MEDICAL DEVICES

Eight of the world’s 10 largest medical device companies are located in Ireland, with Europe’s premier cluster of device companies based in the Galway region.

Examples of global companies with substantial operations include Abbott, Bayer, Becton Dickinson, Boston Scientific, Johnson & Johnson, Guidant, Medtronic and Stryker. The sector employs over 24,000 people in 160 companies and generates sales in excess of €6 billion annually. Over half of the medical technologies companies based in Ireland have dedicated R&D facilities.

This continued investment has stimulated the emergence of an indigenous cluster of over 100 innovation-led companies along the entire Medtech value chain – from R&D intensive technologies, to proprietary products, contract design and manufacturing, packaging and sterilisation. This has positioned Ireland as a world-class centre of excellence for medical devices.

RESEARCH-LED INNOVATION

The Irish Government has committed to an €8.2 billion investment in science and technology research up until 2013, funding centres of excellence like the €15 million Regenerative Medicine Institute (REMEDI), a world-class biomedical research centre focusing on gene therapy and stem cell research, and the €23 million Biomedical Diagnostics Institute (BDI), a multidisciplinary research institute focused on the development of next generation biomedical diagnostic devices.

Royal College of Surgeons in Ireland (RCSI) Colles Institute currently consists of three centres: the National Surgical Training Centre (NSTC) which provides education and training programmes in Ireland; the Centre for Innovation in Surgical Technology (CIST) which develops and commercialises surgical technology ideas from industry, clinicians, or researchers; and the Centre for Clinical Research and Development (CCR&D) which provides clinical research services to industry, clinicians and researchers.

Other Medtech research centres include:

- The Medical Engineering Design and Innovation Centre (MEDIC)
- The National Centre for Biomedical Engineering Science (NCBES)
- South Eastern Applied Material Research Centre (SEAM)
- Centre for Research in Engineering Surface Technology (CREST)
- Micro Sensors for Clinical Analysis (MICRA)
- Centre for Design Innovation
- National Centre for Sensor Research (NCSR)
- Bioengineering Research Centre
- Centre for Applied Biomedical Engineering Research (CABER)
- Centre for Nanotechnology and Materials Research (CNMR)
- National Centre for Laser Applications (NCLA)
- Innovations in Medical Devices (IMedD)
- Materials Ireland Polymer Research Centre

KEY CHARACTERISTICS AND GROWTH AREAS

- Cardiovascular: 80 per cent of global stent production is carried out in Ireland, with significant investment by Abbott, Boston Scientific, Guidant and Medtronic. The Galway Medical Devices Centre of Excellence (GMedTech) is actively focused on cardiovascular research in four key research topics: abdominal aortic aneurysms; cranial aneurysms; coronary artery disease and the venous system. Other areas of research include the human musculoskeletal system, dentistry, urology and reconstructive surgery.

- Orthopaedics: Ireland hosts manufacturing facilities by industry leaders Stryker, J&J, DePuy, Zimmer.

- Diagnostics: Six of the top 7 global diagnostics companies are located in Ireland, including Abbott Diagnostic and Beckman Coulter.

IRELAND

Ireland enters the second decade of the 21st century as a country transformed into a dynamic, innovative and open economy where exports account for more than 80% of GNP. Therefore, Ireland’s business people are experienced and skilled at meeting and exceeding the needs of their international customers.

While retaining strengths in traditional industries like agri-business and sub-supply, Irish companies are now successfully exporting products and services in sectors such as cleantech and green technology, life sciences, software and telecoms, and financial and education services.

ENTERPRISE IRELAND

Enterprise Ireland is the government organisation responsible for the development of Irish enterprise and has a strong track record in assisting Irish businesses to start, grow, innovate and internationalise.

With a network of offices covering more than 60 markets across the globe, we have developed a vibrant network of contacts, detailed knowledge and a keen understanding of local markets and cultures. We can help you connect with and maintain profitable partnerships with businesses in Ireland.

