

## WELCOME TO LEARN MORE ABOUT OUR HELSINKI SITE!

- Marko Sivonen, Head of Helsinki Operations



Innokas Medical's production plant in Helsinki offers customers a challenging manual assembly of electronics and mechanical components, as well as final assembly and testing of finished products. The plant's areas of special expertise include e.g. precision soldering, superconductivity environment and cryogenics as well as bonding technologies and micro mechanics assembly.

Innokas' Helsinki plant is located along good traffic connections in Vallila. At Helsinki, we manufacture for example challenging diagnostics systems, e.g. magnetoencephalography (MEG) devices,

which employs very sensitive superconductive sensors that measure weak magnetic fields generated by the human brain. The measurement involves a 306-channel sensor array which operates in liquid helium. The device is used in diagnosis for planning of brain surgeries of patients suffering from e.g. intractable epilepsy. Innokas takes care of the whole manufacturing process including final assembly and testing of the system. Some of these steps take place in environmentally controlled rooms.

In addition to regular production, our Helsinki site offers prototyping, grinding and drilling, painting, continuous productivity & quality improvements as well as maintenance and calibration of production and test equipment. The Helsinki site offers also the field installation & maintenance, either at Innokas, our customer's site or even at the location of end-users. In addition to its professional production staff, the plant has its own production engineer specialized in the operations of the Helsinki plant, an NPI specialist and a purchaser. This brings flexibility to the plant's operation.



### PRODUCTION CAPABILITIES

- Floor area 1300m<sup>2</sup>
- Assembly of challenging electronics and mechanical components
  - Bonding technologies
  - Micro mechanics assembly
- Superconductivity and cryogenics capabilities
- Industrial gases and liquids
- X-ray readiness, for testing purposes and manufacturing
- Precision soldering
- Environmentally controlled room manufacturing
- Painting room and tools
- Grinding and drilling
- Final assembly and testing
- Field installation & maintenance
- Maintenance and calibration of production and test equipment

### PRODUCTION TECHNOLOGIES

- Aluminum Wire Bonder
- Soft Bonder
- Vacuum pumping devices
- Grinding and drilling machines
- Environmentally controlled room
- Magnetic testing device for critical components
- Diverse customer- and product-specific testing systems
- Shielded room for testing x-ray devices

### TESTING CAPABILITIES

- NPI specialist and a purchaser
- Material management and procurement
- Supplier network management
- Logistical solutions from our buffer stocks to you, your customers, and your end-users

### SOURCING, PURCHASING, LOGISTICS

- Sourcing and purchasing department
- Material management and procurement
- Supplier network management
- Logistical solutions from our buffer stocks to you, your customers, and your end-users

### CERTIFICATIONS AND REGISTRATIONS

- FDA
- ISO 13485:2016
- Canada ISO
- ANSI/ESD S20/20
- ISO 14644-1:2015 Cleanrooms
- IPC-A-610
- IPC-7711/7721
- IPC-A-620