



# Owens Design

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## Press Release

For Immediate Release  
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### Owens Design Ships Biotech System to Aclara

*Fremont, California:* Owens Design Inc., an outsourcing company providing engineering design and manufacturing services, announced today that it has delivered a unique new high-production oligo patch deposition system developed exclusively for ACLARA BioSciences to be used in RNA and DNA analysis, proteomics, DNA sample preparation and pharmaceutical drug screening.

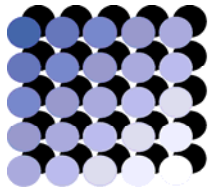
Owens Design worked closely with ACLARA to design the custom research and development tool, which automates the coating of the walls of ACLARA's 96-well pattern Plurexä microfluidic card. The company engineered the complex mechanical and microfluidic systems for the machine and developed the machine's vision registration software. Owens Design also successfully integrated commercially available microfluidic technologies to purge, clean and refill the fluid dispense apparatus.

The machine processes 10 labcards simultaneously with 10 different oligos in 45 minutes. At the heart of the system is a 4x4 array of Cartesian ceramic tips with 16 Lee valves used for depositing nanoliter drops onto the labcard products.

John Apgar, president of Owens Design, stated: "Good communication is the essential basis underlying the Owens Design business approach. Our partnership with ACLARA demonstrates how extremely complex systems and programs can be managed successfully to the benefit of all stakeholders involved in the relationship."

"Owens Design provided ACLARA with important engineering and manufacturing expertise to expedite the development of our Plurex Multiplexing System," said Dan Morrow, Vice President of Operations at ACLARA BioSciences. "We are pleased to have Owens Design as a partner."

— End —



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## **About Owens Design**

Owens Design specializes in engineering and manufacturing of capital equipment. Located in Silicon Valley for over 25 years, they have been a strategic partner in the co-creation and manufacturing process for many leading OEM capital equipment companies. Owens Design engineers and manufactures customer's products from concept, through alpha, beta, pilot and on-going production. Their development process results in a rapid design cycle and concurrent manufacturing introduction. Owens Design has and continues to be an innovative and reliable partner for equipment companies in the semiconductor, solar and related industries.