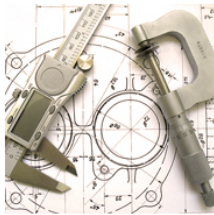


## FWS PROVIDED SUPPORT SERVICES FOR PRODUCT DESIGN & DEVELOPMENT



### Client Profile

The client is a leading restaurant owner based in North America and has multiple restaurants that carry his name. The client is renowned for innovative gourmet cuisine and is constantly searching for new ways to prepare and serve food.

### Client Requirements and Challenges

The client wanted to develop a prototype for a patty maker that would replace the time-consuming and uneven hand mixing process. The product needed to adhere to local and international standards for quality and safety. When completed, the patty maker prototype needed to involve a functional mechanical design and be production-ready for retail marketing to the public as well as in-house use.

The project involved two primary challenges -

- + Needed to use hand-drawn images to develop CAD drawings
- + Producing a workable design that met detailed requirements

### FWS' Solution

After carefully analyzing the client requirement and the project challenges, the Flatworld Solutions mechanical design and development specialists developed this solution -

- + The team included an account manager, quality analyst, and two designers
- + Team members developed a systematic review and communication process to ensure that the original concept was fully understood and then accurately reflected in each step of the design process
- + The initial stage included a thorough review of product options and functions for client approval before proceeding with the design process
- + The design and CAD drawing stage involved multiple iterations during a 24-week period
- + Product testing involved functionality as well as risk analysis to evaluate load and power issues
- + A final prototype was designed and built

### Final Results - Built a Working Product Prototype and Tested It for Over 24 Weeks

The client was highly satisfied - the Flatworld Solutions (FWS) team is now working with the client to enhance the product by adding more functions. This project illustrates a common business scenario involving the challenge of moving quickly from an idea expressed in a hand-drawn sketch to a working prototype that is ready for mass production.

### Choose Flatworld Solutions for Cost-effective Product Design Support Services

FWS is an ISO certified global provider of outsourcing services with two decades of advanced [mechanical engineering](#) experience - this facilitates our ability to help clients meet international engineering and manufacturing standards. The FWS mechanical design team operates on a 24/6 schedule that facilitates quick turnarounds. We offer high-quality services and [cost-effective pricing](#). If you have a similar project requirement, then feel free to [share your project requirements](#) with us and we will get back to you within 24 hours!