



A New Philosophy in Airflow: The Tai Chi Hybrid Blade Fan

By Y.S. TECH

Engineering Balance for Peak Performance.

The High-End PC Market Demands More Than Just Performance

The premium PC gaming segment seeks a perfect synthesis of competing attributes. Success requires delivering on a complex set of expectations simultaneously.



Visible Innovation:
A design that looks as powerful as it performs.



Acoustic Profile:
Silent operation without compromising on cooling.



Cooling Performance:
Unquestionable thermal efficiency for demanding hardware.



Design Concept:
A compelling story that elevates the product.



Aesthetic Customization:
Colorful and visually unique components.

Our Solution is Inspired by a Timeless Principle: Balance



Yin (陰): The Inner Overlap

A set of blades designed to create high pressure and focus airflow

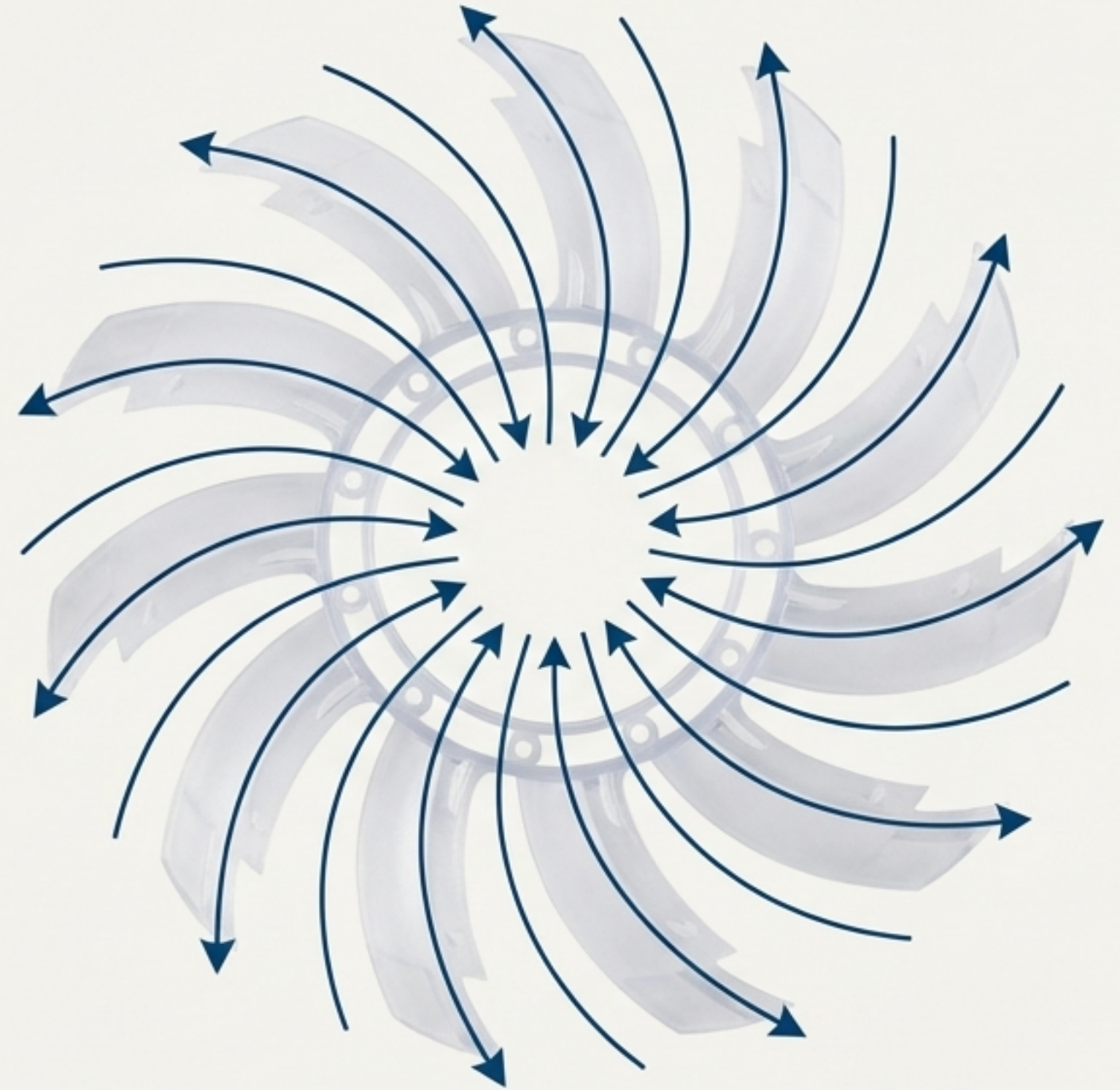


Yang (陽): The Outer Blade

A set of blades designed to capture high volumes of air

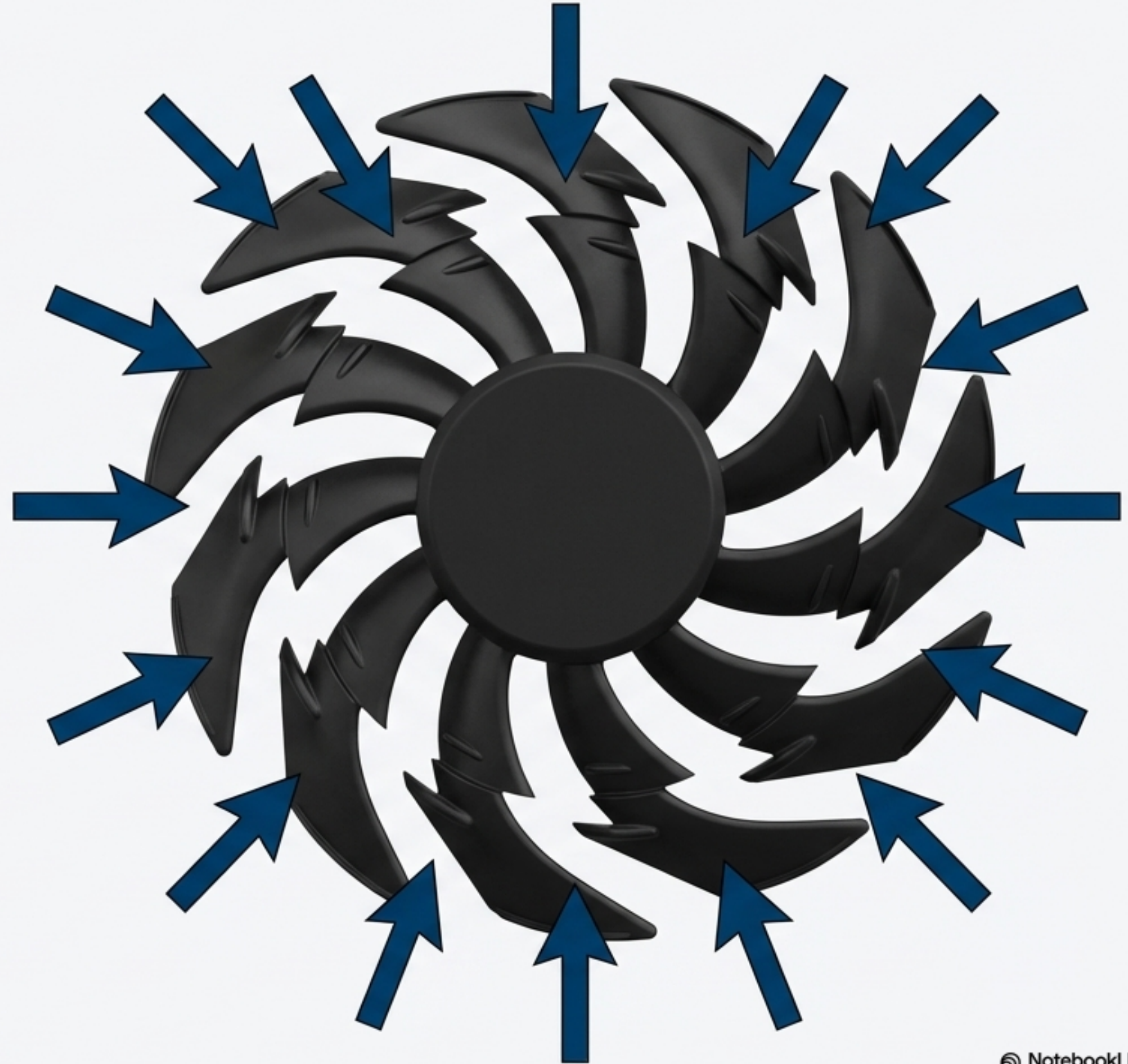
Yin: The High-Pressure Core

The 'Yin' impeller is the inner, overlapping set of blades. Its primary function is to generate higher static pressure