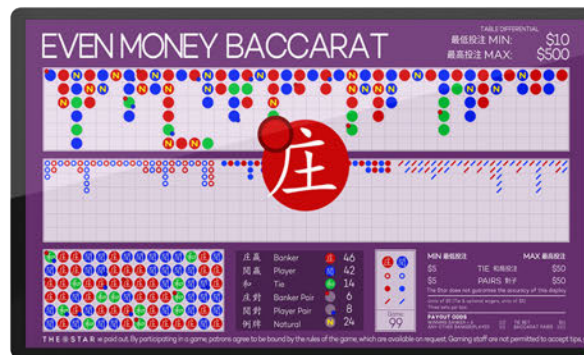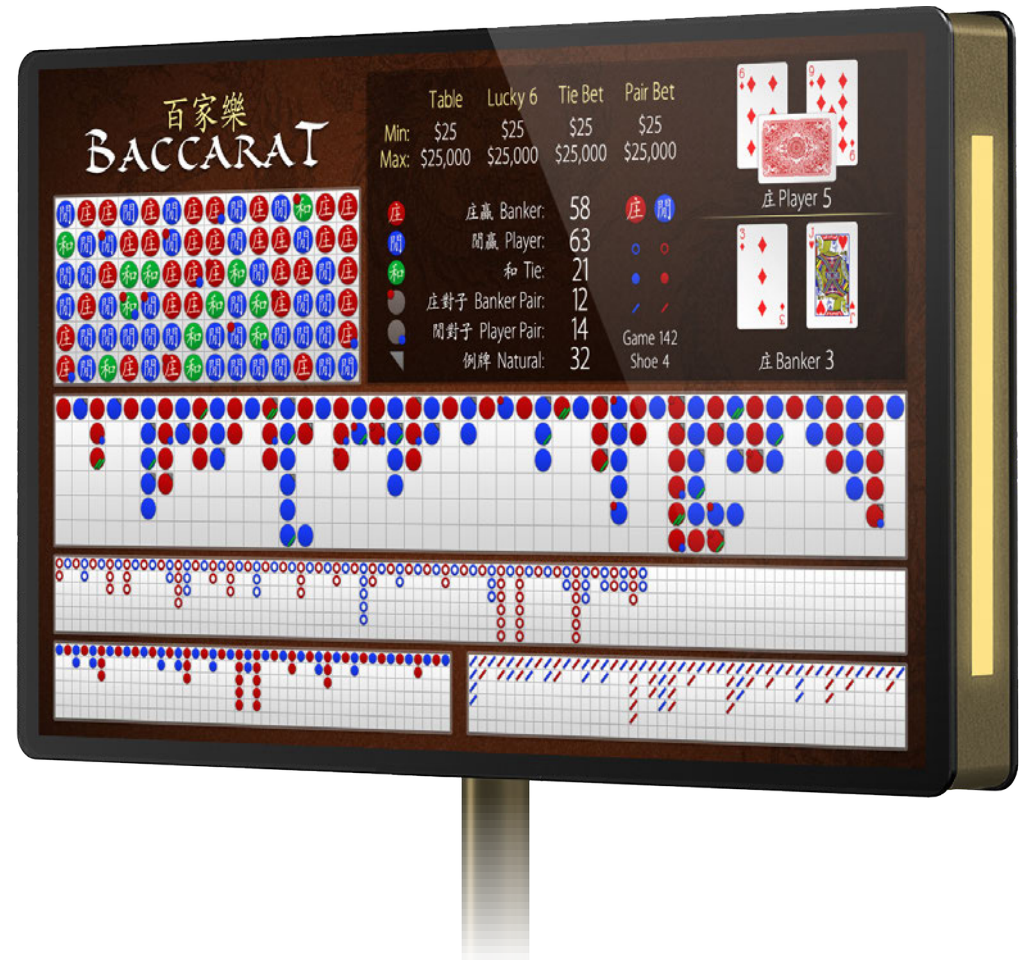
▲ Trends   Player and Banker trends can be highlighted as they occur, adding excitement at the table and drawing in new players. In the example above, the standard display graphics (left) change to show fiery effects (centre and right) when runs of Player results occur.

◄ Card Display

The cards in play can be shown on-screen using Billboard's card display feature, available for Billboards using an electronic card shoe.

Cards are arranged either traditionally (as shown left) or in fans, and can appear either as they are drawn or when the reveal button is pressed.

Blackjack

Blackjack results and statistics can be entered manually through the Billboard's numeric keypad.

Result animations, statistics and a history stack can be incorporated for the dealer's hand.

Graphics and animations can be customised as required.

Blackjack works with:

Manual Input
Via standard number keypad

Sic Bo

Sic Bo comes to life on a Cammegh Billboard through rich animations and comprehensive statistics.

Dice values are entered using the number keypad, which animates the on-screen pay table to stylishly highlight winning bets.

Statistics for 'Big', 'Small' and 'Triple' results can be added, along with a comprehensive results stack and customised dice animations.

Sic Bo works with:

Manual Entry
Via standard number keypad

When the dice results are entered, the winning side bets animate on the pay table, as shown above

Roulette Billboard with integrated Multiboard Mini

Billboard *for* Multiboard

Multiboard is a feature of the Billboard Display System *(pg. 23)* that shows the results from multiple tables on one display and updates in real time. This keeps players up to date with their table's results while they are playing elsewhere or taking a break.

Multiboard can be featured on its own (for example, mounted above the casino bar) or it can be integrated into the on-screen graphics of another Billboard (Multiboard Mini).


