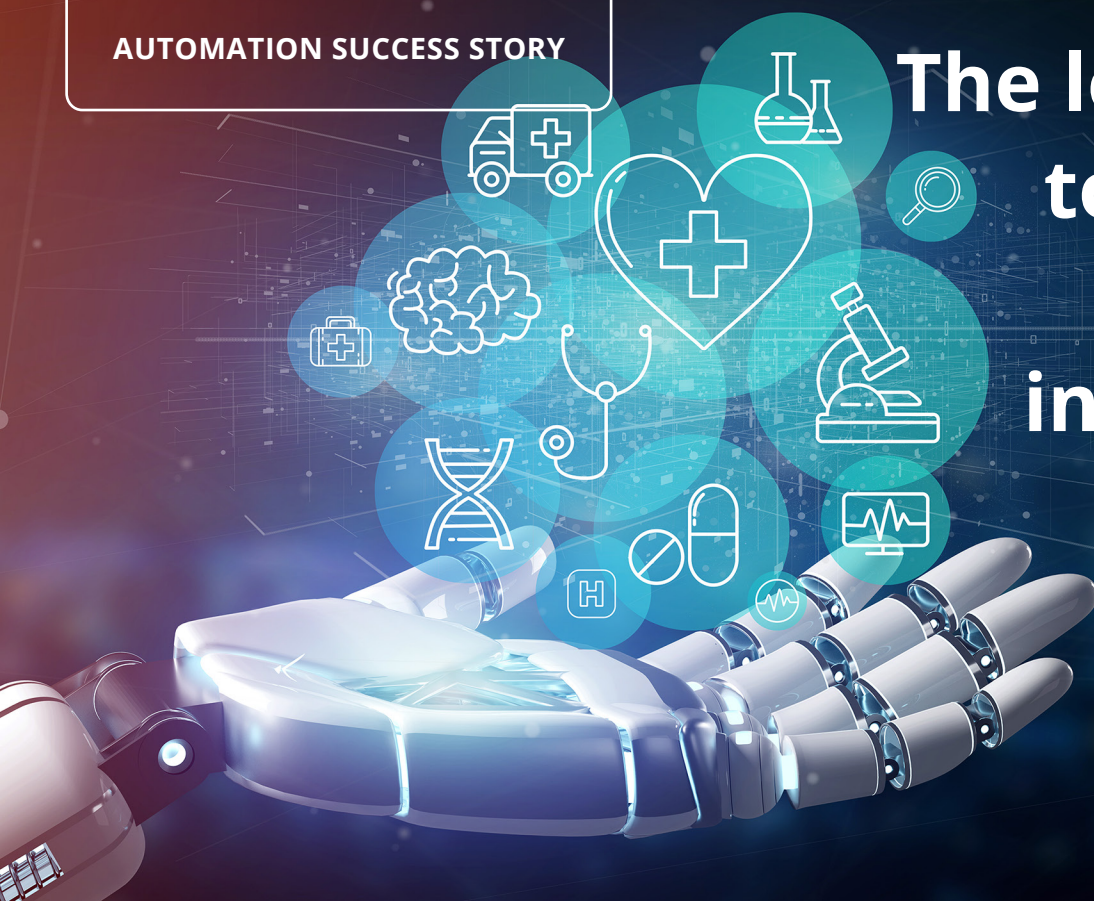


# The low-risk path to biomedical production in record time



## Automated Liquid Handling for Synthetic Biology Workflow

### Problem

A leader in microfluidic dispensing needed design and manufacturing of their next generation synthetic biology workflow platform to address modularity, flexibility, manufacturability, serviceability, and cost. A flexible design required integrating up to 100 devices from 30 different suppliers based on customer requests. The manufacturer needed a partner with experience in designing modular/expandable systems, supporting ongoing changes, and delivering turnkey manufacturing for highly customized configurations.

### Solution

- Developed a modular platform to accommodate multiple configurations and the large suite of required devices
- Designed the system to include an environmentally controlled primary cabin, single or dual robot handling options, and module alignment within microns of accuracy allowing for ease of robot teaching
- Worked with the customer's internal teams to rapidly evaluate cost and custom design configurations
- Managed all materials and provided turnkey manufacturing, with all FATs completed at Owens Design



### About Owens Design

From startups to Fortune 500 manufacturers, you can minimize risk, accelerate time-to-market, and scale high-tech production with custom design, build and turnkey manufacturing from Owens Design. OEMs meet impossible customer demands with production-ready prototypes designed and built with Owens Design. Manufacturers rapidly scale production of new products with custom automation developed by Owens. Since 1983, Owens has designed and built thousands of tools with 100% delivery, through highly experienced engineers, a proven product development process and customer commitment. Owens Design has deep expertise in semiconductors, biomedical, renewable energy, batteries, displays, and emerging technologies.



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