

**Sent:** Wednesday, February 14, 2001 12:43 PM  
**Subject:** EXPANDING YOUR BUSINESS FOCUS

Dear Aquathin Dealer On-Line;

The following article provides information regarding the increase need for ultrapure (UPW) water in the chip and fiberoptics arena. Aquathin has provided customized UPW systems for labs for many years and Aquathin UK recently completed a 12,000 gpd 18 meg closed loop system for a leading fiberoptics manufacturer. Commercial installations are growing at a nice rate and include hospital autoclaves, high pressure cutting / cleansing machinery, steam boilers. Enjoy!

Warmest regards,

FOR THE BEST TASTE IN LIFE  
Think Aquathin..AquathinK !!  
Celebrating our 21st birthday in 2001 !!!  
(visit the allnew <http://www.aquathin.com>)

"Alfie"  
Alfred J. Lipshultz, President

Industry Outlook - 2/14/01 10:52:30 AM

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## Analysts: Microelectronics is next boom industry for water treatment

LONDON — Microelectronics companies need onsite water treatment facilities that are advanced and comprehensive, according to end-user interviews conducted by analysts Frost & Sullivan.

End users of water treatment in the microelectronics industry are also indicating a growing interest in optimizing their water efficiencies by installing additional recycling processes to reduce cost pressures.

A typical water treatment plant in the microelectronics industry might include some form of chemical dosing, carbon filters, ultraviolet treatment units and membrane separation mixed beds, such as reverse osmosis units with deionization resins, according to

the analysts' report.

In the maturing European markets for both water and wastewater treatment, equipment manufacturers and suppliers will need to explore underdeveloped industrial end-user sectors, such as the microelectronics industry, according to Frost & Sullivan analysts.

In 1999, the microelectronics industry was estimated to account for more than 12 percent, or \$30 million, of the advanced industrial water and wastewater treatment equipment sales consisting of membrane separation, ion exchange, activated carbon, ozonation and ultraviolet treatment systems.

The growing emphasis on water purification in the microelectronics industry is likely to further magnify the sales of European process water treatment equipment to this sector, according to the current Frost & Sullivan analysis of industrial water treatment trends.

The report concludes that manufacturers are expected to hike their future investment in developing new equipment, fabrication facilities and onsite water treatment plants.