

Pump up your knowledge



The inner workings of a centrifugal pumping system are easier to grasp thanks to a new see-through unit specifically developed for educators and researchers. The PumpLab from **Turbine Technologies Ltd.**, Chetek, Wis. (www.turbine technologies.com), has a completely see-through flow circuit, an advanced vector drive powering a 3-hp motor, three interchangeable impeller profiles, and a see-through flow rotameter. Strobe lighting highlights boundary layer activity in the pump impeller, actually stopping cavitation bubbles and related flow phenomenon for firsthand viewing.

The system can help to study pump performance curves, head/discharge curves, cavitation, flow rate/torque correlations, and impeller boundary layer conditions. It also permits testing customer-designed impeller performance.

Circle 407

NAME CHANGE

MEMGen becomes Microfabrica

MEMGen, Burbank, Calif., changed its name to **Microfabrica** (www.microfabrica.com). The new name more accurately represents the company's microdevice manufacturing capabilities. The term MEMS is usually associated with microdevices based on silicon and built using semiconductor manufacturing technology. Microfabrica's devices are metal, can be built on different types of substrates, and support high aspect ratios and 3D flexibility unusual in silicon MEMS.



PARTS VERIFICATION ARRAY

Guides proper assembly sequence.

- Parts Verification Array (PVA) light screen sensors guide assemblers to the correct bins.
- PVA reduces missed parts, or parts assembled in the wrong order, for significant production cost savings.
- Simple emitter-and-receiver system requires no controller box.



- Long operating range, up to 2 m (6.5'), is compatible with most bin widths and operations.

- Easy-to-see job indicator lights eliminate miscommunication.
- Helps workers learn and maintain new assembly "pick" procedures more quickly.

1.888.3SENSOR

(1.888.373.6767)

More information on-line at:
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BANNER

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Circle 122