SIGNAL RESEARCH NOTE

Inventory Overhang Boundary

Inventory intensity and operating-productivity evidence across global equities.

Chatgpt Classic Signal Pack | Secondary research | 63d preferred horizon

Executive Summary

This note summarizes historical rank evidence for Inventory Overhang Boundary. Metrics are reported as research diagnostics under the source-run assumptions and should be read as evidence about ranking behavior, not as a live recommendation.

Preferred horizon	**63d**
Top-bottom spread	**1.02%**
Rank IC	**0.015**
Long-leg return	**5.47%**
Average turnover	**63.11%**

1. The preferred diagnostic horizon is 63d, where the recorded rank spread is 1.02%.
2. Spread evidence is strongest around the 126d horizon in the available comparison set.
3. Rank IC is positive in the reported research run at 0.015.

Data and Research Setup

UNIVERSE

A broad global equity universe with dated accounting coverage.

INPUTS

Point-in-time inventory, operating and market information aligned to later returns.

CADENCE

Monthly cross-sectional ranking review with a preferred 63d forward horizon.

COMPARISON BASIS

Comparisons use the same universe and source assumptions inside each run. The note excludes instrument-level lists and live recommendations.

The source files were used for historical research extraction only. This note does not include instrument-level lists or position-level recommendations.

Signal Methodology

Without disclosing the exact functional, the construction proceeds along three conceptual steps.

1. **Signal measurement.** Measures inventory intensity in the context of each company's operating profile.
2. **Cross-sectional ranking.** Ranks equities by the relative strength of the resulting inventory-overhang state.
3. **Horizon evaluation.** Evaluates the ordering across short, medium and long forward horizons and chronological splits.

The description is intentionally conceptual. Formula details, exact construction rules and implementation parameters are not disclosed.

Results and Horizon Context

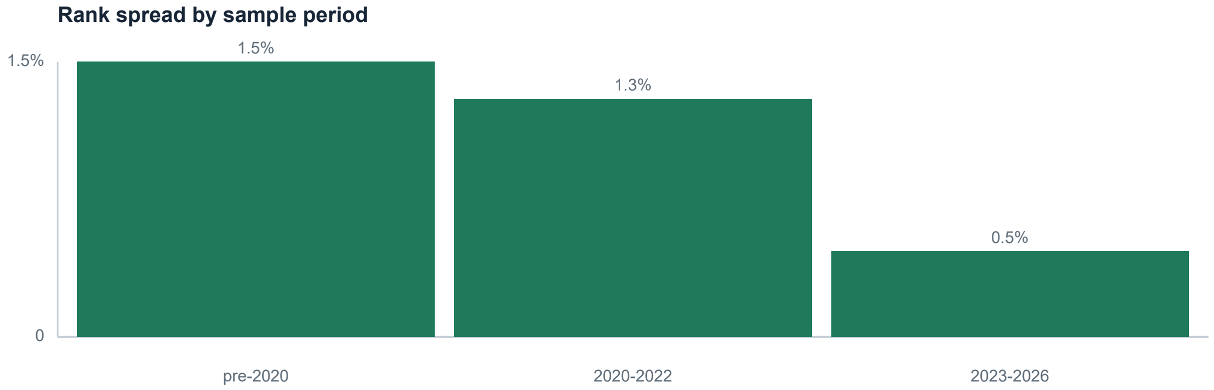

Figure 1. Top-minus-bottom rank spread across chronological sample periods. The bars are historical ranking diagnostics, not a standalone portfolio NAV.

