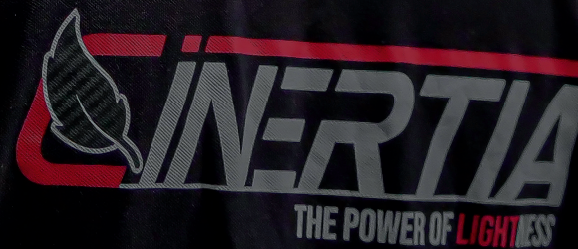


REVOLUTIONI ZING MOBILITY

CUTTING-EDGE CARBON FIBER WHEELS



ABOUT US



ABOUT C-INERTIA

Based in Aix-en-Provence, France, C-INERTIA has established itself as a leader in the design and manufacture of carbon fiber wheels. Initially focused on the motorcycle sector, the company has expanded its expertise into the automotive market, leveraging its patented processes to produce lightweight, high-performance wheels at competitive costs.

With its focus on innovation, sustainability, and quality, C-INERTIA is committed to setting new standards in the mobility industry, providing advanced solutions that enhance performance and promote a greener future.



C-INERTIA

LEADING THE FUTURE OF MOBILITY WITH CARBON FIBER

VALUE PROPOSITION

At C-INERTIA, we are redefining the future of carbon fiber technology with our disruptive, patented industrial process, which allows us to produce high-performance carbon fiber wheels at a price point never seen before in the industry.



PRODUCTS



THE POWER OF CARBON FIBER

LIGHTER, STRONGER, FASTER.

CARBON FIBER TECHNOLOGY

Utilization of advanced carbon fiber composites results in superior strength-to-weight ratios, enhancing vehicular dynamics without compromising structural integrity.

PERFORMANCE ADVANTAGES

The integration of carbon fiber wheels significantly enhances vehicle agility and response times, revolutionizing both everyday driving and competitive racing.

WIDE VEHICLE APPLICATIONS

C-INERTIA wheels are adaptable across a variety of platforms, including sports cars, electric vehicles, and even within aerospace technology.

EFFICIENCY INNOVATIONS

These wheels contribute to a marked reduction in mass, translating to improved overall efficiency in vehicle performance and fuel economy.



TECHNOLOGY



PATENTED TECHNOLOGY

BEHIND C-INERTIA'S WHEELS



100% CARBON FIBER TECHNOLOGY

Using aerospace-grade materials to create lightweight, high-performance wheels.



PATENTED DISRUPTIVE TECHNOLOGY

Innovative Resin Transfer Molding (RTM) process for unmatched durability and precision.



CERTIFIED FOR SAFETY

TÜV-tested for track and road, ensuring maximum safety and reliability.

TECHNOLOGY



PATENTED TECHNOLOGY BEHIND C-INERTIA'S WHEELS

RTM PROCESS



Our patented RTM process optimizes carbon fiber layering for maximum strength and precision.

AEROSPACE-GRADE MATERIALS



Our carbon wheels, made from aerospace-grade fibers, deliver lightweight, high-performance results. Each wheel is numbered for full traceability, ensuring precision and quality.

PROVEN DURABILITY



Extensive testing ensures the wheels meet international standards for handling, agility, performance and durability.

At the core of C-INERTIA's innovation is our **Resin Transfer Molding (RTM) technology**, a process that creates high-strength, lightweight carbon fiber wheels.

By using aerospace-grade materials, we ensure top-tier reactivity and performance while keeping the wheels incredibly light. Rigorous testing guarantees that these wheels meet the highest standards of durability and precision.



MOTORCYCLE

OUR WHEELS

**MAXIMIZED AGILITY, MINIMAL WEIGHT:
THE C-INERTIA ADVANTAGE.**



UNSPRUNG MASS REDUCTION

The decrease in unsprung components enhances suspension performance, resulting in improved ride quality and better contact with road surfaces.



