VERDAMACHINA

Product brochure · 2026

LINE-MARKING ROBOT FOR AIRPORTS

FJD PAINTMASTER AIRFIELD

Make every marking window count. The PaintMaster Airfield marks runways, taxiways and aprons from approved CAD drawings, with less manual setting out.

- Line width: 10-30 cm
- Pressure: up to 20 MPa
- Paint tank: 19 L
- RTK + LiDAR + vision

AT A GLANCE

One robot, two workflows.

At an airport every closure window is limited. Small errors mean repainting, wasted paint and a later reopening. The PaintMaster Airfield converts approved CAD drawings into robot paths for new markings, and verifies existing lines with the V4e Pro before you repaint.

50%+	3×	30-50%	10-30 cm
less manpower	faster workflow (up to)	shorter runway closure*	line width

What the machine does

- Marking from approved CAD
- Checking reference points with the V4e Pro
- Preview the route
- A task report after every job

Ideal for

Airports · Car parks & business sites

Taken care of, from Belgium

- Free field audit and ROI calculation
- Installation, training and service from Belgium
- Purchase or lease

FEATURES

Built for the field.

FEATURE 01

CAD

TO ROBOT PATH

New markings from CAD

Import approved CAD drawings and convert them into executable paths for runways, taxiways and aprons.

FEATURE 02

V4e Pro

REFERENCE POINTS

Verifying existing lines

Verify reference points with the V4e Pro, correct deviations on site and avoid painting over old errors.

FEATURE 03

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SAFETY LAYERS

See, position, protect

RTK for centimetre positioning, LiDAR and vision for obstacles and a bumper for physical protection in the work zone.

TECHNICAL SHEET

The specifications.

LINE WIDTH	10-30 cm
MARKING SPEED	1-4 km/h
PAINT TANK	19 L
MAX. FLOW RATE	2 L/min
MAX. PRESSURE	20 MPa
WEIGHT	210 kg
DIMENSIONS	1540 × 1215 × 980 mm
SOFTWARE UPDATES	OTA
CONNECTIVITY	4G, wireless
IP RATING	IPX4
OPERATING TEMPERATURE	5-35 °C
BATTERY	4 kWh, 48 V, fast swappable

Specifications of the underlying robot platform. Coverage and runtime are values under standard test conditions; actual results depend on terrain, turf and weather. Subject to change.

TECHNOLOGY & SAFETY

Smart, safe and autonomous.

All machines work with a digital map of your grounds, accurate positioning and an app or tablet with which you manage zones and tasks yourself.

Positioning

RTK + LiDAR + vision

This keeps the machine precisely on its planned path, run after run.

Digital map

The site is measured or scanned once, after which the machine works from that map.

App and follow-up

Start tasks and follow progress in the app or on the tablet.

Electric

Fully electric, with no emissions on site.

Service from Belgium

Installation, training and maintenance by VerdaMachina.

Free field audit

Honest advice on the right model, on your own grounds.

FROM SCAN TO RESULT

01 **Scan**
Site mapped

02 **Zones**
Boundaries and no-go zones

03 **Plan**
Tasks and times

04 **Autonomous**
The machine works

05 **Report**
Result per run

SERVICE & NEXT STEP

One Belgian point of contact.

Essential
Response within 24 hours · 1× preventive maintenance per year · remote updates

Assured
Response within 24 hours · technician next business day · 2× preventive maintenance

Carefree
Response within 24 hours · 4× preventive maintenance · wear parts included

01

Free field audit
We look at your grounds and calculate your payback period.

02

Demo or pilot
The machine at work, live, on your own field.

03

Installation & service
Scanning, training and support from Belgium.

See the FJD PaintMaster Airfield on your own field.

Book a free demo at verdamachina.be/demo or contact us directly.

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Scan to book a demo