Dedicated wall-mounted Multiboard

Baccarat Integration

Multiboard can also be used to display Baccarat results *(pg. 30)* from multiple tables. The traditional Chinese Main Road from each connected table is shown, along with table name, statistics and the current open/closed status. Trends can be highlighted with colours and effects in order to entice players in from other parts of the casino.
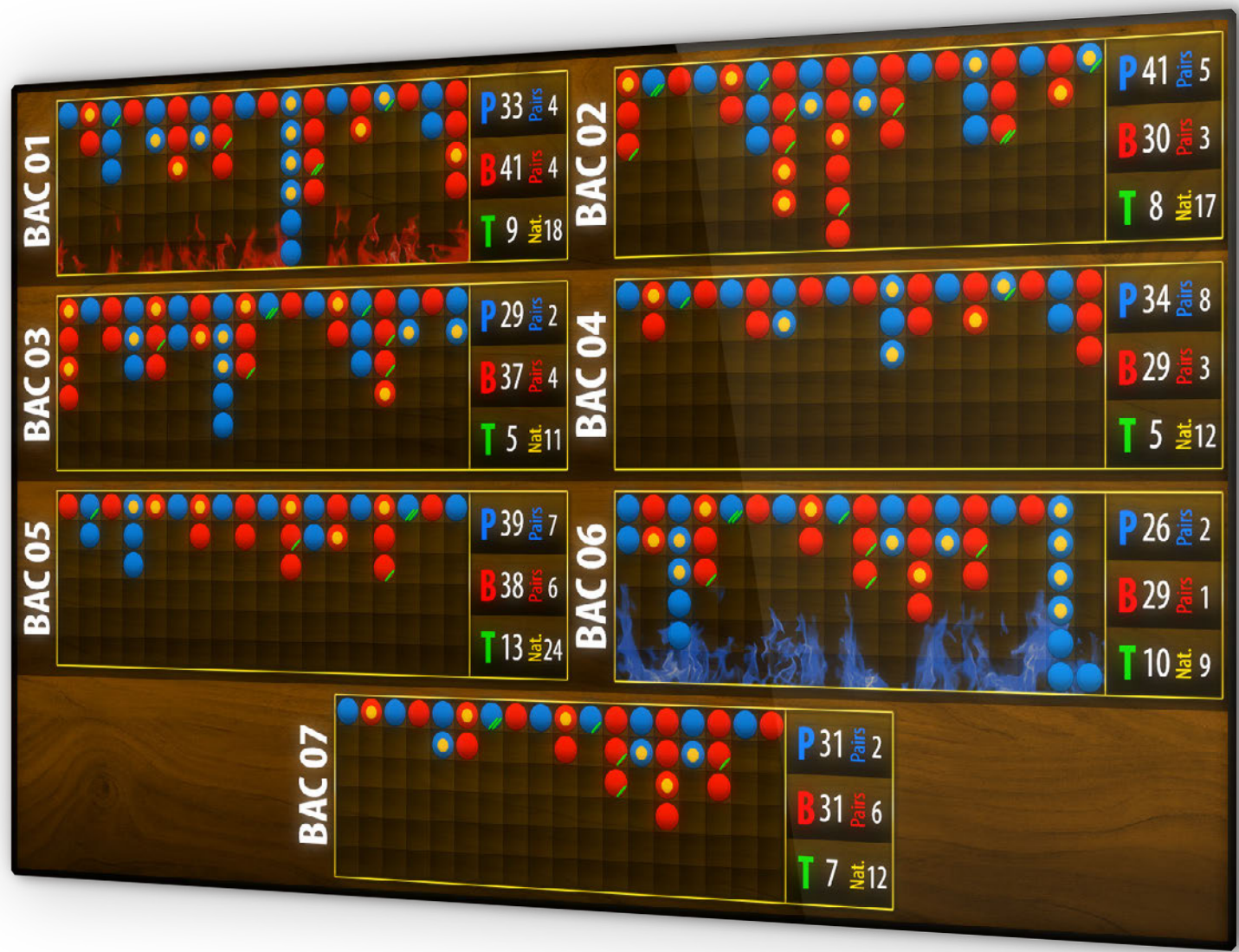
EyeBall

EyeBall is a camera-based system that allows 3rd party roulette wheels to integrate seamlessly with Cammegh's Billboard Display System *(pg. 23)*.

With a direct line-of-sight to its target wheel, the EyeBall camera accurately monitors game events and results, enabling the Billboard with which it is paired to act as a fully-functional table display with any and all roulette features that are required, including Chip Tree, Multiboard, Lucky Symbols and Spread-Bet Roulette.

Live game data can be streamed from the Billboard in Cammegh open protocol, making EyeBall perfect for integration with 3rd party roulette wheels.

For standard installations the EyeBall camera mounts discreetly on top of a Billboard display, where it has an unobstructed view of the wheel.

Other mounting options are also available.

