

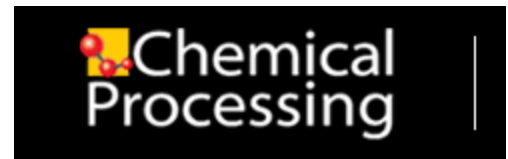
Optimize Pumping with a See-Through System

Designed to make the principles of centrifugal pumping crystal clear, either for process optimization work, for testing customer-designed impeller performance or for the student, novice engineer or researcher, PumpLab is now available. Produced by Turbine Technologies Ltd., Chetek, Wisc., (www.turbine technologies .com), the unit features a see-through flow circuit and rotameter, along with a vector drive powering a 3-hp motor, three interchangeable impeller profiles and an integrated data-acquisition system. A strobe lighting system highlights boundary layer activity in the impeller, stopping cavitation bubbles and related flow phenomena "in their tracks" so they can readily be seen. The system can be used to study pump performance curves, head/discharge curves, cavitation, flowrate/torque correlations and impeller boundary-layer conditions.



A Pump Lab demo. The unit's clear construction makes it a useful didactic tool.
Source: Turbine Technologies Inc.

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PumpLab's strobe lighting feature allows users to visualize cavitation and other flow phenomena.
Source: Turbine Technologies, Inc.