and concentrate a focused, high-velocity column of air through the center of the fan. This action is the key to creating the pressure differential that powers the entire system.



Yang: The High-Volume Intake

The 'Yang' impeller is the outer set of blades. It is designed to exploit the pressure difference created by the Yin core. This pressure drop allows the Yang blades to suck in a greater volume of air from the surrounding area, significantly increasing the total airflow (CFM).



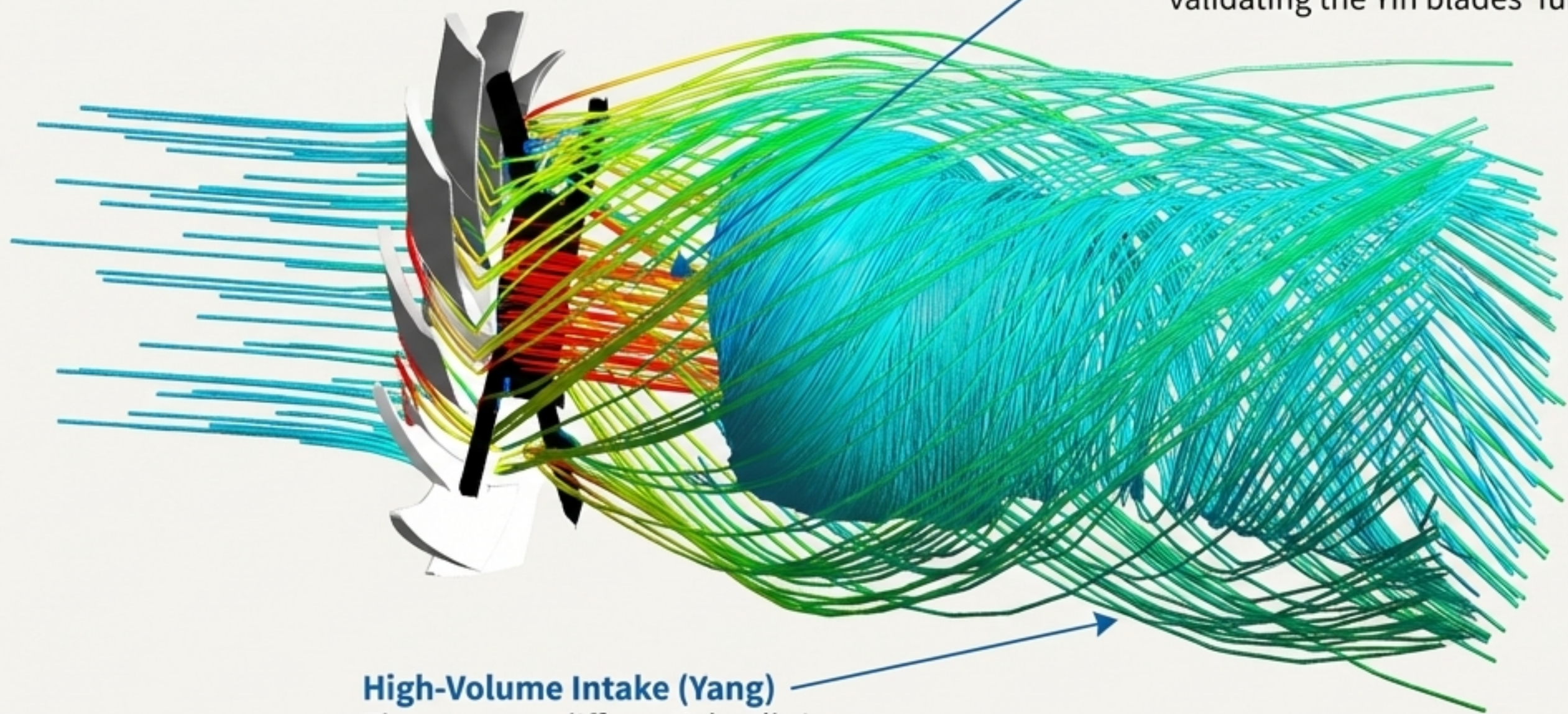
United, They Create the Tai Chi Hybrid Blade



