

ABBIATI
CASINO EQUIPMENT

The future of baccarat.
Available now.

Perfect Pay
EFFICIENCY • ACCURACY • INTEGRITY™
POWERED BY **RJM**™



ITALIAN QUALITY & DESIGN

from Walker Digital Table System

The Abbiati Company is privately owned by the Abbiati family and is based in Turin, Italy. Abbiati Casino Equipment has been in business in excess of 30 years and has had its professional articles for Casinos since 1976.

Abbiati has built up an international reputation and client base with almost every county and city that offers legalized gaming.

The company is on two sites within 50 metres from each other; one housing Office, Show Room and Production facilities and the other is used for assemblage and storage; with the option of expansion on both sites.

Abbiati Casino Equipment's main business is manufacturing and supplying Casino based equipment as used in live gaming: Roulette Wheels, Tables, Value Chips, Plaques and Jetons and all styles of gaming layouts (table felts) together with technical back up of full CAD design and technical services.

Our manufacturing facility is split into three main sections, all located under the same roof:

- Chips and Plaques are manufactured with the latest injection moulding machines, incorporating the latest RFID Technology using 13.56 MHz with PJM.
- Table and Roulette Wheel manufacture and assembly incorporate our CNC machining processes to ensure quality and precision, along with Layout (table felts) design and printing department for both wool and synthetic products.
- Electronic departments for the assemblage of Winning Number Displays, Laser Wheels and Independent electronic levelling systems for Roulette wheels.

All our manufacturing processes are supported by our Graphic and CAD Design department, to ensure Italian Quality and Design.

Quality, Service and Security are prime objectives for the Abbiati Company, which has secure rooms and high surveillance for the final assembly of the value chips incorporating RFID.

Our consistent growth and success stands as a witness of our continued commitment to deliver high quality, flawless products and services.

President
Giovanni Abbiati



Perfect Pay is the future of baccarat. Available now.

Twenty-five years ago, networked platforms revolutionized the slot floor, giving casinos new ways to measure and manage performance. Now, WDTs brings the same level of operational sophistication, game security and performance to baccarat.

Perfect Pay will:

- . Reduce floor staf
- . Eliminate pay and collection errors
- . Produce exact, automated ratings
- . increase game speed

The heart of a table game,
the mind of a slot machine



Asian baccarat players prefer the social and tactile experience of game play on a table with a live dealer, cards and betting chips.

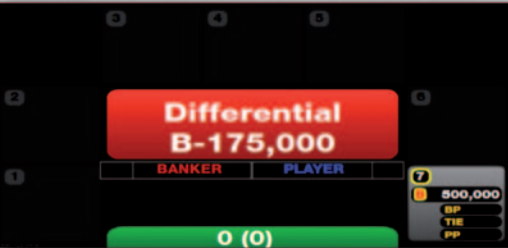
WDTs' Perfect Pay platform delivers play tracking and game security like a slot machine or eletronic table game but preserves the emotion and excitement of the live gaming experience.

Perfect Pay is traditional baccarat played on a standard table.

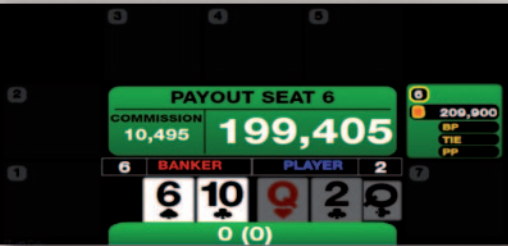
All of the technology is hidden from view except for a small touch screen in front of the dealer. Each table has multiple antennas beneath the felt to read data from RFID gaming chips.



Bets, payment and collections are continuously tracked and a dedicated work area instantly calculates and verifies table fills, credits, buy-ins and color-ups.



Configuration options for commission and no-commission play, minimum and maximum bet levels and table differential automatically manage allowable table action.



Dealer prompts ensure error-free game play with payment amounts, commission values, over and under payment alerts, and chip movement errors.

Table Directory							
Gaming Area	Table Name	PK	Active Positions	Differential	Table Limits	Status	Alert Summary
ELITE	PP001	PT-00	0	0		(unknown)	
ELITE	PP002	PT-00	1	0	Club Elite \$200-\$25K (v20)	OPEN	High(20) Low(15)
ELITE	PP003	PT-00	0	102,840	Club Elite \$200 - DIN/NC (v4)	OPEN	Table Differential Exceeded on BANKER by 102,840, High(12) Low(6)
ELITE	PP004	PT-00	0	0	Club Elite \$200 - DIN (v20)	CLOSED	High(27) Low(5)

On and off-table applications manage game play options and provide a view of live tables from the pit, casino offices and surveillance rooms.