MediaPro

MediaPro is a group management and content scheduling system for use with the Billboard 20/20 System. Using an iOS device, the settings on one or more Billboards can be changed live over a wireless network, or scheduled to change (along with optional on-screen content) at certain times of day.
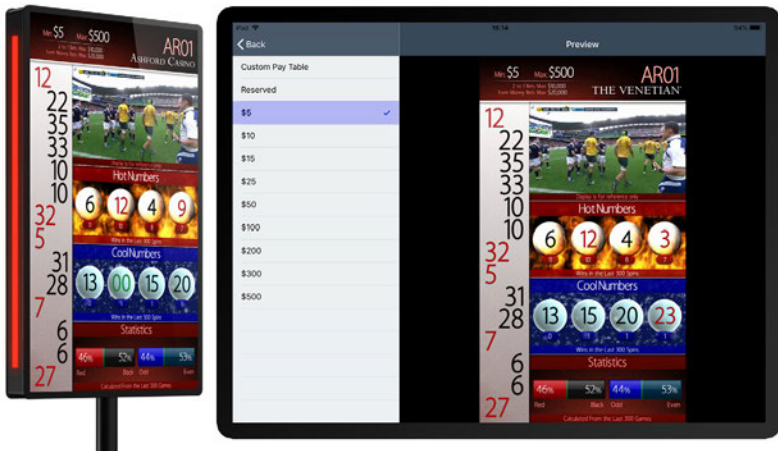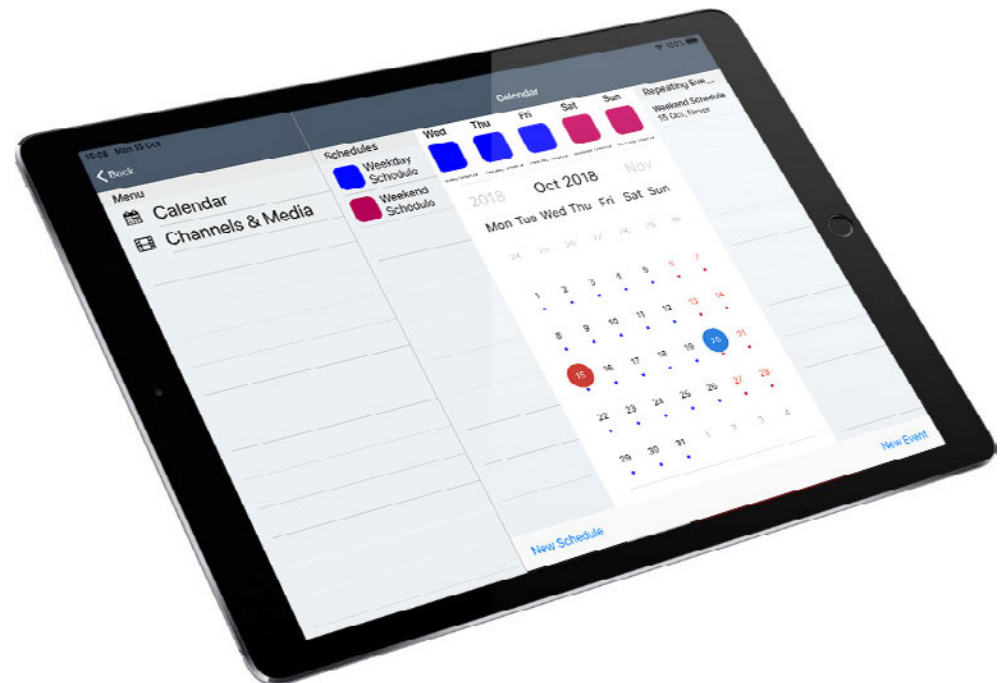

Billboard settings can be changed live:

- Table limits

- Productivity targets

- Game layout & table open/closed

- Media content (images, video and streams)

- Scrolling text

Media content can be assembled into playlists and scheduled to display on one or more Billboards

Spread-Bet Roulette

Spread-Bet Roulette transparently generates a bonus number from 0 - 72, enabling high payouts at an increased house edge.

Two concentric roulette number rings appear on the display, spinning in opposing directions. At 'No More Bets', both rings stop, randomly aligning the numbers. The winning roulette number then determines which two numbers are added together to make the final Spread-Bet value. Players bet on the spread into which this value falls.

How to Play

Spread-Bets are placed at the beginning of each game alongside (or instead of) traditional roulette bets. The Billboard Display shows the winning value and spread. Bets are paid out and collected at the end of the game.

Requirements

A Cammegh Billboard *(pg. 23)* with the appropriate Spread-Bet Roulette software is required, along with a cloth featuring the 7 Spread-Bet spots.

Variants

Spread-Bet Roulette is available with varying odds and house edges. For a complete list of the available options, see page 40.

"Spread-Bet Roulette has proven to be very popular and successful with a large proportion of our customers."

~ Michael Branson
C.O.O. Gaming, Crown Aspinalls, London

Single Zero Option 1

	0-0	1-11	12-18	19-39	40-50	51-70	71-72
Odds (to 1):	1200	15	10	1	3	4	400
True Odds (to 1):	1369	17.8	12.2	2.2	4.4	5.5	456.3
House Edge (%):	12.3	10	10	9.7	10	8.7	12.1

Single Zero Option 2

	0-4	5-18	19-30	31-39	40-50	51-69	70-72
Odds (to 1):	80	6	3	3	3	4	200
True Odds (to 1):	91.3	7.8	4.5	4.4	4.4	5.5	228.2
House Edge (%):	11.3	10.5	10.6	8.8	10	9.8	11.9

Single Zero Option 3

	0-1	2-11	12-18	19-33	34-54	55-67	68-72
Odds (to 1):	400	15	10	2	1	7	80
True Odds (to 1):	456.3	18.3	12.2	3.4	2.3	8.8	91.3
House Edge (%):	12.1	12.3	10	11.3	11.9	8.8	11.3

Single Zero Option 4

	0-2	3-7	8-8	9-25	26-44	45-70	71-72
Odds (to 1):	200	40	135	3	1	2	400
True Odds (to 1):	228.2	45.6	152.1	4.5	2.2	3.4	456.3
House Edge (%):	11.9	10.2	10.6	10.6	10.6	11.7	12.1

Single Zero Option 5

	0-1	2-4	5-28	29-47	48-67	68-70	71-72
Odds (to 1):	400	100	2	1	3	100	400
True Odds (to 1):	456.3	114.1	3.3	2.2	4.4	114.1	456.3
House Edge (%):	12.1	11.5	8	11	9.4	11.5	12.1