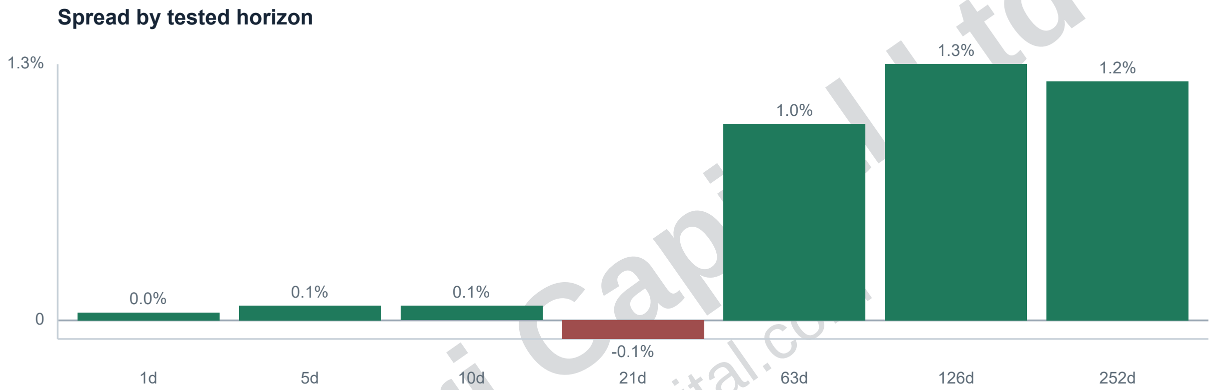

Figure 2. Spread profile across the tested horizons available in the source validation summary.

Horizon	Rank spread	Rank IC	Long-leg return	Turnover
1d	0.04%	0.008	0.35%	63.11%
5d	0.07%	0.001	0.72%	63.11%
10d	0.08%	0.000	1.16%	63.11%
21d	-0.10%	-0.005	1.77%	63.11%
63d	**1.02%**	**0.015**	**5.47%**	**63.11%**
126d	1.33%	0.005	11.04%	63.11%
252d	1.24%	-0.006	24.64%	63.11%

Stability and Robustness

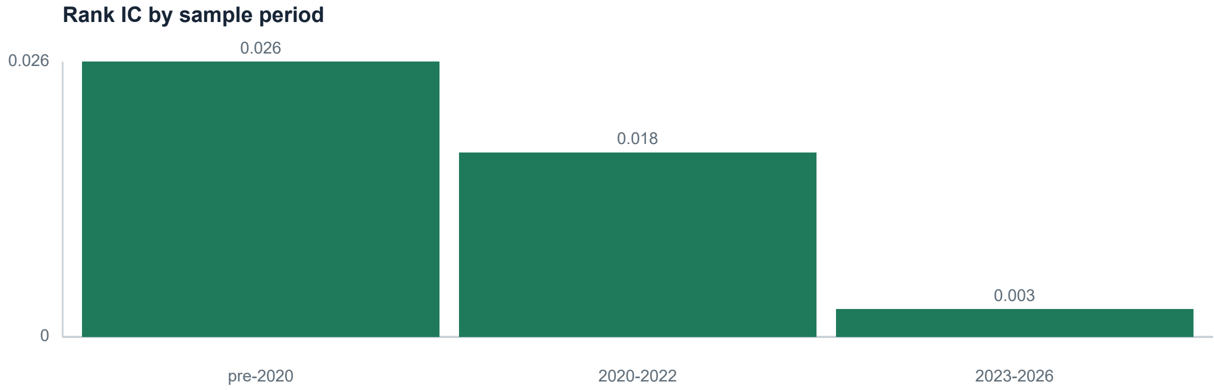

Figure 3. Rank-IC evidence across chronological sample periods from the source OOS audit.

The recorded spread is positive in 3 of 3 chronological sample periods. Positive-year fraction is 70.0% in the source run.

Positive-year fraction	**70.0%**
Universe size	**2,730**
Validation dates	**107**

Research Interpretation

ROLE IN RESEARCH LIBRARY

Secondary working-capital ranking boundary inside the research library.

WHAT IT CAPTURES

Inventory intensity relative to operating context and its association with medium-horizon return ordering.

KNOWN LIMITATIONS

Point-in-time accounting coverage varies by company and region, while adjacent horizons are less consistent than the preferred medium-term result.

The evidence supports retaining the signal in the research library where it can be compared with related components under the same assumptions.