PERFORMANCE GAINS

The overall reduction in mass translates into better lap times and a more responsive driving experience, whether on the track or in daily driving. So, you can drive more safely.



EFFECTS ON ROTATIONAL MASS

Lower rotational mass leads to decreased inertia, allowing quicker acceleration and deceleration, with tangible gains in responsiveness and efficiency on the road, day after day.



EFFICIENCY IMPROVEMENTS

Lightweight wheels contribute to improved fuel economy and lower energy consumption, making vehicles more sustainable without sacrificing performance.



KEY ADVANTAGES



LIGHTWEIGHT CONSTRUCTION

Up to 50% lighter than traditional alloy wheels for improved agility and handling.



INERTIA REDUCTION

The lightweight design of COMET carbon wheels reduces inertia, allowing for improved reactivity and sharper braking responses.



IMPROVED HANDLING

Lighter wheels require less force to move, enhancing responsiveness during acceleration and deceleration, crucial for everyday driving to improve anticipation and reaction to danger.



REDUCED STOPPING TIMES

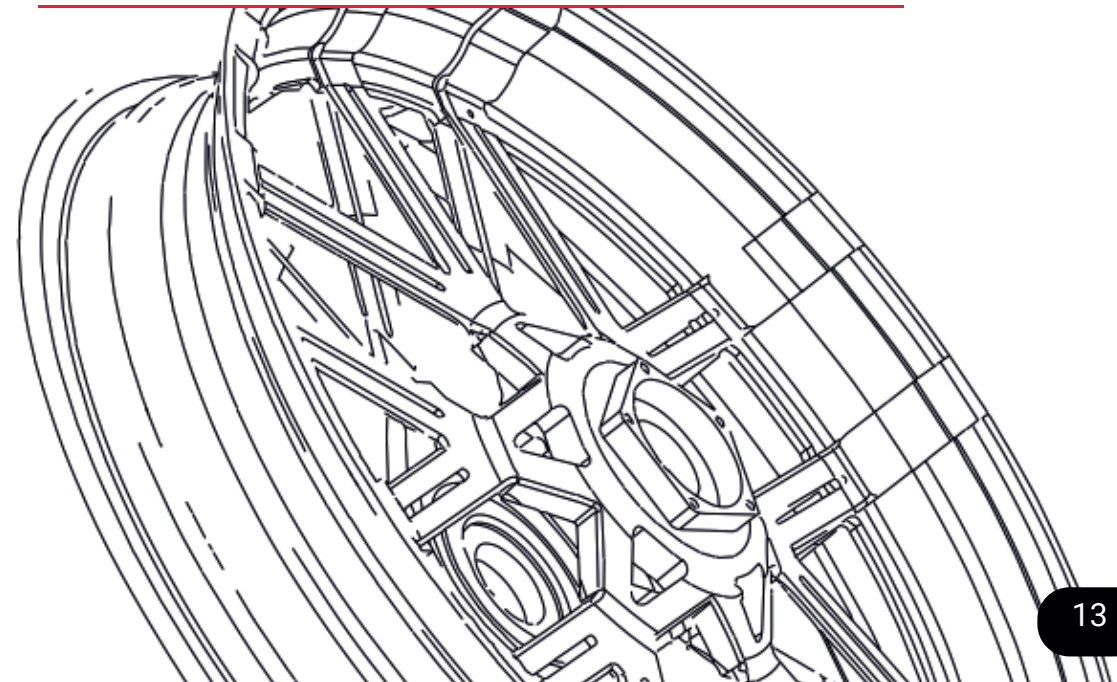
The combination of lower mass and better heat dissipation leads to shorter stopping distances, significantly improving safety.

100% CARBON FIBER FOR OPTIMIZED SAFETY

The COMET series represents the peak of carbon fiber innovation, offering up to 50% lighter wheels compared to traditional alloys.

This reduction in weight improves acceleration, handling, and fuel efficiency. Each wheel is TÜV for safety and performance, making them ideal for both road and track use.

