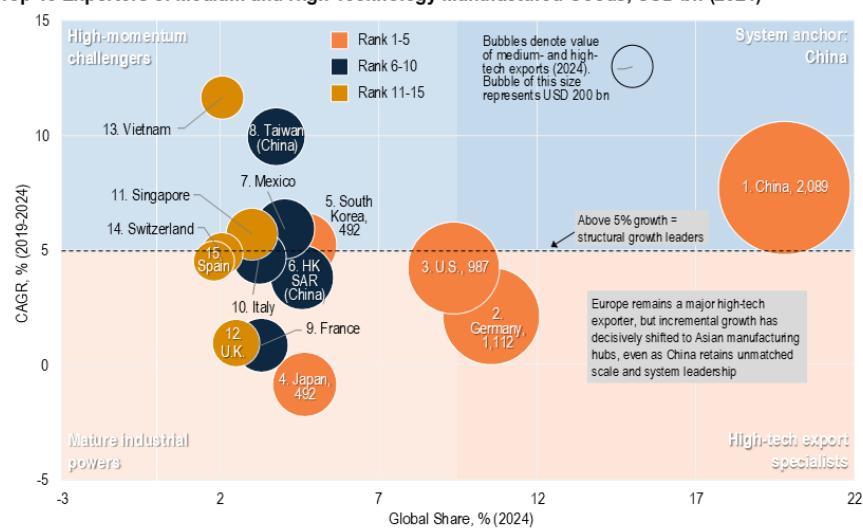




High-Tech Manufacturing Export Growth Has Shifted to Asia, But China Remains the Industrial Core

China retains unmatched scale at the centre of global high-tech production, while rapid gains in Vietnam, Mexico and other Asian hubs signal supply-chain expansion at the edges rather than a shift of the industrial core.

Top 15 Exporters of Medium and High-Technology Manufactured Goods, USD bn (2024)



Top 15 Exporters of Medium- and High-Tech Manufactured Goods (2024)

Country	USD bn	Share of Total Country Exports, %
1. China	2,089	58%
2. Germany	1,112	66%
3. U.S.	987	48%
4. Japan	492	70%
5. South Korea	492	71%
6. HK SAR, China	483	75%
7. Mexico	423	69%
8. Taiwan, China	397	84%
9. France	347	54%
10. Italy	340	50%
11. Singapore	315	62%
12. U.K.	262	51%
13. Vietnam	218	54%
14. Switzerland	215	49%
15. Spain	189	45%

Note: Medium- and high-technology manufactures include advanced industrial and technology-intensive goods such as machinery, electronics, vehicles, chemicals, pharmaceuticals and precision equipment as per WTO technology-intensity classifications. Source: WTO, ANDAMAN PARTNERS Analysis

Global high-tech manufacturing is expanding geographically, but its centre of gravity has not moved. China stands apart on sheer scale, exporting more medium- and high-technology manufactures than any other country by a wide margin. Its recent growth is steady rather than spectacular, yet its size means it continues to anchor the global production network. This signals that the deepest supplier ecosystems, the broadest industrial capabilities and the highest capacity for rapid scale-up remain concentrated in China.

At the same time, momentum is clearly building elsewhere in Asia. Vietnam recorded the fastest sustained growth among major exporters (2019-2024 CAGR of 12%), while Taiwan (China) and South Korea pair strong growth with meaningful scale. Taiwan (China) is particularly striking: a large exporter whose national export basket is overwhelmingly high-tech (84% share), reflecting its pivotal role in advanced electronics and semiconductor value chains. Singapore and Mexico (both with a 6% CAGR) also show above-average expansion, pointing to Asian regionalisation and North American near-shoring dynamics.

Europe's leading exporters, including Germany, France and Italy, remain large and technologically sophisticated, but are in the slower-growth tier along with Japan. These economies continue to matter enormously for quality, engineering depth and specialised



equipment, but the fastest-compounding additions to global high-tech capacity are now occurring in Asian hubs rather than in Europe.

The emerging pattern for medium- and high-tech exports is a China-centred core surrounded by a widening ring of fast-growing Asian production nodes. Growth at the edges does not displace the core; it reinforces a broader, Asia-weighted manufacturing system.

For corporate strategy, that means diversification opportunities are increasing, but critical dependencies are also becoming more regionally concentrated. Decisions on sourcing, partnerships and investment will increasingly hinge on how effectively companies position themselves within this China-anchored, Asia-driven industrial ecosystem.

Also by ANDAMAN PARTNERS:

- [The Rise and Fall of China's Trade Intensity: From Export Surge to Economic Rebalancing](#)
- [The Evolution of China's Trade Structure: 1992-2024](#)
- [High-Tech Exports: China Leading, Asia Rising](#)

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