

# Spectrum **BROKER**

## **INDUSTRY-LEADING FUNCTIONALITY FOR BROKER-DEALERS**

- **Trade Management and Risk Management for FX, Interest Rates and Capital Markets**
- **Fast Execution and Volume Scalability While Preserving Pre-Netted Trade Details**
- **Real-Time Collateral and Credit Limit Monitoring with Pre-Trade Margin and Limit Checks**
- **Integrated Web Publishing for Comprehensive Reporting**
- **Highly Professional Multi-Lingual Correspondence including Online Statements, Transaction Confirmations, and SMS and Email Notifications**
- **Flexible Integration with Multiple Dealing Systems**

### **Overview**

Spectrum Broker is a comprehensive cross-product trade management platform for Broker-Dealers. Within one integrated platform, clients' positions can be monitored in real-time. Spectrum Broker's robust architecture can easily handle high volume trading activity. The integrated risk engine provides real-time monitoring of both credit and collateral limits, providing instant information and automated notification of any limit breach. Information published by the risk engine is readily available for Web reporting as well as Web portals, with real-time updates using XML Web Services. Many Broker-Dealers rely on Spectrum Broker for its comprehensive functionality, robust data model, flexible analytics, and fast processing.

### **Instrument Coverage**

Spectrum Broker allows users to easily view consolidated positions across all asset types including the following financial instruments:

- Spot-Forward-Swap FX Contracts
- Non-Deliverable Forwards
- Time Options
- Vanilla and Exotic FX OTC Options
- Futures and Options on Futures
- FRAs
- T-Bills, CDs and Commercial Paper

- Interest Rate Swaps
- Caps, Floors & Swaptions
- Bonds & OTC Bond Options
- Floating Rate Notes
- Equities & OTC Equity Options

### **Fast Execution and Volume Scalability**

Spectrum Broker's optimized architecture allows users to manage portfolios of hundreds of thousands of open trades. Production environments of Spectrum Broker routinely process daily volumes of over 150,000 transactions, with a single instance of Spectrum Broker easily able to process up to 300,000 transactions per day. Horizontally scaling Spectrum Broker would facilitate volumes of up to 1,000,000 transactions per day. The automation built into Spectrum Broker allows users to efficiently manage global back-office operations. It is not uncommon for clients to realize a 10-fold improvement in daily processing volumes due to the increased processing efficiency of Spectrum Broker.

### **Real-Time Limits and Collateral Checking**

Counterparty risks, market risks, and trader risks can be closely monitored with Spectrum Broker's flexible Limits and Margin (collateralized trading) Modules. Users can define a variety of limits, such as exposure limits, credit limits, settlement limits, and cash flow limits for each counterparty by financial product or

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for an aggregation of products. Limits may be weighted by financial product and are updated in real-time. The Limit Browser in Spectrum Broker provides a convenient screen to view all limits and their utilization, with flexible filtering to drill-down to specific clients, products, and currencies. Less creditworthy clients can trade using Spectrum Broker's powerful collateralized trading module. Spectrum Broker monitors clients' collateral and positions in real-time, and provides margin call alerts when clients' collateral is impaired. Spectrum Broker fully supports client trading regardless of whether it is based on credit or collateral.

## **Desktop Alerts**

Any transaction or market change that results in a breached limit can generate a desktop alert. The issued alert must be acknowledged or cleared by authorized personnel in order to de-activate the alert. Additionally, an SMS and/or email alert of a credit or collateral breach may be sent to any interested person, whether or not they are a user of Spectrum Broker.

## **Real-Time Web Publishing**

Spectrum Broker is able to publish Account Summary information, plus Positions, Transactions, and Risk in real-time for client review. Archived Client Statements can be easily accessed through a web portal, providing value-added services to the institution's clients.

## **Client Position and Risk Monitoring**

Spectrum Broker features a range of advanced, real-time analytical tools which facilitate the management of complex positions. Spectrum Broker's core risk management capability features a number of Analytic Blotters which can display the complete sensitivity profiles of a portfolio on a single screen. The blotter technology delivers flexibility and speed in analyzing complex portfolios, meeting the business needs of both traders and risk managers. The Analytic Blotters display data in real-time, refreshing position, P&L and sensitivity information as quickly as trades are entered into Spectrum Broker.

## **Multi-Lingual Messaging & Online Statements**

Spectrum Broker fully supports multi-lingual communications with full language and character support. Clients receive the "local" support they desire with user-defined messaging capabilities. Whether the language is English, Arabic, French, Spanish, Chinese or any other business language, Spectrum Broker will produce highly professional Confirmations, Statements and Notices for clients around the corner or around the world.

## **Robust, Integrated STP Functionality**

Trades entering Spectrum Broker can receive Straight-Through-Processing for confirmations, payments, and General Ledger accounting. Confirmations can be provided in a number of formats including mail, email, fax and SWIFT. Payments can be automatically generated for client accounts, as well as for SWIFT, CLS, Fedwire, CHIPS, ACH, and 3rd party payment systems. Using a rules-based engine, any step in the back-office process can be automated.

## **Fees & Commissions**

Spectrum Broker's Commission Module enables users to create complex commission structures that can be used to calculate and track commissions and fees on a real-time basis. Spectrum Broker will calculate and track fees that are paid to salespeople and brokers, as well as fees that are charged to clients. Fees and commissions are calculated, applied and captured as trades - providing real-time account updates and monitoring capability.

## **Integrates into Any Environment**

Spectrum Broker's interface facilities enable users to easily import data from, and export data to, any third party application. The interface facilities are very flexible, allowing users to customize the types, formats, and order of imported and exported data. Off the shelf interfaces to electronic dealing platforms include interfaces to Autobahn, Barx, Bloomberg, Currenex, EBS, FXall, HotSpot, Lava, Reuters, and UBS among others.

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