CUSTOMIZABLE UNMANNED HELICOPTER
LX300™
AIRTRACT

Unmanned Helicopter to Serve Agriculture
SPRAYING FASTER, GREENER, WHenever, WHEREver

FIND YOUR WAY TO DO BETTER

The LX300™ AirTract is an unmanned aerial vehicle – vertical take-off and landing (UAV-VTOL) dedicated to increasing crop productivity by performing precision agriculture. With its smart spraying system and its unique versatility, the LX300™ AirTract is a fully-customizable system that will meet your specific requirements.

With the LX300™ AirTract, you can find your way to practice better, faster and greener agriculture.

SPRAYING FASTER

Less time for work, more time for life. Aerial application with the LX300™ AirTract is up to 10 times faster than conventional ground application with a tractor. Do in a day what you are currently doing in a week!

Once programmed, the LX300™ AirTract will automatically spray your crop with unique precision, recording your spraying activities for better production management. Watch it work and enjoy life!

SPRAYING WHenever, WHEREver

The topography and the location of the fields can limit spraying activities. Sometimes the weather and/or soil conditions can also delay ground spraying activities. Those limitations and delays cause significant productivity and revenue losses.

With the LX300™ AirTract, you can now spray wherever and whenever, without limitations. Do it at the right time and get the full yield of your crops.

IMPROVE YOUR MONITORING INCREASE YOUR REVENUES

With different kinds of payload configurations, the LX300™ AirTract provides a customized solution to monitor and treat your crop with precision. You will:
- Detect first signs of plant disease faster;
- Detect first signs of pest faster;
- Monitor with precision the soil moisture;
- Quickly spray problematic crop areas;
- Find the right time to harvest.

Those advantages could increase your crop revenues by up to 10%, for a quick return on investment.

SPRAYING GREENER

Less pesticide, healthier planet: Aerial application uses up to 7 times less pesticide than conventional ground application.

The LX300™ AirTract also allows spraying pesticides only where it is needed, reducing the quantity of pesticide used for your crop, it is a new, smart way to prevent:
- Decline of bees and other insect pollinators;
- Water pollution;
- Potential human-health hazards.

The LX300™ AirTract is another way to preserve the environment – and human health – for future generations of farmers.
A RELIABLE SYSTEM FOR INDUSTRIAL NEEDS

Because farming is a business, you have to count on a reliable system with industrial capabilities.

The LX300™ AirTract is a true helicopter which can operate close to obstacles on gusty days. Designed for a 10,000 hours lifetime, this heavy-duty system offers a unique industrial UAV solution customized for farming needs.

SPRAY AT THE RIGHT PLACE

- 100% VERTICAL AIRFLOW (NO TAIL-ROTOR)
- INTEGRATED TANKS
- LIQUID PUSHED INTO CROPS
- AUTOMATED PRECISION SPRAYING

M-BARK™ TECHNOLOGY

THE UAV 3-POINT HITCH

With the LX300™ AirTract and its M-BARK™ technology, it has never been easier to embark payloads on UAVs. Like a 3-point hitch, this technology allows switching payloads in only a few minutes. You can now:

- Install and remove tank or grain container;
- Lift custom loads;
- Install an optical or thermal camera;
- Add a hooking or a LIDAR system.

The LX300 rotor airflow is purely vertical, which allows spraying pesticides right under the helicopter, where they are supposed to be.
VERSATILITY IS NOT AN OPTION

The LX300™ AirTract state-of-the-art design features a tandem-rotor configuration, known to be the most versatile type of helicopters. The LX300™ platform can lift nearly every type of payloads up to 90 kg.

Its unique cargo space can quick-connect with customized tools to offer the most versatile utility aircraft of the farming industry.

You can fit your own payload, or use one of our standard equipment.

M-BARK™ TECHNOLOGY
For maximum payload versatility

M-BARK™ PAYLOADS
TYPICAL APPLICATIONS

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<th>PAYLOADS</th>
<th>FIELD</th>
<th>SPRAY</th>
<th>HERBICIDE</th>
<th>OVER-TREES SPRAY</th>
<th>SURVEY</th>
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LX300™ AIRTRACT
TECHNICAL SPECIFICATIONS

PERFORMANCES
- Max takeoff weight: 300 kg
- Empty weight: 190 kg
- Payload weight: ≤ 90 kg
- Fuel weight: ≤ 100 kg
- Endurance: ≤ 8 hours
- Mission radius: ≤ 150 km
- Max speed: 210 km/h
- Cruise speed: 115 km/h

DIMENSIONS
- Airframe length: 2.9 m
- Airframe height: 1.5 m
- Airframe width: 1.2 m
- Rotor diameter: 2.8 m

HELICOPTER TECHNOLOGIES
- Composite blades and fuselage
- Double-hinged rotor technology
- M-BARK™ integrated tanks
- Autorotation capability

ON-BOARD SYSTEMS
- GPS/INS navigation system w/ optical camera
- Autonomous takeoff and landing system
- SECURE™ obstacle-detection system

GROUND CONTROL STATION
- User-friendly interface
- Single or dual operator mode
- Pre-program autopilot mode
- Manual override mode
- Flight-programmation software
- Compact GCS

LAFLAMME AERO INC.
136 Av. Saint-Patrick, C.P. 2025
Coleraine, Qc G0N 1B0
+1 418 423 5050
www.laflamme.aero
info@laflamme.aero

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