



Aeronest Cilca

AERONEST CILCA PRIVATE LIMITED

Sign of quality service...!



PRECISION AGRICULTURE THROUGH INTELLIGENT DRONE TECHNOLOGY



AGRICULTURE
DRONE SYSTEMS



SMART
BATTERY
SOLUTIONS



CHARGING
SOLUTIONS



TECHNICAL
SUPPORT



TRAINING &
SERVICES



www.aeronestcilca.com



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MADE FOR INDIAN AGRICULTURE

01

ABOUT US

Aeronest Cilca Private Limited, established in **2023**, is committed to advancing India's drone ecosystem through innovation, quality, and field-focused solutions.

We specialize in the design, development, and deployment of high-performance drones for agriculture, education, and industrial applications.

With a focus on reliability, affordability, and real-world performance, our drones and smart systems are built to empower farmers, institutions, and businesses to embrace modern technology and achieve better results.



OUR VISION

To revolutionize the drone industry by developing **100% in-house drone technologies**, fostering innovation, and contributing to the nation's technological self-reliance.



OUR MISSION

To design, develop, and deploy **reliable, high-performance drones** for agriculture, education, and industrial applications while nurturing a skilled ecosystem of drone engineers and pilots.



ESTABLISHED IN
2023



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Bengaluru, Karnataka - 560092

WHY CHOOSE AERONEST CILCA?



QUALITY COMPONENTS

We use carefully selected high-quality components to deliver reliable, durable and high-performance drones.



AGRICULTURE FOCUSED SOLUTIONS

Our drones are purpose-built for agriculture with advanced spraying systems that improve efficiency and productivity.



TECHNICAL SUPPORT

Dedicated technical support for installation, troubleshooting, maintenance, and smooth operations whenever you need it.



TRAINING PROGRAMS

Comprehensive training on drone operation, agriculture spraying techniques, maintenance, and troubleshooting by experienced experts.



CUSTOM DRONE DEVELOPMENT

Customized solutions including different tank capacities, special spray systems, custom batteries, and drone configurations to match your unique requirements.



AFTER-SALES SUPPORT

Installation support, pilot guidance, phone support, spare parts availability, and field support for complete peace of mind.



QUALITY ASSURANCE

Every drone goes through component testing, quality inspection, performance validation, flight testing, and field demonstration before delivery.



ASSEMBLED & SUPPORTED IN INDIA

Proudly assembled and supported in India, ensuring faster service, local expertise, and dependable customer support.



OUR VISION

Empowering modern agriculture through reliable drone technology, innovation, and customer-focused solutions.

PRODUCT PORTFOLIO

Complete Solutions for Modern Agriculture



**AGRICULTURAL
DRONE
SYSTEMS**



**SMART
BATTERY
SERIES**



**CHARGING
SOLUTIONS**



**ACCESSORIES &
COMPONENTS**



**TRAINING &
SERVICES**



AGRICULTURE DRONE SERIES

Efficient. Reliable. Powerful.

QUAD SERIES



Bhumitr Q10

 **10L** Capacity



Bhumitr Q16

 **16L** Capacity



Bhumitr Q20

 **20L** Capacity

HEXA SERIES



Bhumitr H10

 **10L** Capacity



Bhumitr H16

 **16L** Capacity



Bhumitr H20

 **20L** Capacity



Advanced drone technology
for smarter farming and
higher productivity.

BHUMITR Q16

Precision Agriculture Drone

*Compact, Efficient, and Reliable
Precision Agriculture Drone*

The Bhumitr Q16 is designed to deliver efficient and precise spraying operations for modern agriculture. With advanced flight control, intelligent spraying technology, and reliable GNSS navigation, it enables farmers to achieve higher productivity while reducing operational costs and chemical wastage.



KEY FEATURES



Obstacle
Avoidance



Auto
Route Planning



One-Key
Takeoff/Landing



Smart
Spraying System



Return-to-Home
Function



Low Battery
Protection



Foldable
Design



Real-Time
Monitoring

KEY SPECIFICATIONS

	Tank Capacity	16 Litres
	Spray Width	Up to 4 m
	Coverage	10 – 12 Acres/Hour
	Flight Time	Up to 13 Minutes
	Empty Weight	20 kg
	Maximum Takeoff Weight	37 kg
	Battery Type	Li-ion SSD
	Battery Capacity	27000 mAh
	Charging Time	Approximately 45 Minutes
	Navigation	GNSS
	Terrain Following	Available



BHUMITR H10

Precision Agriculture Drone

*Compact, Efficient, and Reliable
Precision Agriculture Drone*

The Bhumitr H10 (Hexa) is an advanced 8-motor agriculture drone built for stability, safety and efficient spraying. With intelligent features and robust performance, it ensures consistent results across all types of farmland.