Talk to us www.enterprise-ireland.com

Medinireland: www.medinireland.com
Biotechnology Ireland: www.biotechnologyireland.com/
Irish Medical Devices Association: www.ibec.ie/imda
IDA Ireland: www.idaireland.com
COMPANY NAME

Accendo Technologies
Aclare Plastics Ltd
Advanced Surgical Concepts Ltd
Aerogen Ltd
Allergy Standards Ltd
Alpha Healthcare
Amrini Medical
Anacto Ltd
ANGAmed Ltd
Argutus Medical Ltd
Arrotex Medical Ltd
Ash Technologies Ltd
Atlantic Prosthetic Orthotic Services Ltd
Audit Diagnostics
Avenue Medical Solutions Ltd
Avonned Healthcare Ltd
Bellurgan Medical
BiancaMed
Bio-Medical Research Ltd
Biosenla Ltd
Blueocean Technology Ltd
Cambus Medical
Caragh Precision
CareWorks Ltd
Catalyst Pharma Solutions
Ceil Ltd
Centric Health
Clearstream Technologies Group plc
Contec Medical Co (Ireland) Ltd
Contech Medical International Ltd
Craigh Medical Ltd
Creiganna
Crescent Diagnostics (Ireland) Ltd
Croom Precision Medical Ltd
Cropton Ltd
Dabl Ltd
Dakota Packaging Ltd
Dawlish Ltd
Dilaroyal Europe Ltd
DesignWise Automation Ltd
DMC Medical Ltd
DMF Systems
eHealthT Ltd
Electronic Media Solutions
Embricon Ltd
ErBIO
EnMed Technologies Ltd
Envasive Technologies Ltd
Epic Solutions
Fastform Research Ltd
Faulknor Export Packaging Ltd
Filtertek BV
Finnasa Medical Ltd
GarVi Technologies Ltd
Global Medical Treatment Ltd
Glomega Ireland Ltd
Haemoglobal Biotech Ltd
Halo Medical Teo
Hopstica Inc
Halia Health Ltd
HigenX
Hospiconde Ltd
ID Technology Ltd
IMEC Data Collection Ltd
IMS Maxims plc
Innovative Sciences Ltd
Kenilworth Products Ltd

DESCRIPTION

Innovative solutions for product design and development, manufacturing intelligence and business systems
Blow moulding and injection moulding
Development of novel access technologies to increase the number of abdominal surgeries performed endoscopically
Range of needles and novel technology for drug delivery to the respiratory system
Proprietary testing protocols and suitability specifications for products to meet in order to be eligible for certification as asthma and allergy friendly™
Provision of shared services to GP and other primary healthcare practices
Manufacture of laser protective eyewear and X-ray protective shielding
Range of product testing (validation, transport, package integrity, HALT HASS) and product validation
Precision extrusion in developing and producing tubing for the interventional cardiology, radiology, urology, gastroenterology and neuro-radiology fields
Biomarkers for organ damage
Medical Device design and development, rapid prototyping, precision manufacturing
Offers portable products for partially sighted persons
Manufacture and supply of custom made prosthetic and orthotic devices
Development and manufacture of clinical diagnostic reagents and healthcare products
Design, manufacture and validation of multi-cavity injection moulds for high volume applications
Disposable cardio-thoracic medical device systems
Precision machined components from a range of metals and plastics
Monitoring and diagnostic tools for heart, respiration and sleep apnoea
Research, design, manufacture and marketing of medical grade products for both muscle strengthening and pain relief
Disposable multifunctional analytical chips for point-of-use diagnostics
Advanced laser processing technology combining laser micromachining with advanced precision engineering
Development and manufacture of technologically advanced Hypotubes and micro-component solutions for minimally invasive devices
Engineered components and solutions for the medical device sector
Social services and community health systems software
Development, manufacturing and packaging services for pharmaceutical, biotechnology and consumer health companies
Sophisticated microfluidics drug screening tool that eliminates false leads earlier in the drug screening process
Healthcare diagnostic services, telediagnosis
Development and manufacture of minimally invasive medical devices such as catheters and stents
Customised cases and vacuum formed orthopaedic products
Subcontract manufacturer. World leader in guidewires and catheter packaging
Manufacture of catheters and balloons for the PTA (Percutaneous Translumen Angioplasty) market
Design and manufacture of catheters, specialty needles and other components: Contract design services
Development of a new biomarker (BQT®) that uses fingernail structure to assess bone health
Sub-contract manufacture, assembly and packaging
EndoLPR® is a diagnostic tool for assessing the competence of the gastroesophageal junction in patients with GERD
Software for ambulatory blood pressure measurement and cardiovascular monitoring
Folding cartons and litho-lamination
Amps and fixtures to the Medical Devices industry
Manufacturer of custom procedure trays and their components, surgical accessories and a wide variety of orthopaedic and woundcare products
Automation design and consultancy services
Manufacture and distribution of a range of innovative cardiovascular accessories and general hospital supplies
Delivery of HIS, departmental and clinical systems to the healthcare marketplace
Healthcare software for appointments scheduling
3D medical animations and elearning for lifespan companies
Development of innovative endovascular surgical solution for treatment of varicose veins
Surface modification incorporating a unique disruptive coating process for medical implant devices
Range of pressure-reducing medical bedding and seating products
Diagnostic kits which screen for disorders affecting newborn infants
Electronic health care solutions to the non-acute care sector
Development and commercialisation of smart polymer technologies and superior medical products for the healthcare industry
EEO and barrier flexible packaging products
Filtration and fluid control devices for both large and small medical OEMs
Range of advanced technology used for the management of a variety of wound and skin conditions
Clinical workflow management tool for the operating theatre and endoscopy suite
Software developer for the global healthcare market
Communeralisation of biomedical (diabetes) research
Developer of portable blood diagnostic analyser
Sub-contract manufacturer specialising in disposable medical devices
Simulation platform devices to interact with physical and virtual models
World-class primary healthcare software solutions
Electronic hand hygiene monitoring and control systems for hospitals
Medical labelling systems
Hi-tech manufacturer of adhesive and non-adhesive materials
Solution for tracking, proving EA compliance and controlling costs of moving clinical waste
Advanced clinical software
Specialist medical printing to label microscope slides and/or tissue cassettes
A world leader in pharmaceutical labelling

