



## CASE STUDY

**SPECIALIZED  
PROJECT &  
TECHNOLOGY  
TRANSFER  
PRECISION  
NEUROSURGICAL  
EQUIPMENT**

## AN OEM PARTNER WITH A MEDICAL QUALITY SYSTEM ALREADY IN PLACE

A human care company located in Sweden, specializing in solutions for radiology, oncology and neurosurgery, needed a new OEM manufacturing partner for extremely precise neurosurgical equipment that also required an ISO13485 quality system. With the strategy of increasing outsourcing activities throughout Asia, the company set out to search for a supplier in the region that had such a quality system, as well as extensive knowledge of medical equipment production and one that could meet the company's projected cost savings.

### HIGH PRECISION MACHINING CAPABILITIES

After engaging several potential suppliers, the human care company found that many suppliers either did not have the advanced high precision machining required for manufacturing the desired product, lacked the required medical quality system at the document level or could not provide a cost effective business model. SHL Technologies was the only supplier that met all the criteria with high-tech CNC machining and experienced personnel, the availability of necessary production capabilities, a strategic location in Taiwan, established ISO13485 quality system, excellent track record and a cost effective solution.



To ensure the same product quality, seamless production and knowledge transfer was needed. SHL Technologies worked closely with the human care company to acquire the specialized manufacturing techniques and equipment required. Technology transfer took place through numerous mutual visits that started with a product first article fabrication and approval by the customer. After approval, SHL Technologies formed a project team to receive the technology transfer and map out required capabilities and equipment for mass production. Continuous follow-up visits by engineers, QA/QC and logistics personnel created a framework of extended collaboration between the two companies.

During the earlier years of the project, the project team faced various challenges such as machining with extremely tight tolerances and maintaining machined part accuracy after surface treatment (anodizing). Thanks to SHL Technologies' manufacturing expertise, these challenges were overcome and now we continue to deliver quality product to the high standards of our customer. This precise neurosurgical equipment product has been in mass production since 2009.