### Quoted Instrument: ffe/EURIBOR/MAR10
- **Bid**: 2.712
- **Vol**: 98.720
- **Offer**: 98.725
- **Offer Vol**: 799
- **Last**: 98.725
- **Volume**: 1

### Quoted Instrument: ffe/EURIBOR/JUN10
- **Bid**: 123
- **Vol**: 98.510
- **Offer**: 98.515
- **Offer Vol**: 3,638
- **Last**: 98.515
- **Volume**: 7

### Quoted Instrument: ffe/EURIBOR/SEP10
- **Bid**: 1,992
- **Vol**: 98.260
- **Offer**: 98.265
- **Offer Vol**: 670
- **Last**: 98.265
- **Volume**: 5

### Quoted Instrument: ffe/EURIBOR/DEC10
- **Bid**: 63
- **Vol**: 97.955
- **Offer**: 97.960
- **Offer Vol**: 1,187
- **Last**: 97.960
- **Volume**: 30

### Quoted Instrument: ffe/EURIBOR/MAR11
- **Bid**: 803
- **Vol**: 97.705
- **Offer**: 97.710
- **Offer Vol**: 461
- **Last**: 97.710
- **Volume**: 13

### Quoted Instrument: ffe/EURIBOR/JUN11
- **Bid**: 1,318
- **Vol**: 97.415
- **Offer**: 97.425
- **Offer Vol**: 1,078
- **Last**: 97.425
- **Volume**: 17

### Quoted Instrument: ffe/EURIBOR/SEP11
- **Bid**: 293
- **Vol**: 97.155
- **Offer**: 97.160
- **Offer Vol**: 29
- **Last**: 97.155
- **Volume**: 17

### Quoted Instrument: ffe/EURIBOR/DEC11
- **Bid**: 35
- **Vol**: 96.895
- **Offer**: 96.900
- **Offer Vol**: 122
- **Last**: 96.890
- **Volume**: 7

### Quoted Instrument: ffe/EURIBOR/MAR12
- **Bid**: 361
- **Vol**: 96.715
- **Offer**: 96.725
- **Offer Vol**: 677
- **Last**: 96.715
- **Volume**: 187

### Quoted Instrument: ffe/EURIBOR/JUN12
- **Bid**: 35
- **Vol**: 96.530
- **Offer**: 96.540
- **Offer Vol**: 68
- **Last**: 96.530
- **Volume**: 69

### Quoted Instrument: ffe/EURIBOR/SEP12
- **Bid**: 55
- **Vol**: 96.370
- **Offer**: 96.385
- **Offer Vol**: 77
- **Last**: 96.380
- **Volume**: 1

### Quoted Instrument: ffe/EURIBOR/DEC12
- **Bid**: 1
- **Vol**: 96.000
- **Offer**: 96.895
- **Offer Vol**: 5
- **Last**: 96.000
- **Volume**: 5

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**Trading Solutions**

*Powerful front-ends, API and market connectivity*
### Pro-Mark

The front-end for high-volume professionals

Pro-Mark is a premium front-end, the most advanced application available for the professional sector. It is the ideal tool for active professionals who use complex or demanding strategies across a wide range of products and exchanges.

#### Prism: Multi-leg Spreader

- Intelligent multi-leg spreading across multiple exchanges
- ‘Deductive logic’ to help you place orders at the best price to execute a strategy
- Create any strategy, in any ratio, across any number of legs
- High level of protection against underfills and overfills
- Supports advanced order types such as Icebergs
- Work two legs in the market, combine futures and options, expand legs to any asset class
- Work ‘stops’ in strategies
- Work the available volume using the Volume Tracker
- Message Tracker tool enables you to monitor messages to exchanges

#### Live Quotes Screen

- See any contract, anywhere, with details
- Embedded depth of market – screen shows contract depth at the exchange
- Trade initiators – customise your screen to suit your trading profile
- Optional embedded tickets
- Strategy control – see strategy depth, each strategy’s legs, and the depth of each leg
- Quick order finding
- Floating trading tools linked to each
- Simple tab system for quick location of contracts by exchange

#### Excel Integration

- The flexibility of Excel and the power of Pro-Mark are seamlessly integrated to offer the complete trading package
- Integrated order entry, amendment, cancellation and positions
- Real-time data feed (RTD)
- Bulk order entry directly into Excel from order book

#### Reflector Screen

- A unique depth of market screen with single-click trading, cancelling and amending
- Dynamic prices, price and order locking, dime features, last-trade price, inside market, day high/low, book weighting
- Colour-coded indicators to help you see spread patterns and identify breakout, support and resistance levels
- Intelligently amend multiple orders at the same level, using either a pro rata or ‘last in/first out’ function
- Flatten or reverse a filled position at the touch of a button

