

Medical Device Success Story

New Coating is Setting the Industry Standard for Medical Devices

Challenge: A medical device company had been using an in house batch coating operation (parylene) to coat their electrode array wire for their implantable devices. The parylene coating operation is not continuous and limits the amount of product produced and automation of the overall manufacturing process. They needed a coating material that was continuous and had biocompatibility that could potentially withstand >70 years of implantation.

Solution: Sandvik Palm Coast developed a coating material that was suitable from a mechanical, chemical resistance, biocompatible viewpoint. This coating had never been applied to wire in the past, so a production process needed to be developed to test the material for the application. Sandvik was able to develop a production route that included holding extremely tight tolerances and suitable for automated processing.

Result: Sandvik Palm Coast was able to develop a production route that included holding extremely tight tolerances and suitable for automated processing. This new coating is setting the Industry Standard in the implantable market.

