



STRONG
LIGHT
BEAUTIFUL



SINCE 1978



"One-Stop Shop for Serial Production of Strong, Light and Beautiful Composite Products"

COBRA was founded in Thailand in the late 1970s by Vorapant Chotikapanich. Beginning as a windsurfing board manufacturer, the company entered OEM production in 1987 and expanded into composite sandwich watersports equipment. By 1999, COBRA held over 50% global windsurfing market share.



Strong, Light and Beautiful composites are at the heart of what COBRA does. The company serves global markets including Watersports, Marine, Automotive, Drone, Architectural, and Luxury Goods.

Through its One-Stop Shop approach, COBRA delivers an integrated range of capabilities—from design and development, prototyping, and mold making to serial production of composite parts, supported by plastic injection, accessories, and worldwide logistics.

PROFILE

Established Location	1978	Amata City Chonburi Industrial Estate, Thailand
Employees	Over 2,500	
Production area	100,000 sq.m.	
Solar Rooftop	4 MWp	
Certification	ISO 9001	IATF 16949
	ISO 14001	ISO 50001
	ISO 45001	SA 8000

Key Highlights

- Dedicated expert team, many with 20+ years at COBRA
- Strategic location 50 km from major airport and seaport
- Best-in-class automotive CFRP production line
- Proven performance in Olympic-class projects including Nacra 17, RS-X and iQ Foil
- Integrated sustainability strategy with bio-based solutions and 4 MWp solar supplying >60% of energy demand

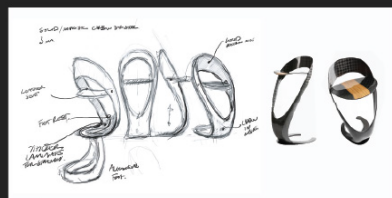


DESIGN & DEVELOPMENT CENTER

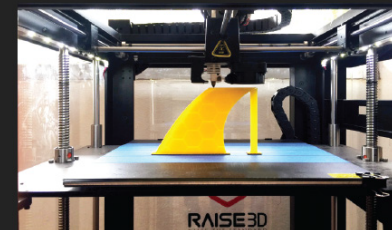
From concept to production — under one roof Established in 2015 and fully integrated with the shop floor, COBRA's D&D Center guides customers from early concept through to mass production launch — compressing timelines and eliminating handoff risk.

Services Include:

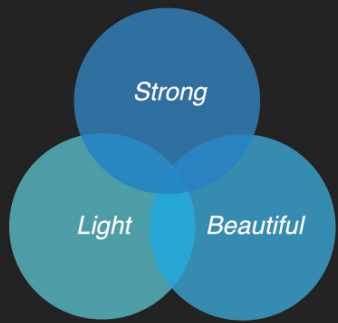
- Product design and development
- Rapid prototyping and testing
- Manufacturing processes, tooling materials, and packaging design and development
- Seamless transfer from development to mass production



SHAPE YOUR DREAMS



Luxury products naturally reflect COBRA's values of Strong, Light, and Beautiful. Developed in collaboration with a renowned industrial designer, the Cobra stool showcases COBRA's expertise, with its ultra-slim, flowing form made possible only by carbon composite materials.



"One-Stop Shop for Serial Production of Strong, Light and Beautiful Composite Products"

COBRA prides itself on manufacturing composite products that have excited millions of people worldwide and set the reference point for quality in every market.

PEOPLE

COBRA's competitive advantage lies in its people. Our experienced management team and long-tenured specialists bring deep expertise across composites, craftsmanship, and industrial engineering — ensuring consistent execution from concept to mass production.

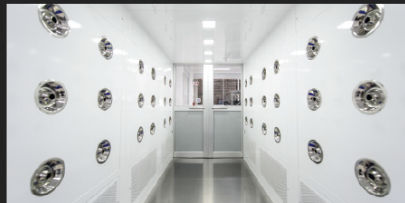


FACILITY

COBRA operates state-of-the-art manufacturing facilities with advanced production technologies and deep material expertise.

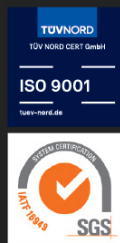
Continuous investment in automation and capacity enables seamless integration of design, prototyping, testing, and serial production.

Recent investments include robotic painting and gluing systems to improve precision and repeatability, next-generation 3D scanning with non-contact measurement, and expanded in-house metal mold manufacturing — enhancing speed, flexibility, and vertical integration.



QUALITY SYSTEM

Traceability, process control, and continuous improvement are embedded across all operations. COBRA is certified to ISO 9001 (Quality Management) and IATF 16949 (Automotive Quality), ensuring consistent quality, compliance, and responsible operations across every market.



DESIGN TO DELIVERY

COBRA's one-stop shop model integrates product design, prototyping, tooling, and serial manufacturing across a wide range of composite materials and processes — delivering complete, end-to-end solutions from a single source.