KEY FEATURES



KEY SPECIFICATIONS

	Tank Capacity	10 Litres
	Spray Width	Up to 5 m
	Coverage	8 – 10 Acres/Hour
	Flight Time	Up to 14 Minutes
	Empty Weight	22 kg
	Maximum Takeoff Weight	40 kg
	Battery Type	Li-ion SSD
	Battery Capacity	27000 mAh
	Charging Time	Approximately 45 Minutes
	Navigation	GNSS
	Terrain Following	Available

BHUMITR SERIES SPECIFICATIONS

Compare the Right Drone for Your Agricultural Needs

MODEL	 BHUMITR Q10	 BHUMITR H10	 BHUMITR Q16	 BHUMITR H16	 BHUMITR Q20	 BHUMITR H20
 Motor Configuration	Quad	Hexa	Quad	Hexa	Quad	Hexa
 Tank Capacity	10 L	10 L	16 L	16 L	20 L	20 L
 Spray Width	3.5 m	4 m	4 m	4 m	4.5 m	5 m
 Coverage / Hour	5 – 8 Acres	8 – 10 Acres	10 – 12 Acres	10 – 12 Acres	12 – 15 Acres	12 – 15 Acres
 Flight Time	Up to 12 Min	Up to 13 Min	Up to 13 Min	Up to 13 Min	Up to 12 Min	Up to 12 Min
 Empty Weight	14 kg	15 kg	20 kg	20 kg	22 kg	24 kg
 Maximum Takeoff Weight (MTOW)	29 kg	29 kg	37 kg	39 kg	44 kg	47 kg
 Battery Capacity	22000 mAh	22000 mAh	27000 mAh	27000 mAh	30000 mAh	30000 mAh
 Navigation	GNSS	GNSS	GNSS	GNSS	GNSS	GNSS
 Terrain Following	Yes	Yes	Yes	Yes	Yes	Yes

WHY CHOOSE THE BHUMITR SERIES?



Precision
Spraying
Technology



Intelligent
Flight
Control



GNSS
Navigation



Terrain
Following
Capability



Foldable
Design



Smart
Battery
Solutions



Easy
Maintenance



Reliable
After-Sales
Support

SMART BATTERY SOLUTIONS

Reliable Power for Every Agricultural Mission

Aeronest Cilca offers a range of high-performance battery solutions from trusted manufacturers. Designed for agricultural drones, our smart batteries deliver reliable power, fast charging, intelligent protection and long cycle life for maximum productivity in the field.

EIONIC BATTERY SERIES



AVAILABLE CAPACITIES

• 22000mAh (6S) • 27000mAh (6S) • 30000mAh (6S)

-  10C Discharge Rate
-  1C Charging Rate
-  45 – 60 Minutes Charging Time
-  Integrated Charge Cycle Tracker
-  Battery Health Monitoring
-  Long Service Life
-  Rugged & Reliable Performance



SMART INTELLIGENCE

Eionic batteries come with an in-built tracker that records charge cycles and battery usage history, enabling real-time monitoring of battery health and performance.



TATTU PRO SMART BATTERY



-  Capacity: 22000mAh
-  Voltage: 14S Smart Battery
-  Built-in BMS
-  25C Discharge Rate
-  3C Charging Rate
-  Full Charge in ~15 Minutes
-  Smart Battery Monitoring
-  High Power & High Efficiency



BEST FOR

- High productivity operations
- Continuous commercial spraying

Herewin BATTERY SERIES



AVAILABLE MODELS

• 14S 20000mAh
• 6S 22000mAh • 6S 30000mAh

-  25C Discharge Rate
-  2C Charging Rate
-  15 Minutes Charging (14S)
-  40 – 60 Minutes Charging (6S)
-  High Power Output
-  Intelligent Protection (BMS)
-  Commercial Grade Performance