The two blade sets are not separate systems; they are a single, cohesive unit. The inner 'Yin' blades create a low-pressure zone, which the outer 'Yang' blades leverage to pull in more air. This synergistic 'Hybrid-Overlap' design achieves a superior balance of static pressure and airflow, resulting in a fundamental performance upgrade.

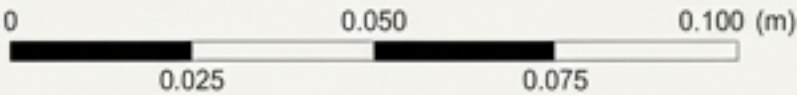
Visualizing the Synergy:

CFD Analysis of the Hybrid Airflow



Focused High-Pressure Core (Yin)
High-velocity streamlines (up to 7.500 m/s) form a concentrated column, validating the Yin blades' function.

High-Volume Intake (Yang)
The pressure differential pulls in a massive volume of air across the outer blade area.



Technical Data Box:
Model: Hybrid 14025
Test Conditions: 1800 RPM
System Resistance: 15 Pa (1.58mmAq)

The Result: The Tai Chi 140mm Performance Fan

- Patented Hybrid-Overlap Blade System
- Two-component impeller construction for aesthetic and aerodynamic benefits
- Optimized for both high-airflow and high-pressure applications (e.g., radiators, heatsinks)
- Performance validated with GTX140 Radiator



A Purpose-Built Solution for the High-End Gaming Market



Visible Innovation:

Unique two-layer blade structure is immediately recognizable.



Cooling Performance:

Hybrid design upgrades performance beyond traditional fans.



Silent Operation:

Aerodynamically optimized to balance performance and acoustics.



Design Concept:

Powerful 'Tai Chi' story provides a unique marketing angle.



Colorful:

Dual-component impeller allows for striking color combinations.

A New Canvas for Visual Expression

The two-part construction of the impeller is a key innovation for customization. The inner 'Yin' (L1) and 'Yang' (L2) blades can be produced in different colors or materials.

This opens up unprecedented possibilities for custom colorways, special editions, and brand collaborations, creating a truly colorful and unique impeller.