Customers can also personalize their wheels with a variety of color and finish options to match their style.





**QUALITY
SECURITY**



RIGOROUS TESTING FOR MAXIMUM SAFETY

IMPACT AND LOAD TESTING



Extensive testing for strength and durability under extreme conditions.

LONG-TERM RELIABILITY



Engineered to maintain performance and safety over time.

TÜV SUD



Tested for road use and track, ensuring maximum safety and reliability.

At C-INERTIA, safety is our top priority. Our COMET series wheels are TÜV, passing stringent safety standards for both road and track use.

The wheels undergo rigorous testing, including impact and load assessments, to ensure they withstand extreme conditions. Engineered for long-term reliability, you can trust C-INERTIA to deliver consistent performance, year after year.

COMPARISON WITH TRADITIONAL ALUMINIUM WHEELS



PERFORMANCE METRICS

C-INERTIA wheels outperform aluminium counterparts in acceleration, braking, and handling, leading to superior driving experiences.



MATERIAL DIFFERENCES

Distinct differences in material properties between carbon fiber and aluminium result in differing performance, weight, and durability characteristics.



ADHERENCE TO INDUSTRY STANDARDS

C-INERTIA wheels meet or exceed existing industry standards for safety and performance, positioning them as a viable alternative.



COST-BENEFIT ANALYSIS

While initial investment may be higher for carbon fiber, long-term performance advantages and reduced wear costs offset these costs over time.

PRODUCTION



INDUSTRIAL

SCALE PRODUCTION WITH PATENTED TECHNOLOGY

C-INERTIA operates with a patented manufacturing process that ensures high-volume production capacity, allowing us to deliver significant quantities of carbon fiber wheels at an accelerated pace while maintaining rigorous quality standards. This innovative technology enables us to:



Rapid production timelines, ensuring quick delivery for high-demand orders.



Scalability, with the capability to produce significant quantities to meet large-scale OEM demands.



Consistency in quality through advanced automation and precision engineering.

Our production process is designed to support OEM partnerships, providing tailored solutions to meet specific technical requirements. The combination of speed, reliability, and cost-efficiency positions C-INERTIA as an ideal partner for large-scale industrial production.

We also have an in-house testing laboratory, equipped with multiple test benches, allowing us to conduct comprehensive development and performance tests. This capability ensures that our products meet the highest safety and quality standards, giving OEMs full confidence in the reliability and seriousness of our company.



C-INERTIA offers a dedicated range of carbon fiber wheels for the automotive industry, designed to deliver weight reduction, enhanced performance, and improved fuel efficiency, meeting the highest standards of safety and reliability.

AUTOMOTIVE



CARBON WHEELS FOR AUTOMOTIVE

ONE OF THE KEY EQUIPMENTS FOR THE FUTURE

KEY FEATURES & BENEFITS

NEVER-SEEN PRICE

Starting at \$950, our carbon wheels offer groundbreaking affordability for OEMs.

50% WEIGHT REDUCTION

Experience improved acceleration, handling, and braking performance with wheels that are half the weight of traditional aluminum.

DURABILITY & STRENGTH

Despite their lightness, our wheels are engineered to withstand extreme conditions and provide long-lasting durability.

OPTIMIZED FOR EVS

Extend battery life and range with wheels designed to maximize energy efficiency in electric vehicles.

PRECISION ENGINEERING

Made in France using patented carbon fiber technology, combining innovation with the highest standards of production.



APPLICATIONS

Our carbon fiber wheels are perfect for:



PERFORMANCE VEHICLES

Improve acceleration and handling in high-performance cars.



ELECTRIC VEHICLES (EVs)

Maximize range and energy efficiency, crucial for the future of sustainable mobility.



LUXURY & PREMIUM VEHICLES

Enhance efficiency while maintaining a sleek, modern aesthetic.



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