BEST FOR

- Continuous commercial operations
- High performance agriculture drones

SMART BATTERY COMPARISON

BRAND	CAPACITY	VOLTAGE	DISCHARGE RATE	CHARGE RATE	CHARGING TIME	BMS / SMART FEATURES
 EIONIC	22000 / 27000 / 30000mAh	6S (22.2V)	10C	1C	45 – 60 min	In-built Tracker (Charge Cycle & Health Monitoring)
 Tattu PRO	22000mAh	14S (51.8V)	25C	3C	~15 min	Smart BMS (Real-time Monitoring & Protection)
Herewin	20000mAh	14S (51.8V)	25C	2C	~15 min	Smart BMS (Real-time Monitoring & Protection)
Herewin	22000 / 30000mAh	6S (22.2V)	25C	2C	40 – 60 min	Smart BMS (Real-time Monitoring & Protection)



High Energy Density



Intelligent Protection



Fast Charging



Long Cycle Life



Stable Performance



Field Reliable



After Sales Support



Power Solutions Engineered for Reliability,
Performance & Maximum Field Productivity

SMART CHARGING SOLUTIONS

Reliable, Fast & Intelligent Charging Systems
for Agriculture Drone Operations

Professional charging infrastructure designed to keep your drone fleet operational with minimum downtime and maximum efficiency.



PC1080 DUAL OUTPUT CHARGER

Designed for
6S Batteries

- ⚡ 1080W Total Output Power
- ✖2 Dual 20A Output Channels
- ⚡ Fast Charging Mode
- 📦 Balance Charging Mode
- 📦 Storage Charging Mode
- 🛡️ Intelligent Battery Management

COMPATIBLE BATTERIES

- Eionic 22000mAh 6S
- Eionic 27000mAh 6S
- Eionic 30000mAh 6S
- Herewin 22000mAh 6S
- Herewin 30000mAh 6S

PC3000H HIGH POWER CHARGER

Designed for
12S & 14S Batteries

- ⚡ 3000W Industrial Power
- ⚡ 60A Single Output Fast Charging
- ✖4 15A × 4 Output Standard Charging
- ⚡ Fast Charging Mode
- 📦 Balance Charging Mode
- 📦 Storage Charging Mode
- 🛡️ Intelligent Battery Management



COMPATIBLE BATTERIES

- Tattu 22000mAh 14S Smart Battery
- Herewin 20000mAh 14S Battery
- Other 12S & 14S Agriculture Drone Batteries

U6Q SMART CHARGER

Designed for
12S & 14S Batteries

- ⚡ 60A Fast Charging Capability
- ✖4 15A × 4 Output Standard Charging
- ⚡ Fast Charging Mode
- 📦 Balance Charging Mode
- 📦 Storage Charging Mode
- 🛡️ Intelligent Battery Management



COMPATIBLE BATTERIES

- Tattu 22000mAh 14S Smart Battery
- Herewin 20000mAh 14S Battery
- Other 12S & 14S Agriculture Drone Batteries

QUICK COMPARISON

CHARGER	BATTERY SUPPORT	MAX POWER	FAST CHARGING	STANDARD CHARGING	OUTPUT CONFIGURATION	BEST FOR
PC1080	6S Batteries	1080W	20A × 2	—	Dual Output	6S Agriculture Drones
PC3000H	12S & 14S Batteries	3000W	60A (Single Output)	15A × 4	Single / 4 Output	Heavy Duty Operations
U6Q	12S & 14S Batteries	3000W	60A (Single Output)	15A × 4	Single / 4 Output	Field & Commercial Use

KEY BENEFITS

- ⚡ Faster Charging Cycles
- 🔋 Intelligent Cell Balancing
- 🛡️ Battery Health Protection
- 🔋 Storage Charging Support
- 🛡️ Safe Charging Algorithms
- 🔄 Reduced Field Downtime
- 🚁 Continuous Agricultural Operations
- 🔋 Extended Battery Life



POWER YOUR OPERATIONS WITH CONFIDENCE

FAST CHARGING • SAFE OPERATION • MAXIMUM PRODUCTIVITY

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APPLICATIONS

Precision Agriculture Solutions for Diverse Farming Needs

Aeronest Cilca drones are designed to support modern farming practices across a wide range of crops and terrains, delivering efficient, accurate, and cost-effective spraying operations.



PADDY FIELDS

Efficient spraying for large-scale rice cultivation with uniform chemical distribution.



MAIZE CULTIVATION

Rapid coverage and improved crop protection across extensive farmland.



COTTON FARMS

Precision application to reduce wastage and improve pest management.



TEA PLANTATIONS

Suitable for challenging terrains and plantation environments.



HORTICULTURE CROPS

Ideal for vegetables, fruits, and high-value crops requiring targeted spraying.