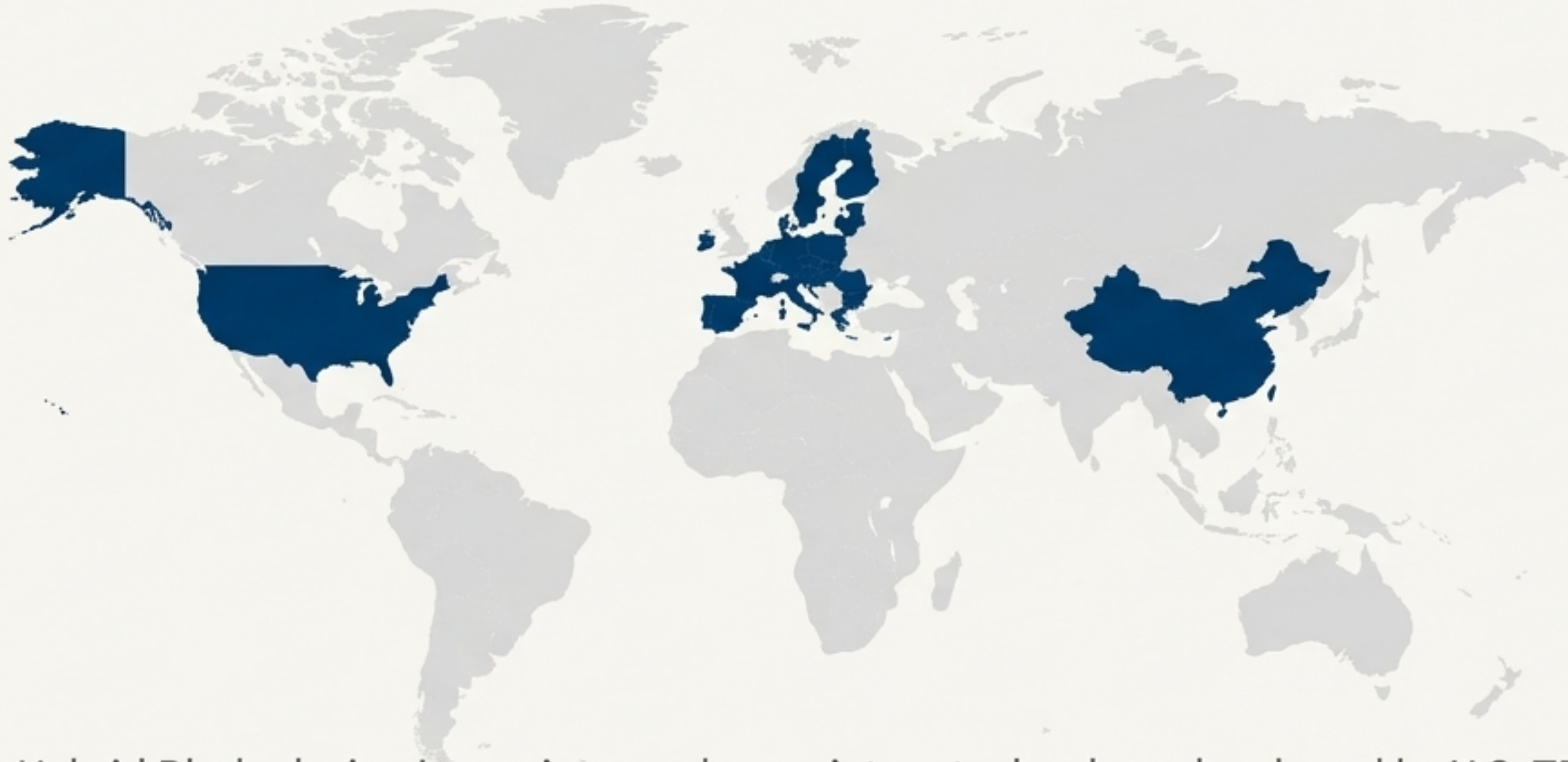
More Than a Fan. A Marketable Story.

In a saturated market, a compelling story is as valuable as performance. The “Tai Chi of Airflow” is an intuitive, premium, and memorable concept. It provides a rich narrative for marketing campaigns, product packaging, and reviews, allowing partners to differentiate their offerings and capture the imagination of enthusiasts.

- ✓ Instantly communicates innovation and thoughtful design.
- ✓ Justifies a premium market position.
- ✓ Easy for reviewers and influencers to explain and showcase.



A Patented and Protected Global Innovation



The Hybrid Blade design is a unique and proprietary technology developed by Y.S. TECH. To protect our innovation and our partners' investment, the design is secured by patents across key global markets.

USA • EU • China • Taiwan