All values rounded to the nearest 1 decimal place

Double Zero Option 1

	0/00	1-11	12-18	19-39	40-57	58-71	72-72
Odds (to 1):	320	12	9	1	2	10	1275
True Odds (to 1):	361	14.6	11.5	2.2	3.3	12.1	1444
House Edge (%):	11.1	10.9	12.7	9.4	8.4	9.4	11.6

Double Zero Option 2

	0/00-1	2-9	10-25	26-45	46-57	58-70	71-72
Odds (to 1):	150	18	3	1	4	10	400
True Odds (to 1):	180.5	21.2	4.4	2.2	5.6	12.3	481.3
House Edge (%):	16.3	10.5	9.1	8.3	10.7	10.9	16.7

Double Zero Option 3

	0/00-1	2-9	10-25	26-45	46-57	58-71	72-72
Odds (to 1):	150	18	3	1	4	10	1250
True Odds (to 1):	180.5	21.2	4.4	2.2	5.6	12.1	1444
House Edge (%):	16.3	10.5	9.1	8.3	10.7	9.4	13.4

Double Zero Option 4

	0/00-1	2-9	10-25	26-45	46-57	58-70	71-72
Odds (to 1):	160	18	3	1	4	10	430
True Odds (to 1):	180.5	21.2	4.4	2.2	5.6	12.3	481.3
House Edge (%):	10.8	10.5	9.1	8.3	10.7	10.9	10.5

Double Zero Option 5

	0/00-2	3-20	21-40	41-58	59-65	66-70	71-72
Odds (to 1):	100	4	1	2	16	50	430
True Odds (to 1):	111.1	5.5	2.2	3.4	18.8	57.8	481.3
House Edge (%):	9.1	9.6	11.1	12.1	9.4	11.7	10.5

Double Zero Option 6

	0/00	1-2	3-27	28-47	48-68	69-70	71-72
Odds (to 1):	320	140	2	1	3	180	420
True Odds (to 1):	361	160.4	3.2	2.2	4.6	206.3	481.3
House Edge (%):	11.1	12.1	6.5	9.1	12.7	12.3	12.5

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Lucky Symbols

Lucky Symbols is a simple, yet captivating, side bet for roulette that boasts an extraordinary scope for customisation. Bet spots are added to the roulette layout (each containing a bespoke Lucky Symbol) and a slot reel animation on the Billboard Display selects one symbol per game. Players that have placed bets on the winning symbol are paid at the corresponding odds.

The side bet is powered by Cammegh's GLI-approved Bonus Numbers feature for the Mercury 360 *(pg. 4)*, whose flexibility allows symbol odds and house edges to be fine-tuned to a wide range of values.

With its potential for large payouts at an increased house edge, Lucky Symbols makes a valuable addition to the gaming floor.

Please note: the symbols shown are not dedicated to each Option - symbol graphics can be fully customised.

Option 1

Odds:	80 to 1	18 to 1	3 to 1	1 to 1	3 to 1	18 to 1	80 to 1
House Edge:	11.51%	11.49%	11.5%	11.5%	11.5%	11.49%	11.51%
Probability:	1.09%	4.66%	22.13%	44.25%	22.13%	4.66%	1.09%

Option 2

Odds:	200 to 1	20 to 1	3 to 1	1 to 1	3 to 1	20 to 1	200 to 1
House Edge:	9.52%	9.51%	9.52%	9.52%	9.52%	9.51%	9.52%
Probability:	0.45%	4.31%	22.62%	45.24%	22.62%	4.31%	0.45%

Option 3

Odds:	100 to 1	30 to 1	3 to 1	1 to 1	3 to 1	30 to 1	100 to 1
House Edge:	7.84%	7.76%	7.78%	7.78%	7.78%	7.76%	7.84%
Probability:	0.91%	2.98%	23.06%	46.11%	23.06%	2.98%	0.91%

Option 4

Odds:	75 to 1	25 to 1	3 to 1	1 to 1	3 to 1	25 to 1	75 to 1
House Edge:	9.31%	9.35%	9.36%	9.36%	9.36%	9.35%	9.31%
Probability:	1.19%	3.49%	22.66%	45.32%	22.66%	3.49%	1.19%

Option 5

Odds:	125 to 1	50 to 1	3 to 1	1 to 1	3 to 1	50 to 1	125 to 1
House Edge:	5.22%	5.22%	5.22%	5.22%	5.22%	5.22%	5.22%
Probability:	0.75%	1.86%	23.7%	47.39%	23.7%	1.86%	0.75%

Option 6

Odds:	500 to 1	75 to 1	3 to 1	1 to 1	3 to 1	75 to 1	500 to 1
House Edge:	2.91%	2.94%	2.94%	2.94%	2.94%	2.94%	2.91%
Probability:	0.19%	1.28%	24.26%	48.53%	24.26%	1.28%	0.19%

Spread-Bet Baccarat

Spread-Bet Baccarat is a licensed side bet that invites players to bet on the sum of the winning hand. By respectfully building on the original game, Spread-Bet Baccarat adds variety for the player and an increased house edge for the casino, all without affecting the traditional experience of the game.

How to Play

Once the player has placed a traditional Baccarat bet, they may additionally bet on the six available Spreads: three on the Player side and three on the Banker side. Spread-Bets are placed at the same time as the player buys into the traditional game. Wins and losses are settled at the end of the game and, in the event of a Tie, all Spread-Bets lose.

Requirements

Spread-Bet Baccarat is dealt from an 8 deck shoe, with the cutting card at least one deck from the back. Betting spots are printed on the cloth.

