



SANMINA

PCBA & System Assembly

**Medical
Manufacturing in a
Safer, Lower-risk
Environment**



Fermoy, Ireland

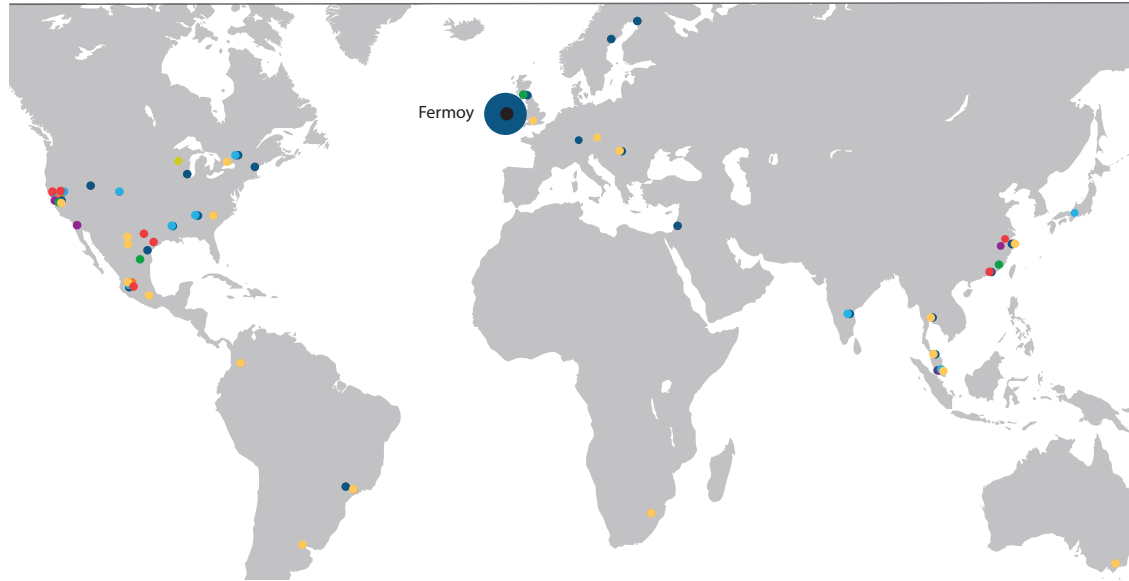


Manufacturing for the medical industry demands precision and the highest quality standards. With 30 years of medical industry experience, Sanmina provides a comprehensive suite of medical product services with an extensive offering of integrated manufacturing solutions for the entire product life

cycle. Our Fermoy, Ireland, facility is FDA registered and certified to ISO 13485 for the manufacture of high-quality PCBAs, subassemblies and complete devices up to and including Class III medical devices. Sanmina Fermoy's core specialization is manufacturing automation.

We provide services for the entire product lifecycle from New Product Introduction (NPI), prototyping and process validation to complex volume manufacturing & test, shipping and repair. We create a state-of-the-art environment for manufacturing medical and other high-quality devices. The facility has a track record of 30 years of outstanding operational performance and customer service, backed by a highly experienced workforce.

Sanmina Worldwide



Manufacturing Capabilities

- Medical PCBA & Finished Product Assembly & Test
- Single and Double-Sided Intrusive Reflow with Nitrogen Capability
- Selective and PTH Soldering
- Leaded and RoHS Compliant Processes
- Glue Printing
- 2D and 3D Solder Paste Inspection
- Press-Fit Technology
- No-Clean/Water-Wash Processes
- BGA/QFN Placement and Repair
- Three ISO Class 8 Cleanrooms
- Component Traceability
- High Volume Automation
- Robotic Aided Assembly
- Medical Process Validation
- Microbiology Laboratory on Site

Engineering Capabilities

- NPI/Prototyping
- DFX Support Capabilities
- Process and Test Development
- DMR & ECO Management
- BOM & AVL Services
- Component Selection/Qualification
- RoHS Compliance Certification

Testing Capabilities

- Flying Probe, X-Ray, Automated Optical Inspection (AOI)
- In-Circuit Test
- Functional Test, Boundary Scan

Technologies

- Multiple PCB Surface Finishes
- Chip On Board (COB) & Wirebond
- Laser Marking, Laser Welding
- Heat Staking

Certifications

- FDA Registered
- ISO 13485
- ISO 9001, ISO 14001
- RDC 16:2013 – Brazil's Regulatory Agency [Anvisa]
- TL 9000-H R4.0/4.0

Logistics Services

- Build-to-Order (BTO)
- Configure-to-Order (CTO)
- Direct Ship
- RMA Management

- **CABLES**
 - Zhangpu, CN
 - Monterrey, MX
 - Port Glasgow, UK
 - San Jose, CA

- **GLOBAL SERVICES**
 - Bogota, CO
 - Brno, CZ
 - Buenos Aires, AR
 - El Paso, TX
 - Guadalajara, MX
 - Johannesburg, ZA
 - Penang, MY
 - Tatabánya, HU
 - Thailand, TH
 - Juarez, MX
 - Markham, ON
 - Melbourne, AU
 - Mexico City, MX
 - Sao Paulo, BR
 - Basingstoke, UK
 - Kunshan, CN
 - Singapore, SG
 - San Jose, CA
 - Fort Mill, SC

- **DESIGN CENTERS**
 - Carrollton, TX
 - Chennai, IN
 - Colorado Springs, CO
 - Fremont, CA
 - Guadalajara, MX
 - Kanata, OT
 - San Jose, CA
 - Singapore, SG
 - Yasu, JP
 - Huntsville, AL

- **INTEGRATED MANUFACTURING SERVICES**
 - Carrollton, TX
 - Campinas, BR
 - Chennai, IN
 - Fermoy, IR
 - Guadalajara, MX
 - Gunzenhausen, GR
 - Haukipudas, FI
 - Huntsville, AL
 - Kanata, ON
 - Kenosha, WI
 - Kunshan, CN
 - Ma'alot, IL
 - Manchester, NH
 - Örnköldsvik, SW
 - Pathum Thani, TH
 - Penang, MY
 - Port Glasgow, UK
 - San Jose, CA
 - Shenzhen, CN
 - Singapore, SG
 - Tatabanya, HU
 - Salt Lake City, UT
 - Reynosa, MX

- **PLASTICS**
 - Turtle Lake, WI

- **PCB**
 - San Jose, CA
 - Costa Mesa, CA
 - Singapore, SG
 - Wuxi, CN

- **BACKPLANES**
 - San Jose, CA
 - Guadalajara, MX

- **MECHANICAL SYSTEMS**
 - Austin, TX
 - Fremont, CA
 - Guadalajara, MX
 - Houston, TX
 - Newark, CA
 - Shenzhen, CN
 - Suzhou, CN

ABOUT SANMINA CORPORATION

Sanmina Corporation is a leading integrated manufacturing solutions provider serving the fastest-growing segments of the global Electronics Manufacturing Services (EMS) market. Recognized as a technology leader, Sanmina provides end-to-end manufacturing solutions, delivering superior quality and support to Original Equipment Manufacturers (OEMs) primarily in the medical, communications networks, defense and aerospace, industrial and semiconductor systems, multimedia, computing and storage, automotive and clean technology sectors. Sanmina has facilities strategically located in key regions throughout the world.

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