

# Dark Liquidity Aggregation

BLOOMBERG TRADEBOOK®

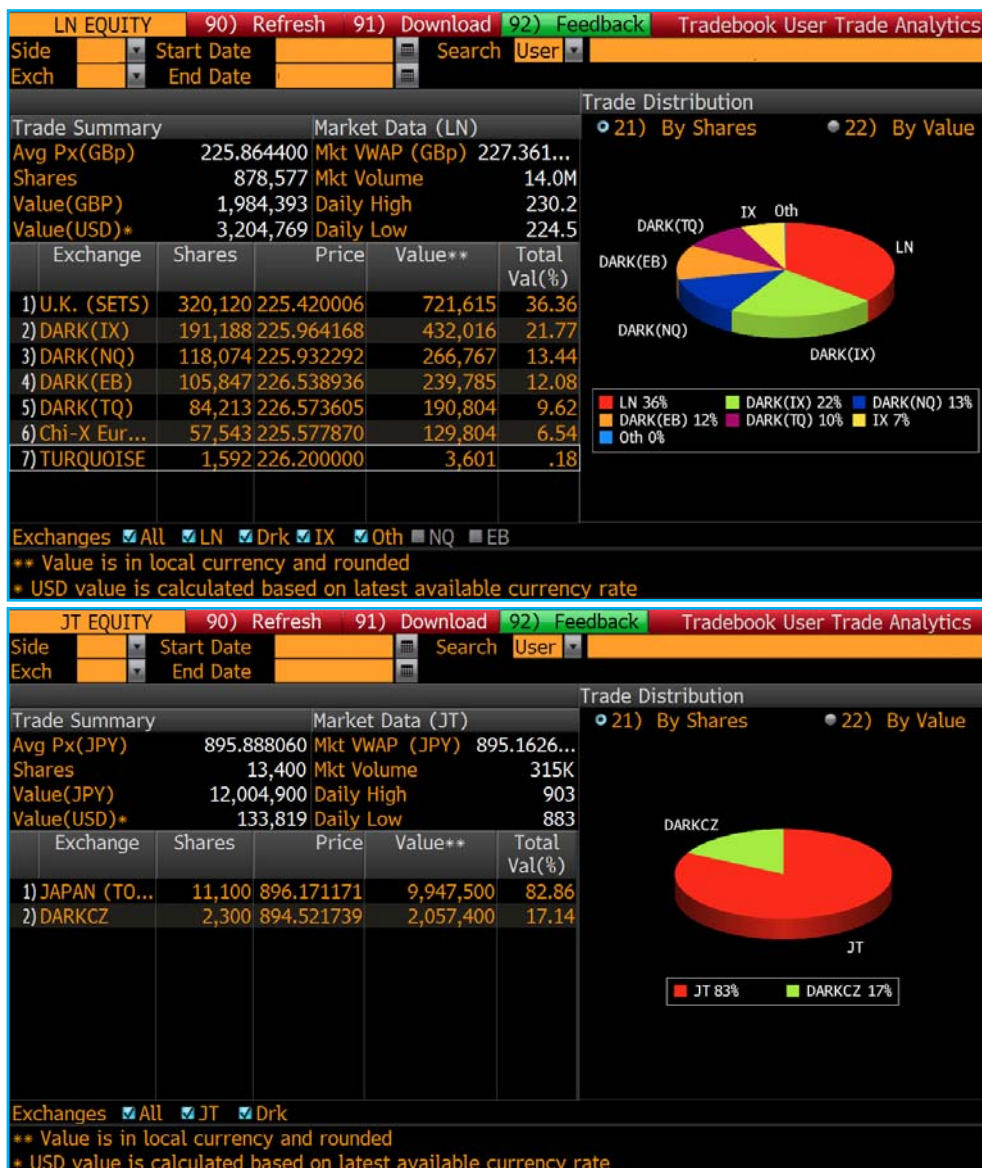
## SOARing Through Global Dark Venues

Smart Order Algorithmic Routing (SOAR) in dark venues involves; an unconflicted business model, smart statistical posting, randomization, native/synthetic order types to protect orders and being opportunistic to “game the gamers.”

Increasing dark and off exchange liquidity are emerging liquidity trend in Europe and Asia. Many clients are realizing that as much as 20% of their order are executing in the dark. You can see where your orders are executing on Bloomberg Tradebook with the **GTTA<Go>** analytic (Figure 1).

To optimally capture dark liquidity and prevent your order from being “mugged”, you have to take pro-active, preventative action to stop gaming before it starts. Bloomberg Tradebook’s dark aggregation algorithms use sophisticated statistical and innovative algorithmic trading techniques to:

- Create real-time liquidity profiles and heat maps at the security level to find the likely venues where hidden liquidity resides
- Rank dark venues and optimally allocate orders at the security level in real-time
- Statistically base venue selection on the quality and quantity of liquidity
- Protect orders by randomizing and leveraging min fills, strict limits, native



Dark Venue Transparency on Tradebook’s **GTTA<Go>**

and synthetic order types  
Game the gamers – employ price predictor models to spot opportunities to use some of their techniques “against them”.

**For more a detailed discussion on dark pools:**  
Read our white paper on Trading in Global Dark Pools, type on your Bloomberg Professional® service:

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# Algorithms DO Make a Difference

## Bloomberg Tradebook Is Number 1 in the 2009 Best Execution League Tables

With the real-time transparency that our Trade Analytics (**GTTC<Go>/BTTC<Go>**) and our detailed audit trails offer (**GTCB<Go>/BTCB<Go>**), traders can monitor exactly how Bloomberg Tradebook handles their orders. We look at our execution quality and constantly analyze what is happening and what our orders may be doing to the market. The statistical analysis and your feedback enable us to optimize. The results speak for themselves.

In 2009, based on Elkins/McSherry's independent analysis of over 2,000 brokers, Bloomberg Tradebook was the Best Execution League Table leader in U.S. and Global Equity markets (Figure 2). This is the first time that has happened.

Using Bloomberg Professional® service **BTCA<Go>** analysis, you can see the results on an algorithm by algorithm basis (Figure 3). To evaluate our algorithms on your orders use **TBTC<Go>**.

### Institutional Investor broker league tables 2009

#### Bloomberg Tradebook:

Rank	Equity	Benchmark	Difference between E/M Universe (Bps)
1	Global 32 Markets	Interval VWAP	26.63
1	NYSE Trading	Interval VWAP	14.11
2	NASDAQ Trading	Interval VWAP	15.45
3	Global 32 Markets	Arrival Price	42.65

Ranking is out of 2,000 brokers with best results

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Figure 2

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