



# Technology Report

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Bowles-Langley Technology, Inc.

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## **Purpose**

This document lists companies providing automated operator screening or tracking systems. These systems are designed to detect impairment from fatigue, drugs, alcohol, etc.

## **Performance Tests**

Performance tests included here use computer graphics to measure specific components of human performance (eg. reaction time, hand-eye coordination, decision making, etc.) as indicators of general impairment. Typically the operator is tested against a personal baseline.

Bowles-Langley Technology, Inc. "BLT": [BLT Testing](#)

CogState: [CogState WorkPlace](#)

PSD: [PSD](#)

## **Pupil/Eye/Head Motion Measurement Systems**

These systems measure pupil reaction time, eye motion and closures and head movement as indicators for fatigue.

Applied Science Laboratories: [ASL Eye Tracking Expertise](#)

Delphi Electronics: [Delphi](#)

Eye Dynamics: [SafetyScope](#)

LC Technologies: [LC Technologies Inc.](#)

PMI: [PMI Inc. - FIT 2000](#)

Seeing Machines: [Seeing Machines](#)

SensoMotoric: [SensoMotoric](#)

Smart Eye: [Smart Eye](#)

## **Other Available Tests**

A variety of brain testing and screening sites are available on the web. These tests are useful for early Alzheimer's detection and for other medical purposes. Some of these companies are devoted to personal brain training and improvement.

Medical sites - sample only:

BLT: [Cogolog](#)

CNS: [CNS Vital Signs](#)

Personal Brain Training - small sample only:

Cognifit: [CogniFit](#)

Posit Science: [Posit Science](#)

CognitiveLabs: [Cognitive Labs](#)

Happy Neuron: [HAPPYneuron: Brain Fitness Program](#)

Lumosity: [Brain Games & Brain Training - Lumosity](#)