#### Options Screen

- Call and put options centralised around the ‘at the money’ strike
- Multiple contract tabs
- Easy expiry navigation
- Embedded option trade ticket
- User defined strategy creation

#### Grid: Spread Matrix

- Spread Matrix combining outrights, calendars, butterflies, condors, packs and bundles on one screen
- View any of the above in any number of commodities
- Create and price any strategy using any combination of outrights
- Quick tabbing functionality across all screens

#### Broker Intervention

- Accept, reject or amend client orders before they reach the exchange
- Amend or split orders that you accept
- Pass orders to multiple brokers

#### Advanced Order Types

- Pro-Mark supports several advanced order types including:
  - Icebergs
  - Ghost Orders
  - Block Trades
  - Good Till Cancel (GTC)
  - Good Till Date (GTD)
  - Limit Fill And Kill (FAK)
  - Limit Fill Or Kill (FOK)
- With SyOMS-Pro, Pro-Mark also supports:
  - Time-sliced Orders
  - ‘With A Tick’
  - OCO Limit Stop
## J-Trader

The ideal all-purpose trading tool

A widely distributed and market-leading application, J-Trader is simple to deploy, easy-to-use and provides all the functionality you would expect of a successful and versatile front-end. It is the ideal all-purpose trading tool.

### Reflector Screen
- Market depth, status, hot quote and position screens rolled into a single screen
- Single-click trading, cancelling and amending
- Dynamic prices
- Price and order locking
- Easily visible last-traded price, day high and low indicators
- Outside display order indicator
- Audit trail of last-traded prices
- Trailing stops and brackets
- Bracket orders – combine multiple profit levels with trailing stops to create fully automatic execution
- Market orders – fast execution buy and sell market order buttons
- Reversal button – position reversal button to quickly change direction
- Flatten button – sends order into market to reset a trader position
- Trailing stop with market movement sensitivity
- Multiple profit levels

### Hot Quote Screen
- User-defined trading window
- Single/double-click trading
- View and trade all main markets
- Graphically interfaced market depth and last traded prices
- View implied prices
- Automatic execution and pricing of user-defined MEL strategies
- Tradable depth of market

### Order Book
- Colour-coded order buys/sells
- Working and filled order books
- Pre- and post-trade allocation
- Sophisticated order filter and sort system
- Amend, pull, query and print functionality
- Single-click cancel
- Orders can be shared across multiple users

### Real-time Position Display
- Real-time P & L
- Real-time position management
- Full trade history
- Commission deducted automatically from P & L
- View P & L and positions for many accounts, in real-time from the same window

### Spread Matrix Screen
- User-friendly matrix construction
- Trade outright and spread markets
- Single/double-click trading
- Switch on/off implied prices
- Last 20 trades history
- Full depth of market on all calendar spreads

### Options Screen
- Call and put options centralised around the ‘at the money’ strike
- Easy expiry navigation
- Basic strategy creation

### MEL Strategy Creator
- Multi-exchange legger (MEL) used to create and trade inter- and intra-market strategies not supported by the exchange
- Create any desired strategy, in any ratio, across multiple exchanges
- Any number of user-defined legs
- Strategy legs can be any combination of stocks, options and futures

### Settings Screen
- Keyboard trading functionality
- User-customised interface:
  - User-defined fonts, colours and sounds
  - User-defined pre-trade quantity controls (‘Fat Finger’ prevention and price reasonability checks)
- User-defined screen layout
- User-defined commissions

### Charting & News
- Integrated charting & news powered by Market-Q from Interactive Data

(See next page for Market-Q details.)
Market-Q

Integrated, real-time charting and news

With global real-time pricing information and news, Market-Q is designed for professionals who need a sophisticated, yet flexible and cost-effective, charting solution.

Charting

Market-Q, from Interactive Data, combines real-time data with historical data from third-party data providers. Market-Q offers interactive charts designed to be delivered in a dynamic chart viewer with a full range of features.

Charting details include:

- Streaming, real-time data; ticks from the exchanges continuously fed directly into the chart, providing a dynamic display
- Charting for contracts across all major futures exchanges, including London Metal Exchange (LME) outright contracts
- More than 30 technical studies, all with user-changeable study parameters
- Easy creation of chartable expressions
- Overlays of studies on contracts for continuous charting
- A jump-to feature that takes you right to the exact time range on a chart
- Ability to view multiple studies on different panes within the chart window
- User-changeable symbol and study colors
- Ability to draw trendlines on charts, including Gann Fan, Fibonacci Fan, Fibonacci Retracement, Fibonacci Extension and Speed Resistance Arc
- Choice of data intervals: tick, intraday, daily, weekly or monthly
- Chart types, including Bar, Line, Candlestick, Area
- Chart Data Table with a find feature that allows you to search within the table using your search criteria
- Chart Data Table enables export of data (e.g. High, Low, Close, Volume) to CSV file
- Optional display of a Crosshair or Data Bar, with a dynamic, movable Data Table that shows you the precise information for that point on the chart
- Compression, expansion and movement of the chart time series using the mouse to drag and drop
- The ability to save all modifications to a chart when you exit the application, including trendlines, study parameters, window placement and size, allowing you to recall a chart exactly as you left when you re-access the application
- Symbol Overlays with price and percentage scale
- Study overlays
- Logarithmic Scale
- ‘Print Image’ feature, including chart scale formatting