Achieve ROI in months, not years.

Perfect Pay outperforms standard baccarat by both increasing revenue and decreasing operating expenses. Proven RFID technology reduces labor, eliminates dealer error and player fraud while increasing game speed and creating leaps forward in business intelligence and operating efficiency.

Reduce Floor Staff	Eliminate Cheating, Errors & Counterfeits	Increase Game Speed
Supervise more games with less staff	Eliminate pinching, capping and past-posting	Instant totals for table credits, fills and chip exchanges
Eliminate labor for manual player rating	Eliminate dealer mispays	Accurate game play, payouts and commissions

Find out the true revenue potential of your baccarat tables

WDTs can provide a custom ROI analysis with time to break-even and targeted opportunities for revenue gains and cost savings with Perfect Pay.

Email **contact@wdtablesystems.com** for more information or schedule a table demo in our Macau, US or Sydney offices.



Next from Walker Digital Table Systems.

Go Mobile with Perfect Pay Live



Perfect Pay Live uses WDTs' networked platform to let players bet remotely on live tables from any location and any device connected to the network.

Deliver a live gaming experience via smart phones or tablets, from gaming lounges or bar-tops, through slot machines and kiosks or on the Internet as a live, branded online casino experience.

Allow players to find the trends they want and bet big, even without physical access to the table.

Elite Bets

Elite Bets increase the game's house edge while offering players the excitement of roulette-style odds that can increase the volume of wagers on the table.

For the first time, players are able to change their bet or place new bets after they see the first four cards of the Banker and Player hands but before the final cards are drawn.





The only source for casino-proven RFID protocols.

Through PJM Gaming, a wholly-owned WDTs subsidiary, WDTs is the exclusive licensor of casino products and solutions including gaming chips, tag readers and gaming tables that leverage the proven RFID PJM protocol.

About PJM Gaming's RFID Solutions

PJM Gaming's range of products is the only RFID technology that uses Phase Jitter Modulation (PJM) as the transmission method between the reader and the tags. This achieves the highest data rate as compared to all other AM (Amplitude Modulation) based RFID technologies.

PJM or "Phase Jitter Modulation" technology is established as the only RFID protocol capable of meeting the high-volume, dynamic requirements of the challenging casino environment.

The PJM protocol offers 8 high-speed independent reply channels with a data rate of 106kbit/s on each channel. The powerful protocol and command structure allows PJM based RFID systems to be at least 10 times faster and more robust than all other RFID systems. PJM's patented technology has become the internationally recognized standard ISO/IEC 18000 Part 3 Mode 2.

Features

- | | |
|--------------------------------|--|
| 100% Accuracy | Guaranteed accuracy for all tag replies. |
| Close Stacking | PJM StackTag® inlets are specifically designed to be identified and read when stacked closely together. |
| Orientation Insensitive | PJM has developed a range of readers that power tags in three dimensions, enabling them to be read in any orientation. |
| High-speed Data Rates | The unique reply system implemented in PJM products enables tags to be read virtually immediately. PJM tags have a command data rate of 424 kbits per second and a maximum effective reply data rate of 848 kbits per second. |
| Anti-collision | PJM tags use a unique anti-collision method when talking to readers that is at least 10 times faster than all other anti-collision methods and suffers no loss of reader performance reading up to 32,000 tags simultaneously. |

Robust

PJM tags have the ability to frequency hop and reply on any one of 8 discrete channels.

Large Memory Capacity

PJM tags provide either 1Kbit or 8Kbit of user memory. Only PJM's very high data rates can reliably use large memory in a fast moving and dynamic environment.

The Perfect Pay technology platform.

The Perfect Pay technology platform is delivered as a single injection-molded insert that is installed into each Perfect Pay table. This all-in-one component is configured for your specified number of table positions and includes all required table components:



- Banker and Player antennas per player position and Tie, Pair and Dealer antennas.
- A Multiple Antenna Reader System (MARS) to read RFID chip data and provide access to chip data over an Ethernet network.
- The Core Table System (CTS) that manages Perfect Pay game play tasks such as chip message management and card data processing.
- The Gaming Display Unit Module, a capacitive touch screen LCD panel PC system located at the dealer position.
- Power supply, power management module and cabling.
- A diagnostic LCD used for technician administrative functions.
- An external layout board that covers the insert after installation and is felted per operator requirements.

