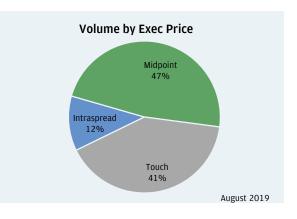


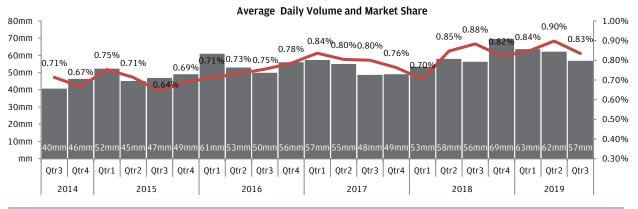
Features and Benefits

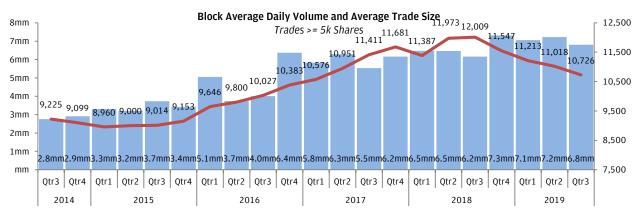
- Tier structure to support customizable crossing
- Conditional order support
- · Price/Tier/Time priority matching
- · Broad spectrum of J.P. Morgan liquidity

- · Liquidity, speed, and execution quality
- · Opportunity for price improvement
- · Continuous crossing

August 2019 JPM-X Statistics	
Average Daily Volume (single counted)	60.4 mm
Average Trade Size	175 shares
# of Symbols traded	6,521 unique symbols
% of Volume >= 5k shares	11.7% of Volume (7mm ADV)
Average Block Size (>= 5k shares)	10,563 shares



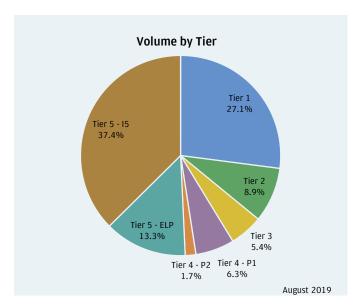


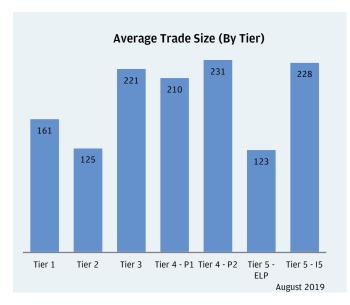


Order Flow Tiers

Our differentiated tiering structure allows clients to customize the order flow types with which they interact. Order flow types are used to tier the JPM-X order book.

- Tier 1: Institutional investor client flow and JPMS affiliates' flow accessing JPM-X via algorithms/SOR
- Tier 2: Institutional investor client flow with direct access to JPM-X
- Tier 3: U.S. registered broker-dealer client flow (both agency and principal) accessing JPM-X via algorithms/SOR
- Tier 4 (P1): Internal (JPMS) trading desk flow accessing JPM-X via algorithms/SOR
- Tier 4 (P2): Internal (JPMS) electronic liquidity provider flow with direct access to JPM-X
- Tier 5 (I4/ELP): Flow of external broker-dealers acting as electronic liquidity providers with direct access to JPM-X
- Tier 5 (15): Flow of external broker-dealers not acting as electronic liquidity providers (both agency and principal) with direct access to JPM-X





Sources: JPMorgan Tick and Trade Data, BATS Market Volume Summary http://www.batstrading.com/market_summary

Please also see:

JPM-X FAQs: https://www.jpmorgan.com/directdoc/jpmxfaqs.pdf

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