



Medical Injection Device Assembly Machine Design

SITUATION

A leading manufacturer of machine automation contracted Sterling to design an automated system for the assembly of a medical injection device.

- This project arose during an existing ongoing partnership with the client as their engineering design support provider.
- The client was undergoing a period of peak design, and they required additional resources to complete the project within its strict deadlines.
- The client did not have enough additional seats of licensed design software to provide potential temporary staff.

STERLING SOLUTION

Because of the on-going partnership, Sterling was already familiar with the client's process and standards. This enabled Sterling to begin immediately on new designs based upon the client's concepts.

- The client would send in their concepts, and Sterling designed and detailed the individual stations of the machine which the client would in turn manufacture and integrate.
- The fully functioning machine was then installed according to schedule, and production began on the end product.

RESULTS

Sterling's engineering team was able to fill in where the client lacked resources to facilitate the completion of the project. Working together with the client, a complete medical injection assembly system was produced from concept to completion, and production of the device began on schedule.

PROJECT SNAPSHOT

- ❖ *A new assembly system was required for a medical injection device.*
- ❖ *The client did not have sufficient resources to undertake the project on their own.*
- ❖ *Sterling, as part of their on-going engineering support team, worked with the client to realize the concepts to completion and assembly of the devices began on schedule.*

SEI PROJECT#: 10416