Perfect Pay technology FAQs

1. What technologies does the Perfect Pay system use?

The Perfect Pay system uses a combination of RFID, Ethernet and serial technologies as a base infrastructure to process data. Software applications use a combination of open-sourced development components such as Java, JMS/XML, ActiveMQ, Adobe Flex and PostgresSQL.

2. How do the tables communicate with the back end systems?

Perfect Pay tables connect to the back-end appliance via shielded twisted pair cabling.

3. What types of chips are used on the tables? Will I be able to use my existing chips?

Perfect Pay tables use 13.56 MHZ Phase Jitter Modulation (PJM) RFID technology available from Abbiati Casino Equipment.

4. What is the process to replace a faulty sensor under the table's felt?

The "sensors" that read the chips are individual antennas located in the table top between a lower support board and a felted layout board. The felted layout board is removed and the individual antenna is replaced.

5. What are the network requirements for the tables?

The tables connect to back-end appliances via the casino's existing cabling infrastructure. Access to the Perfect Pay appliances is done via TCP/IP over Ethernet handoffs within the casino's data center.

6. What communication protocols are used within the table and between the table to back end casino systems?

The underlying protocols are serial and Ethernet. Higher-level applications connect over TCP/IP using HTTPS, JMS/XML and AMF. All communications between the table and back-end appliances within the casino data center occurs via SSL-encrypted TCP/IP sessions.

7. Is it possible to use existing baccarat tables?

Yes, some tables can be retrofitted with Perfect Pay components.

8. What hardware and operating systems are used for Perfect Pay systems?

Perfect Pay embedded systems, appliances, devices and related technology hardware use both industry-standard systems and custom devices. Operating systems for the Core Table System (CTS) Module and the back-end appliance run PP-OS, a combination of traditional hardware OS functions and application environments. Displays run in a Microsoft Windows embedded environment.

9. What are the power requirements for a Perfect Pay table?

Each table requires a single 15 AMP, 120 to 240 volt AC power receptacle. Standard receptacle configurations including BS 1363 UK standard, AS 3113 Australia standard, KSC 8305 Korean standard, CEE 7/16 and Schuko European standard, NEMA and other Asian standards are supported.

10. What smart shoes are supported?

Perfect Pay tables currently support both the Angel Eye electronic shoe and United States Playing Card's "Bee" shoes.

WDTS RFID PERFECT PAY DE LUXE MODEL
1 LEVEL BORDER TIGER-EYE: COMPOSITE MATERIAL & RADICA LAMINATED



**WDTS RFID PERFECT PAY
1 LEVEL BORDER CARBON FIBER: COMPOSITE MATERIAL**



WDTS RFID PERFECT PAY DE LUXE MODEL
1 LEVEL BORDER IVORY: COMPOSITE MATERIAL & RADICA LAMINATED



RFID

- Radio Frequency Identification -







Walker Digital Table Systems innovates and develops products for the Asian gaming market including the RFID-enabled Perfect Pay networked table system. Perfect Pay is capable of tracking hand outcomes, wagers, payouts and player ratings in real time while delivering the player's preferred live gaming experience featuring physical chips, physical cards and a dealer. With Perfect Pay, casinos can dramatically increase game security and dealer accuracy while minimizing losses from human error, collusion and theft. Other products include Elite Baccarat's™ exciting and profitable bets as well as mobile and multi-person gaming solutions.

Through PJM Gaming, a wholly-owned subsidiary, WDTS is the exclusive source for casino products and solutions including gaming chips, tag readers and gaming tables that leverage proprietary PJM or "Phase Jitter Modulation" technology that is protected by over 70 worldwide patents. PJM is established as the only RFID protocol capable of meeting the high-volume, dynamic requirements of the challenging casino environment.

WDTS is part of Walker Digital Management, LLC a privately held research and development lab based in Stamford, CT. The firm is headed by U.S. inventor and entrepreneur Jay Walker, best known as the founder of priceline.com. TIME magazine has twice named Mr. Walker "one of the top 50 business leaders of the digital age." Visit wdtablesystems.com for more information or email contact@wdtablesystems.com.



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