

Professional Design & Manufacture of Inspection & Research Equipments for Education, IT, Semi-conductor, Automobile and Air-conditioner Industries



Long Win Science and Technology Corporation

Catalogue

For Flow Visualization

Professional, enthusiastic, and customized service -Technique about flow visualization

- macroscopic / microscopic
- 2-Dimensional / 3-Dimensional
- in air / in liquid, water and oil
- Seeding type: smoke, powder, dye, particle, hydrogen gas bubble
- Light source: laser sheet
- Various models for research
- Record: photo, video, and high-speed camera

Instruments



LW-9174 water tunnel

Test section: 16 (W) x 25 (H) x 75 (L) cm
Speed: 0.05 ~ 3 m/sec



LW-3457 water tunnel

Test section: 0.3 (W) x 0.4 (H) x 1.0 (L) m
Speed: 0.05 ~ 0.6 m/sec



LW-6200 wind tunnel

Test section: 200 x 200 x 800 mm
Speed: 0.5~25 m/sec



LW-9300 wind tunnel

Test section: 300 x 300 x 1000 mm
Speed: 0.5~30 m/sec



LW-9134 water tank

Tank dimension: 0.9(W) x 0.7(D) x 0.9(H) m
Particle for flow visualization: diameter 30 μ m



LW-9350 Hele-Shaw Flow

Reynold's number: 5 ~ 100
Speed: 5 ~ 80 mm/sec



LW-9356 NACA airfoil

Airfoil No.: 0XXX ~ 9XXX
Material: 6061T6 / SUS304

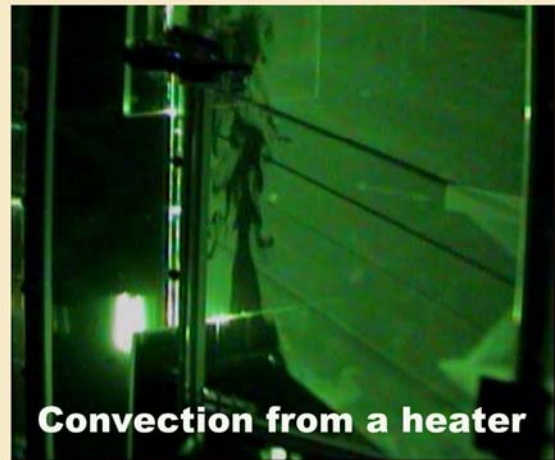
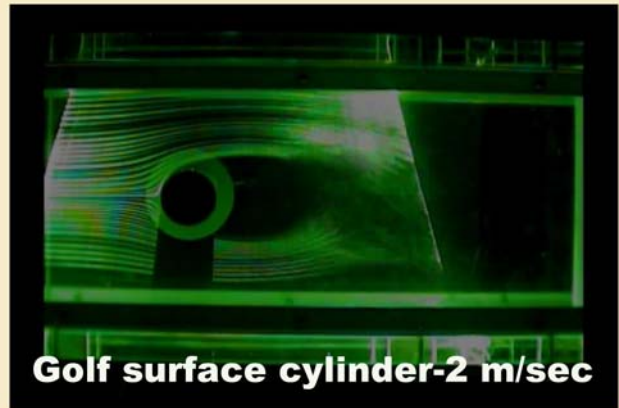
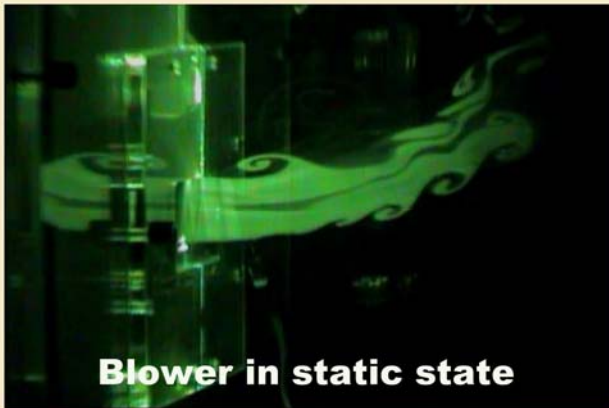


LW-9117 Laser sheet generator

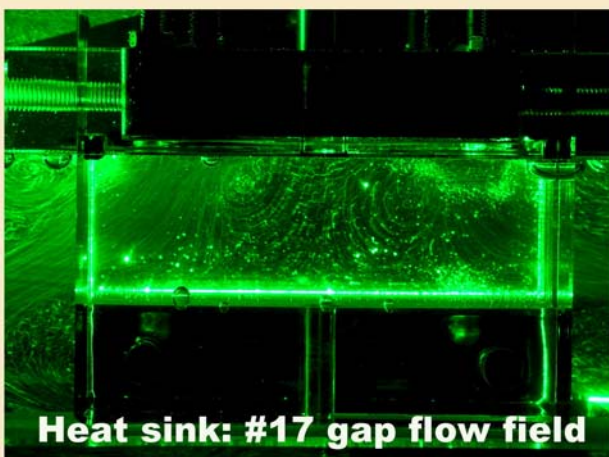
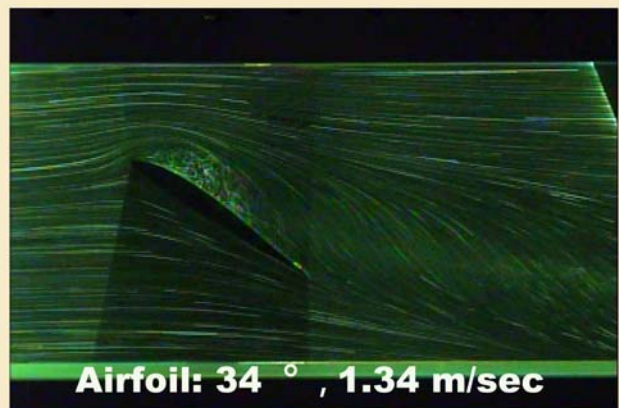
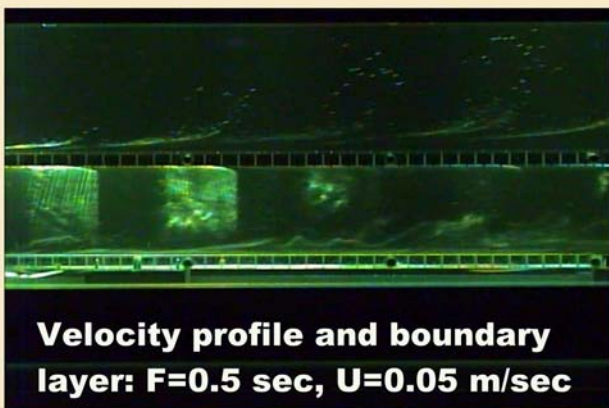
Laser beam power: 300 mW
Wavelength: green 532 nm

Applications

Flow Visualization in air



Flow Visualization in water





We own a laboratory with the area of **2000 square meters** in 2009.

Over 100 kinds of self-developing research instruments about **thermal & flow, fluid mechanics, condition test** and **solid mechanics** are demonstrated in our lab.

Welcome to visit our lab and test.

Design and Manufacture

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