Spread-Bet Ranges	Pays	Player Wins			Banker Wins		
		Prob.	Edge (6-Decks)	Edge (8-Decks)	Prob.	Edge (6-Decks)	Edge (8-Decks)
1-3	30 :1	2.64 %	18.27 %	18.19 %	2.83 %	12.07 %	11.99 %
5-6	8 :1	8.67 %	21.61 %	21.59 %	9.71 %	12.49 %	12.5 %
8-9	3 :1	23.26 %	6.44 %	6.46 %	22.22 %	10.61 %	10.63 %

Super 6 _and_ Lucky 6

Baccarat's Super 6 and Lucky 6 side bets can be integrated into the Billboard 20/20 System through on-screen game results and statistics. Game results for both side bets can be read automatically from an electronic card shoe or entered manually.

Lucky 6		
Banker wins with a total of 6		
2-card total: **12 to 1**	House edge: **16.68%**	
3-card total: **20 to 1**		

Super 6	
Banker wins with a total of 6	
12-to-1 option: **12 to 1**	House edge: **29.98%**
16-to-1 option: **16 to 1**	House edge: **8.43%**
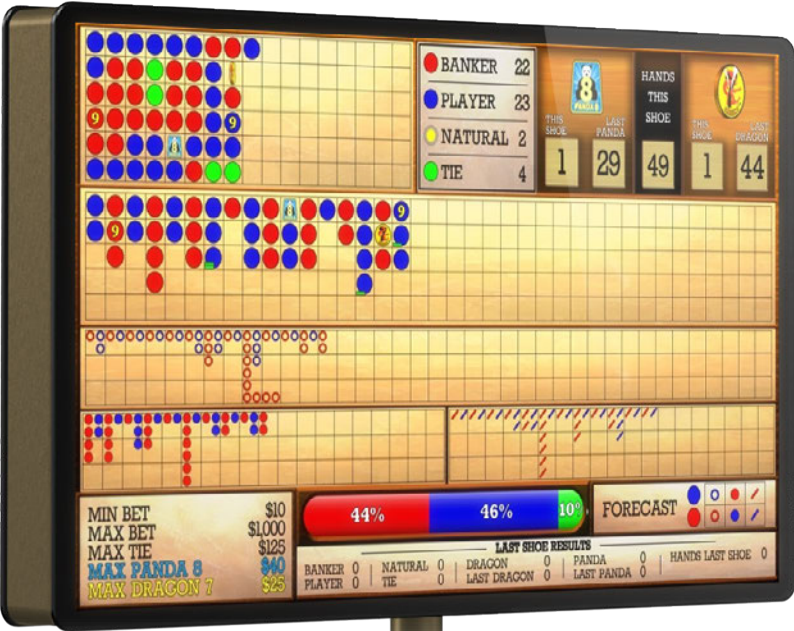
EZ Baccarat

EZ Baccarat can be displayed on the Cammegh Billboard 20/20 System, with all the graphics, animations and statistics of the original side bet reproduced precisely. Panda 8 and Dragon 7 results can be read automatically from an electronic card shoe or entered manually.

Panda 8	
Player wins with a 3-card total of 8	
12-to-1 option: **25 to 1**	House edge: **10.19%**

Dragon 7	
Banker wins with a 3-card total of 7	
12-to-1 option: **40 to 1**	House edge: **7.61%**

Tiger Baccarat

Cammegh's Billboard 20/20 System fully supports the Tiger Baccarat side bet, which allows players to win up to 100 to 1 on an expansive range of wagers.

Tiger results are displayed in the Main and Manual Roads, with the option to differentiate between Small and Big Tiger in both. All result types can be read automatically from an electronic card shoe or entered manually.

Bet		Payout	House edge
Tiger Banker wins with a total of 6		2-card total: **12 to 1** 3-card total: **20 to 1**	House edge: **16.68%**
Small Tiger Banker wins with a 2-card total of 6		Pays: **22 to 1**	House edge: **14.33%**
Big Tiger Banker wins with a 3-card total of 6		Pays: **50 to 1**	House edge: **15.25%**
Tiger Tie Player and Banker tie on a total of 6		Pays: **35 to 1**	House edge: **30.74%**
Tiger Pair Player and/or Banker have a pair		Single pair: **4 to 1** Double pair: **20 to 1** Same pair: **100 to 1**	House edge: **16.12%**

Spread-Bet Blackjack

Spread-Bet Blackjack is a licensed side bet that gives each player three new betting spots, allowing wagers to be placed on the sum of their first two cards. By adding the chance to win on a low value hand, Spread-Bet Blackjack adds an exciting twist to the game at an increased house edge.

How to Play

Spread-Bets are placed once the player has bought into the main game and before dealing commences. Winning and losing Spread-Bets are paid out/collected before the first player decides whether to receive another card. When calculating a player's Spread-Bet Blackjack total, Aces are equal to 1. An optional game rule states that a player's Spread-Bets are pushed if the player is dealt a "Royal Blackjack" (Ace + picture card), which reduces the house edge as shown below.

Requirements

The side bet can be incorporated into any Blackjack table that uses a continual card shuffler. No additional equipment is required other than a table layout that includes the pay table and betting spots for Spread-Bet Blackjack.

Spread-Bet Ranges	Pays	Prob.	House Edge (No Royal Blackjack Rule)		House Edge (Royal Blackjack Rule)	
			6-Decks	8-Decks	6-Decks	8-Decks
2-3	50 : 1	1.76 %	10.44 %	10.2 %	6.88 %	6.64 %
4-5	21 : 1	4.13 %	9.13 %	9.06 %	5.57 %	5.51 %
6-9	5 : 1	15.38 %	7.69 %	7.69 %	4.13 %	4.13 %

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Back-betting variant   *Single-player variant*

Spread-Bet Blackjack "One"

In order to simplify the Spread-Bet Blackjack side bet *(pg. 48)*, a single betting spot variant is available. The aim, requirements and rules of the game remain the same.

