

TEST SECTION	200x200x600mm
AIR VELOCITY	0-7m/s
POWERPLANT	4x High Flowrate Fans (200W @ 13000rpm)
CONTROLLER	Dual ESP32-S3 N8R8, 240MHz with WiFi & Bluetooth
HMI DISPLAY	7" Capacitive Touch Display
LIGHTING	Dual Programmable WS2812 LED Strips (60 leds/m)
FLOW VISULIZATION	10+ Fog Streamlines / 10 min Continuous
LOAD BALANCE	6x 300g Load Cells
PRESSURE SENSORS	2x Sensirion SDP810 (125Pa)
WING CONTROL	Stepper with 0.088° Resolution
OVERALL DIMENSIONS	1315x810x425mm

# CONTACT US

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# VTX-200



**MAKING AERODYNAMICS ACCESSIBLE**



**30 YEARS OF  
ENGINEERING  
EXCELLENCE**

## FLOW SECTION

200x200x600 mm flow section for 1:18 scale car models, or any other 3D printed test object (aircraft, wings, turbines, bluff bodies, vortex generators etc.).

## PITOT TUBE

Aerodynamically placed Pitot tube for accurate wind speed measurement. One extra pressure sensor available for differential pressure measurement in the flow field.

## FOG VANE

Horizontally moveable fog vane provides clear flow streamline visualisation exactly where you need it.

## WALL LOADCELLS

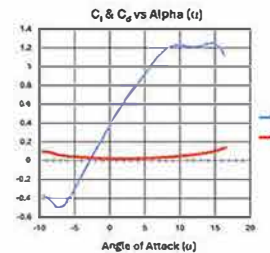
Lift and Drag load cells to accurately measure aerodynamic forces on wings and other test objects mounted to the back wall. Wing angle of attack is electronically controlled with a resolution of 0.088°.

## FLOOR LOADCELLS

Front and rear loadcells for measuring lift and drag on floor mounted objects. Suitable for measuring forces on 1:18 scale cars, or any other 3D Printed objects.

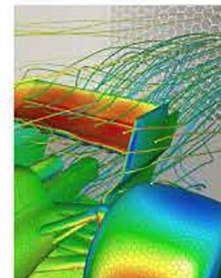
## EXPERIMENT

Setup experiments and export the data via the wireless web interface to compare to theory or CFD results.



## SIMULATE

Ready-to-run Cradle CFD sample models of the VTX-200 Windtunnel for students to compare test results with CFD.



# TECHNICAL INFORMATION