PLANTATION CROPS

Effective operations in:

- ✓ Arecanut
- ✓ Coconut
- ✓ Coffee
- ✓ Sugarcane



BENEFITS OF DRONE SPRAYING



Reduced Labour Dependency



Faster Field Coverage



Uniform Spray Distribution



Improved Operator Safety



Reduced Chemical Exposure



Precision Agriculture Ready



Lower Operational Costs



Consistent Application Quality



**SMART FARMING.
BETTER RESULTS.**

Enhancing agricultural productivity through modern drone technology.

DRONE COMPONENTS & ACCESSORIES



1. FLIGHT CONTROLLER



2. MOTOR & ESC SYSTEM



3. MCF PROPELLERS



4. REMOTE CONTROLLER



5. PNEUMATIC NOZZLE



6. SPRAY PUMP



7. CENTRIFUGAL NOZZLE



8. GNSS GPS MODULE



COMPLETE DRONE HARDWARE SOLUTIONS



Genuine Components



Technical Support



Spare Parts Availability



Custom Drone Integration



Agriculture Proven Solutions



Quality Assurance



DRONE TRAINING & TECHNICAL SUPPORT

Building Skilled Drone Operators for Modern Agriculture

Aeronest Cilca provides practical training and technical support programs designed to help farmers, institutions, entrepreneurs, and service providers confidently adopt drone technology.

TRAINING PROGRAMS



BASIC DRONE OPERATION

- Flight fundamentals
- Safety procedures
- Mission planning
- Practical flying sessions



AGRICULTURE SPRAYING TECHNIQUES

- Spray calibration
- Crop-specific spraying
- Route planning
- Efficient field operations



BATTERY & CHARGING MANAGEMENT

- Battery maintenance
- Safe charging practices
- Storage procedures
- Battery health monitoring



MAINTENANCE & TROUBLESHOOTING

- Preventive maintenance
- Component inspection
- Fault diagnosis
- Operational best practices

TECHNICAL SUPPORT SERVICES



Installation Support



Pilot Guidance



Spare Parts Support



Phone Support



Field Support

WHY CHOOSE AERONEST CILCA?

- ✓ Practical Field Training
- ✓ Hands-On Drone Operations
- ✓ Agriculture-Focused Expertise
- ✓ Experienced Technical Team
- ✓ Post-Sales Support
- ✓ Real-World Deployment Experience

EMPOWERING THE NEXT GENERATION OF DRONE PROFESSIONALS

Practical Training • Technical Expertise • Field Support

QUALITY YOU CAN TRUST

Every Drone Tested. Every System Verified.

At Aeronest Cilca, every drone undergoes stringent quality checks and real-world testing to ensure complete reliability, safety, and field-ready performance.

OUR QUALITY PROCESS



Component Inspection

Verification of critical components before assembly.



System Testing

Testing of communication, navigation, power and spraying systems.



Performance Validation

Validation of drone functionality and operational readiness.



Flight Testing

Real-world flight evaluation to ensure stability and performance.



Spraying System Check

Pump, nozzle and flow system inspection and testing.



Battery & Power Check

Battery performance and charging system verification.

QUALITY COMMITMENT

- ✓ Flight Testing Before Delivery
- ✓ Quality Inspection
- ✓ Performance Validation
- ✓ Component Testing
- ✓ Field Demonstration
- ✓ Customer Orientation



ASSEMBLED & SUPPORTED IN INDIA



Reliable agriculture drone solutions backed by local technical support, training, and service.

OUR VISION



To enable smarter, safer and more efficient farming through accessible drone technology and continuous innovation.



TESTED FOR PERFORMANCE. BUILT FOR RELIABILITY.



RIGOROUS
TESTING



QUALITY
ASSURANCE



RELIABLE
PERFORMANCE



CUSTOMER
CONFIDENCE

LET'S BUILD THE FUTURE OF FARMING

We are here to support your
journey with drone technology.

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OUR SOLUTIONS



AGRICULTURE
DRONES



SMART BATTERY
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CHARGING
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DRONE
COMPONENTS



TRAINING
PROGRAMS



TECHNICAL
SUPPORT



RELIABLE
PRODUCTS



TESTED
QUALITY



EXPERT
SUPPORT



BETTER
OUTCOMES

AERONEST CILCA

PRIVATE LIMITED

Empowering Agriculture with
Innovation, Precision & Trust.

FOLLOW US



PRECISION TECHNOLOGY. BETTER YIELDS. SUSTAINABLE FUTURE.