How to Play

Spread-Bets are placed once the player has bought into the main game and before dealing commences. Players' Spread-Bet totals are calculated by adding together the values of their first two cards (with Aces always equal to 1), and are paid out according to the tables below. Winning and losing Spread-Bets are paid out/collected before the first player decides whether to receive another card.

Requirements

The side bet can be incorporated into any Blackjack table that uses a continual card shuffler. No additional equipment is required other than a table layout that includes the pay table and betting spots for Spread-Bet Blackjack.

Option 1

Outcome	Pays	Prob.	House Edge
2-Card Total of 2 or 3	5:1	2%	6 Decks: 7.27%
2-Card Total of 4 or 5	4:1	4%	
2-Card Total of 6 - 9	3:1	15%	8 Decks: 7.23%
All Other Hands	-	79%	

Option 2

Outcome	Pays	Prob.	House Edge
2-Card Total of 2 or 3	12:1	2%	6 Decks: 6.23%
2-Card Total of 4 or 5	5:1	4%	
2-Card Total of 6 - 9	2:1	15%	8 Decks: 6.15%
All Other Hands	-	79%	

Option 3

Outcome	Pays	Prob.	House Edge
2-Card Total of 2 or 3	15:1	2%	6 Decks: 5.1%
2-Card Total of 4 or 5	4:1	4%	
2-Card Total of 6 - 9	2:1	15%	8 Decks: 5%
All Other Hands	-	79%	

Twins *and* Crazy Twins

Twins and Crazy Twins is a duo side bet for Blackjack that revolves around forming a pair from the player's first card and the dealer's first card. Twins will win if the player's first card and the dealer's first card form a pair, while Crazy Twins will win if, in addition to forming a Twins pair, the player wins the Blackjack game. Various GLI-approved pay tables are available, including:

Twins	Crazy Twins
Player 1st card & dealer 1st card = pair	"Twins" qualified & player wins BJ game

Option 1

Twins		Crazy Twins	
Any pair: 11 to 1	House edge: 3.34%	Any pair: 22 to 1	House edge: 4.35%
Suited pair with 5: 75 to 1		Suited pair with 5: 300 to 1	

Option 2

Twins		Crazy Twins	
Mixed pair: 5 to 1	House edge: 4.56%	Mixed pair: 10 to 1	House edge: 7.79%
Coloured pair: 10 to 1		Coloured pair: 20 to 1	
Suited pair: 25 to 1		Suited pair: 50 to 1	
Suited pair with 5: 100 to 1		Suited pair with 5: 300 to 1	

Features

- Directly related to the Blackjack game

- Works in combination with Perfect Pairs and other side bets

- Requires player strategy

- Highest Blackjack payout for a pair

- Pays out at the end of the game for minimum impact on turnover

Splits

Any player buying into the Twins or Crazy Twins side bets may split their hand as usual. If a hand is split while the player qualifies for Twins, any additional Crazy Twins wager is immediately paid out at half of the displayed odds, depending on the type of pair formed.
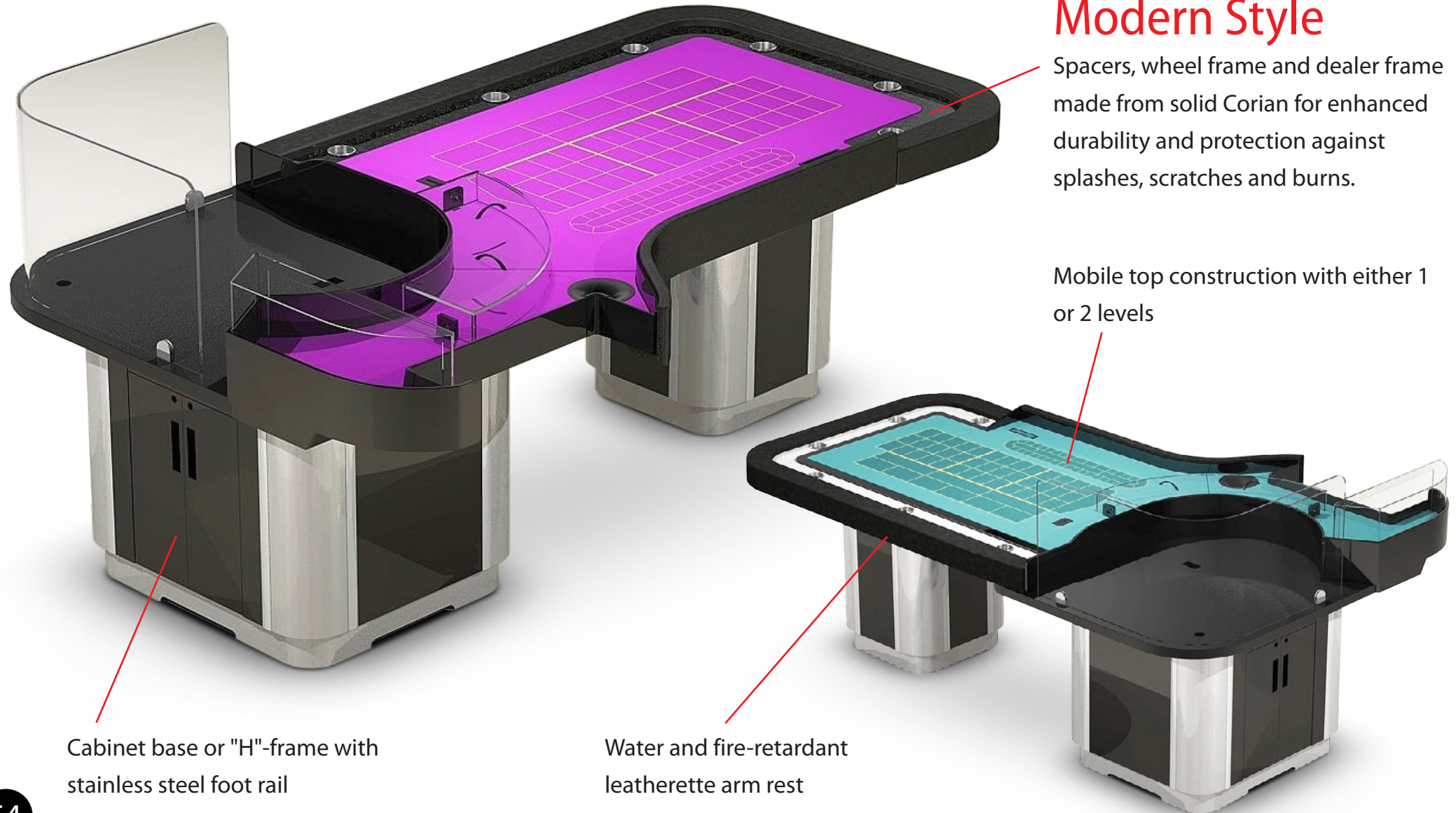
Stand Offs