Commodities Coverage

- Futures and options contracts viewable side-by-side, including the ability to search by entering the exchange, contract symbol or contract month

News

The news window offers comprehensive, real-time news services, including:

- Dow Jones and Dow Jones Commodities, COMTEX, RealTime Traders Pro;
- Ability to display news for all active symbols in the page and to search by symbol, service or category
- View options that include headlines only or click to retrieve full stories as needed

Alerts

Visual alerts notify you when market activity meets user-defined criteria. Set alerts on numerous fields, such as news (by service, symbol or keyword) or quote.

- Set a high and low limit on a symbol
- Easily acknowledge, reactivate, edit or dismiss alerts
- Track all alert activity in the Alert Log, including the ability to:
  - View the symbol, the field on which the alert is set, high or low settings, the value that triggered the alert, the date and time of the alerts and a description and user-entered comment
  - Print or export alerts
  - Store alerts locally

Learn More

Visit www.patsystems.com/trading today or email us at inquiries@patsystems.com
Trading API

Whether representing a global institution or working independently, advanced traders want the freedom to create their own trading applications and custom algorithms.

That’s why Patsystems offers our proprietary API which allows third parties to benefit from one of the world’s most powerful trading systems, with a single access point to over 60 global markets. Developers can write to our proprietary trading API using a number of languages including C++, Visual Studio, Java, and C#.

Patsystems provides expert support to third parties who wish write to our API:

- Model and test strategies in Excel, with seamless integration into Pro-Mark

FIX Trading Gateway

FIX – Financial Information eXchange – is the de facto connectivity standard for the financial industry. Patsystems is a member of the Global Derivatives Steering Committee and we help shape the development of the FIX standard.

Patsystems’ FIX Trading Gateway is built around industry standard FIX 4.2. Our Gateway provides a high speed connectivity solution for order flow and market data. Developers fluent in FIX can get connected in a minimal amount of time.

Patsystems’ FIX Trading Gateway is available in two formats. The interfaces can be used for order flow, market data and notice of execution. The formats are:

- A deployable API-based application that may be embedded within a buy-side application or a FIX engine. The application sends Patsystems’ proprietary messages to a broker
- The traditional method of routing FIX-based messages directly to a FIX-based server housed at the sell-side broker

Market Connectivity

Patsystems’ extensive market connectivity delivers a major advantage to our customers. Spanning the Americas, Asia Pacific, Europe, the Middle East and Africa, Patsystems connects to over 60 exchanges and liquidity pools globally. This diverse range of exchanges allows customers to take advantage of global trends and cross-exchange spreading opportunities, all from a single screen.

Each exchange can be accessed directly or via Patsystems XLink capability.

Direct Market Access (DMA) provides high performance, low-latency connectivity. Patsystems builds Exchange Specific Adapters (ESAs) to each exchange, giving customers low-latency market data delivery and flexible access from any location.

XLink is Patsystems’ unique software solution that allows our customers to leverage one another’s exchange memberships without the need for expensive memberships or additional exchange gateways. XLink bridges can connect Patsystems’ trading environments anywhere in the world. The XLink software runs on a local server and routes orders seamlessly from the originating company to the receiving company.

Learn More

Visit www.patsystems.com/trading today or email us at inquiries@patsystems.com
About Patsystems

Total FlexAbility

We deliver tailored solutions, built from modular components, to enhance derivatives trading performance and trade processing. Our solutions can range from a plug-and-play module to address a specific issue, to complete high-performance trading systems with global access to an extensive list of key exchanges.

We work in partnership with our customers to deliver robust systems that align with their business strategies – and have done since our foundation in 1994.

Numerous leading banks, trading houses, hedge funds and professional traders around the world rely on Patsystems’ technology for electronic trading in derivatives, FX, energy and other asset classes.

Key Business Areas

Trading Solutions
• Powerful front-ends, API and exchange connectivity to enable trading across all major futures exchanges and liquidity pools.

Risk Solutions
• A standalone, platform independent risk management system that calculates risk across multiple asset classes in real-time.

Exchange Solutions
• End-to-end exchange and back office solutions that automate all steps in the trade cycle from front to back office.

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