Composites Technologies

- Prepreg Autoclave
- Compression Molding
- RTM, Lite RTM, RIM
- Infusion
- Wet Layup
- Sandwich Core
- Epoxy Foaming

Finishing Technologies

- Thermoforming
- Decal
- Design Films
- Screen Printing
- Paint Coating
- Surface Polishing

Prototype and Master

- 3D Printing
- Rapid Prototyping
- Master
- Glass Fiber
- High Density PU and Epoxy
- Aluminium or Steel

Tooling Technologies

- Tooling Engineering
- CAD Design
- Tolerance Investigation
- Certified Supplier

Layup Molds

- Glass Fiber
- Prepreg Carbon Fiber
- Hybrid Molds
- Aluminium or Steel

Jigs

- Trimming
- Gluing
- Sanding
- Painting
- Control Fixture
- CMM

Machining Part

- Aluminium
- Titanium
- G10





WATER SPORTS

Where it all began

COBRA's roots are in watersports, and it remains our core business. From windsurf to surfboard, SUP, wingfoil, and E-foil, COBRA supplies boards, hydrofoil systems, fins, and accessories to the world's leading brands. Skilled craftsmanship, proprietary technologies, and large-scale serial production have earned COBRA a reputation for consistency and quality — with many brands sourcing exclusively from COBRA for decades.

AUTOMOTIVE

Carbon components for premium programs

Building on over 40 years of composites expertise and craftsmanship — with prepreg parts dating back to the 1990s — COBRA entered the automotive market in 2005 and has grown into a trusted supplier for premium programs in Germany, Italy, the UK, and Japan. A dedicated finishing line with robotic painting and gluing delivers the precision and repeatability that premium automotive programs demand, across interior, exterior, and powertrain applications.



MARINE

Lightweight strength on the water

COBRA's marine offer goes well beyond hulls and structural components — from Olympic-class racing boats to high-performance power craft, where quality, strength, and consistency are non-negotiable. As a true one-stop shop, COBRA also delivers sails, covers, and soft goods alongside complete vessels, allowing marine customers to consolidate their entire supply chain with a single experienced partner.



DRONES & UAV

Precision composites for the industry of the future

Scaling composite airframe production is one of the biggest manufacturing challenges drone and UAV companies face. While their teams master aerodynamics, software, and payload systems, consistent and lightweight composite hardware requires a different kind of expertise. COBRA offers drone innovators a reliable, scalable solution across fixed-wing, multirotor, and VTOL platforms — from first prototype to full serial production.



Our Commitment

Sustainability has been embedded in COBRA's operations since 2007 and forms an integral part of our long-term strategy. Our approach spans social responsibility, workplace standards, environmental performance, energy efficiency, and sustainable product development.

Management Systems:

- SA 8000 Social Accountability
- ISO 14001 Environmental Management
- ISO 45001 Occupational Health & Safety
- ISO 50001 Energy Management

These certifications ensure responsible labor practices, safe working conditions, measurable environmental performance, and continuous improvement across all facilities.



Sustainability has been part of COBRA's Code of Conduct since 2007, forming an integral part of our long-term strategy. A 4 MWp rooftop solar installation supplies more than 60% of total energy demand, 5,400 sq.m. of green area and 2,200+ trees support biodiversity, and COBRA's "Green Factory" concept drives continuous improvement in energy efficiency, water use, emissions, and waste reduction.

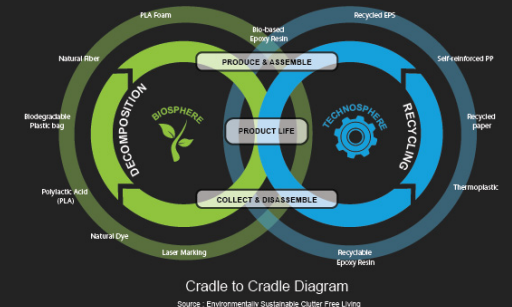
Innovation Award



JEC Composites Innovation Awards

- 2009 – Cellulose Fiber Reinforced Surfboards
- 2020 – Closed-Loop Recyclable Epoxy System (Recyclamine®)
- 2025 – Stylish and Recyclable Carbon Fiber Furniture
- 2026 – BMW M Natural Fibre Composites project (COBRA as a partner)

These recognitions reflect COBRA's long-term commitment to collaborative innovation, sustainable material development, and scalable industrial solutions.



Coconut Fiber Board Cork Core Board Flax Fabric Board Banana Fiber Board

Bio-based Surfboard

Inspired by Cradle-to-Cradle design philosophy, COBRA continuously explores how materials, processes, and end-of-life strategies can be improved across its product portfolio.

In surfboards — one of COBRA's most innovative sustainability testbeds — this thinking has driven real, tangible progress more than fifteen years of continuous development. Natural coconut fiber construction, introduced into mass production as early as 2011, produces boards that are lighter, stronger, and more sustainably sourced. Bio-based epoxy systems, natural reinforcements including flax fiber, and lightweight core materials such as cork and paulownia wood have since been progressively integrated. More recently, COBRA has explored recyclable resin systems and upcycling of its own production waste — steps toward closing the material loop in composite manufacturing that are now informing COBRA's approach across other product categories.



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