Stand offs are treated the same way as splits: any qualifying player who has bought in to Crazy Twins is immediately paid out at half of the displayed odds.

Roulette Tables

Cammegh's roulette tables are as customisable and precisely engineered as its wheels. Provided by Marton Gaming, tables are available in "Standard", "Classic" and "Modern" designs, each with a wealth of options for seamless integration into any casino.

Modern Style

Spacers, wheel frame and dealer frame made from solid Corian for enhanced durability and protection against splashes, scratches and burns.

Mobile top construction with either 1 or 2 levels

Cabinet base or "H"-frame with stainless steel foot rail

Water and fire-retardant leatherette arm rest

Classic Style

Features solid wood spacers with polyester lacquer finish for durability. Available woods: Mahogany, Rosewood, Macassar Ebony, Cherry, Maple, Oak.

Solid Corian dealer frame and wheel frame

Mobile top construction with either 1 or 2 levels

Layout and leatherette armrests resistant to fire and splashes

Cabinet base or solid "H"-frame with brushed gold colour foot rail

Card Tables

Cammegh offer a wide variety of card tables by Marton Gaming, available in "Standard", "Classic" and "Modern" designs, with customisable options for colour and finishing. Optional integration with casino standard card shufflers is available.

Classic Style

Features solid wood spacers with polyester lacquer finish for durability. Available woods: Mahogany, Rosewood, Macassar Ebony, Cherry, Maple, Oak.

