

## Front-End System Provided Functionality

**Company Name:** Townsend Analytics, Ltd.

**Application Name:** RealTick

**Website:** [www.realtick.com](http://www.realtick.com)

### CME Globex-Certified Functionality

<b>iLink</b> <input checked="" type="checkbox"/>	<b>Functionality</b>
<b>Market Data</b>	Implied Prices <input type="checkbox"/>
Futures Book-Depth Supported 10	In-Flight Mitigation (IFM) <input type="checkbox"/>
Options Book-Depth Supported 1	Request for Quote (RFQ) <input type="checkbox"/>
Implied Price and Quantity Display <input type="checkbox"/>	Indicative Prices <input type="checkbox"/>
FIX/FAST <input checked="" type="checkbox"/>	Request for Cross (RFC) <input type="checkbox"/>
<b>Order Type</b>	Give-Ups <input type="checkbox"/>
Market (with Protection) <input checked="" type="checkbox"/>	Route-Through <input type="checkbox"/>
Limit <input checked="" type="checkbox"/>	Mutual Offset <input type="checkbox"/>
Stop with Protection <input checked="" type="checkbox"/>	Maximum Show Quantity <input checked="" type="checkbox"/>
Stop Limit <input checked="" type="checkbox"/>	Drop Copy <input checked="" type="checkbox"/>
Market Limit <input type="checkbox"/>	<b>User Defined Spreads</b>
Minimum Quantity <input checked="" type="checkbox"/>	Display Combos <input type="checkbox"/>
Hidden Quantity <input type="checkbox"/>	Create Combos <input type="checkbox"/>
<b>Order Qualifiers</b>	Display Covereds <input type="checkbox"/>
Day <input checked="" type="checkbox"/>	Create Covereds <input type="checkbox"/>
Good Till Cancel (GTC) <input checked="" type="checkbox"/>	<b>Market Maker Functionality</b>
Good Till Date (GTD) <input checked="" type="checkbox"/>	Mass Quotes <input type="checkbox"/>
Fill and Kill (FAK) <input checked="" type="checkbox"/>	Market Maker Protections <input type="checkbox"/>
FAK with Minimum Quantity <input checked="" type="checkbox"/>	Quote Cancel - All <input type="checkbox"/>
<b>FCM/IB Services:</b>	Quote Cancel - per Group <input type="checkbox"/>
Clearing Services <input type="checkbox"/>	Quote Cancel - per Instrument <input type="checkbox"/>
Brokerage / Trading Services <input type="checkbox"/>	

## Front-End System Provided Functionality

### CME Globex-Supported Functionality by Market

#### Futures

Equities	<input checked="" type="checkbox"/>
Foreign Exchange (FX)	<input checked="" type="checkbox"/>
Interest Rates	<input checked="" type="checkbox"/>
Commodities	<input checked="" type="checkbox"/>
Alternative Investments	<input type="checkbox"/>
NYMEX	<input checked="" type="checkbox"/>
COMEX	<input checked="" type="checkbox"/>
KCBT	<input type="checkbox"/>
MGEX	<input type="checkbox"/>
BMFBOVESPA	<input type="checkbox"/>

#### Options

Equities	<input checked="" type="checkbox"/>
FX	<input checked="" type="checkbox"/>
Interest Rates	<input checked="" type="checkbox"/>
Commodities	<input checked="" type="checkbox"/>
Alternative Investments	<input type="checkbox"/>
Volatility-Quoted Options	<input type="checkbox"/>
NYMEX	<input checked="" type="checkbox"/>
COMEX	<input checked="" type="checkbox"/>
KCBT	<input type="checkbox"/>
MGEX	<input type="checkbox"/>
BMFBOVESPA	<input type="checkbox"/>

#### Supported Maturities

Weeklies	<input type="checkbox"/>
Serials	<input checked="" type="checkbox"/>
Quarterlies	<input checked="" type="checkbox"/>

#### RFQ and Trade Display

Ability to Show all RFQ's	<input type="checkbox"/>
Ability to Show all Trades	<input checked="" type="checkbox"/>

## Front-End System Provided Functionality

### CME Globex-Supported Spread Functionality

#### Futures Spreads

- Calendar
- Horizontal
- Pack
- Month Pack
- Pack Spread
- Pack Butterfly
- Bundle
- Bundle Spread
- Double Butterfly
- Condor
- Intercommodity
- Strip
- 1:1 Crack
- Silver Calendar
- Reduced Tick
- Butterfly

#### Handhelds

- Handheld/Mobile Device
- Handheld/Tablet via CME
- Trading Floor Wireless Network

#### Options Spreads

- Any option spreads?
- Straddle
- Strangle
- Vertical
- Horizontal
- Butterfly
- Risk Reversal
- Ratio 1x2
- Ratio 1x3
- Ratio 2x3
- Condor
- Christmas Tree
- Strip
- Horizontal Straddle
- Double
- Conditional Curve
- Straddle Strip
- Generic
- 3-Way
- Maximum Number of Spread Legs Supported
- Box
- Modified Butterfly
- Iron Condor

## Front-End System Provided Functionality

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Algorithmic or Automated Trading Module	<input type="checkbox"/>	Other Functionality:
ASP or Hosted Solution	<input type="checkbox"/>	
Automated Spreading Module	<input type="checkbox"/>	
Delta-based Risk Management Module	<input type="checkbox"/>	
DMA Risk Management Module	<input type="checkbox"/>	
FIX API	<input type="checkbox"/>	
Internet-delivered Thin Client Application	<input type="checkbox"/>	Available Trading Applications:
Real-Time Support for Microsoft Excel®	<input type="checkbox"/>	
Real-Time Trading Simulator	<input type="checkbox"/>	RealTick
Risk Management Module	<input type="checkbox"/>	
Synthetic Order Types	<input type="checkbox"/>	
System API	<input type="checkbox"/>	
Professional Services and Consulting	<input type="checkbox"/>	
Integrated Charting and Analytics	<input type="checkbox"/>	

### Clearing 360 Support

Block and OTC Trade Submission via Clearing 360 API	<input type="checkbox"/>
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