Layout and leatherette armrests resistant to fire and splashes

Mobile top construction with either 1 or 2 levels

Cabinet base or solid wooden "K"-frame with brushed gold colour foot rail

Modern Style

Features solid Corian spacers, which are highly durable and resistant to fire, water and scratching. Stainless steel metalwork and Piano Black finish are included as standard, with other options available.
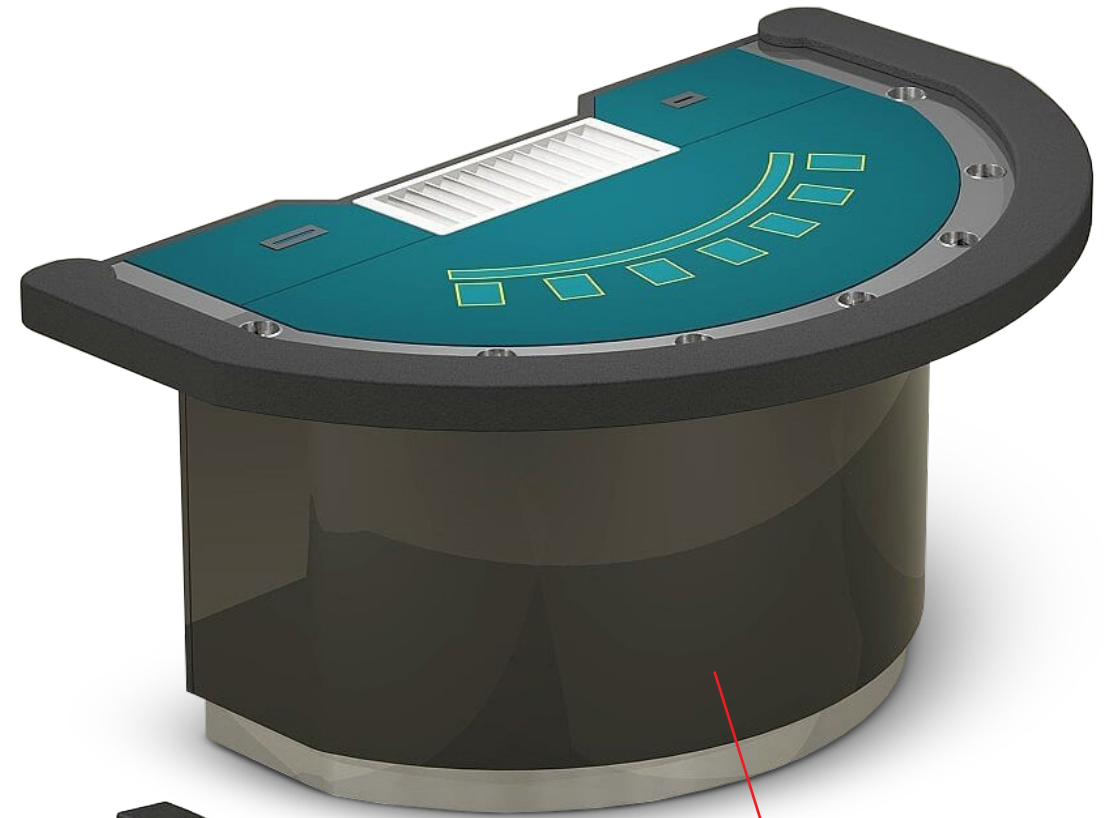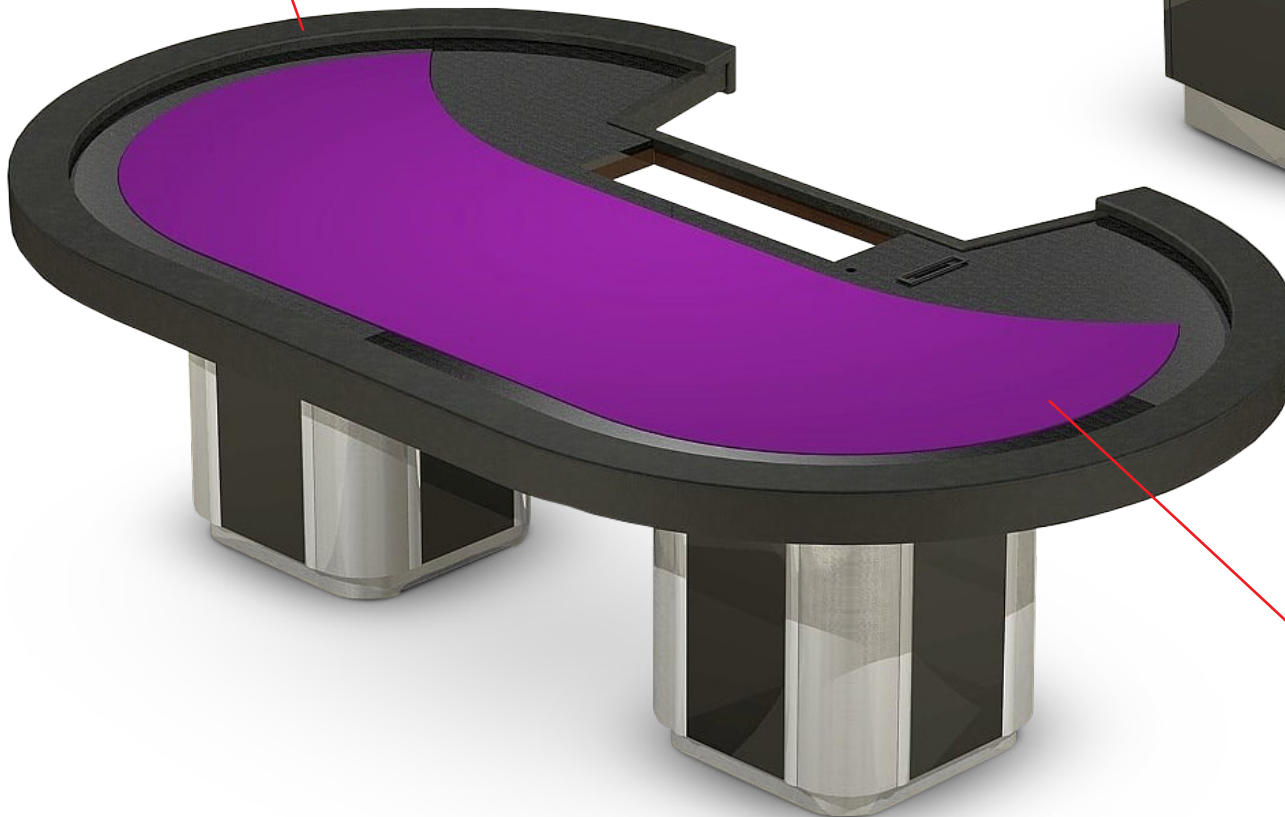
Layout and leatherette armrests resistant to fire and splashes

Cabinet base or solid wooden "K"-frame with stainless steel foot rail

Mobile or flip-top construction with either 1 or 2 levels

Accessories

◄ ## Wheel Cover

Lockable Perspex wheel covers for Cammegh manual roulette wheels, incorporating security tags and Cammegh's unique locking mechanism.

◄ ## Win Markers

Win markers ("dollies") are available in the shape of a miniature Cammegh turret with various finishes.

◄ ## Roulette Balls

High quality roulette balls in Ivorine and Teflon, with 18mm and 21mm sizes available.

◄ ## TD3 Keypad

The TD3 Keypad provides quick access to a number of Baccarat and Roulette functions, such as results entry, table limits and open/closed status. LED back lighting glows red or blue when a Baccarat result is entered.

Wheel Level

The Cammegh wheel level has an elegant two-piece design for exceptional reliability.

A magnetic contactless hinge limits movement to a lateral plane, giving far greater accuracy.

By contrast, devices that employ a mechanical hinge are compromised by engineering tolerances (that increase over time), leading to measuring errors.

Cammegh's wheel level is also compatible with all tested non-Cammegh manufactured roulette wheels.

Technical Services

Cammegh offer a committed support service to all customers, from point of sale, throughout the product's lifetime.

The Technical Services team prides itself on personable contact and rapid fault resolution through a variety of remote and on-site services. Customers across the globe can enjoy friendly, professional assistance from a team with many years of experience and expertise in table gaming operations. Services include:

- Online remote support

- Telephone support

- On-site installation

- Routine controlled maintenance

- Technical troubleshooting

- OEM spare parts

- Technical training

- 3rd party systems integrations

- Product performance and analytical evaluations

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