WEBSITE

www.cambusmedical.com
www.caraghprecision.com
www.careworks.ie
www.catalcont.com
www.celllltd.com
www.centrichalth.ie
www.clearstream.ie
www.contechireland.com
www.creaghmedical.com
www.creganna.com
www.crescentsdts.com
www.croomprecision.com
www.crospoon.com
www.dabl.ie
www.dartakosta.ie
www.daweveloper.com
www.deroyal.com
www.desiggnwise-automation.com
www.dmmedical.net
www.denf.ie
www.ohainhealthscheduler.com
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www.fastformresearch.com
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www.filtertek.com
www.finnesemedical.com
www.garivo.com
www.novaphen.com
www.hgb.ie
www.halo-medical.com
www.haptica.com
www.holishalth.com
www.hiperx.com
www.hospicode.com
www.itsdemand.ie
www.imec.ie
www.imaxims.com
www.innovativescience.ie
www.kenilworth.ie
COMPANY NAME
Lettertec Ireland Ltd
Linior Solutions
M & M Qual Tech Ltd
M & V Medical Devices Ltd
Medtronic Medical Devices Ltd
Medweestraaco Healthcare Packaging
Medvac Medical Ltd
Megazyme International Ireland Ltd
Mergon Healthcare
Midland Bandages
Midlum Healthcare
Nico Surgical Ltd
Nouvelle Ltd
Now Era Packaging Ltd
Nortec Ltd
Novate Medical
Nypro Ireland
Ocuso Group
Outsource Technical Concepts
Poringard
Podatry Products Ltd
Practanna Ltd
Pressco Ltd
Prior Tool and Die
4th Promise
Pro-Tek Medical Ltd
Proxy Biomedical Ltd
Pulse Learning Ltd
Real Regulatory Ltd
Rehab Enterprises Ltd
Schivo Group
Semia Medical
Sensi Technologies Ltd
Serosep Ltd
Shannon Microcoil
Sigmoid Pharma
Silicon & Software Systems Ltd
Sintec Technologies
SlidePath
Smithtown Light Engineering Ltd
SOTA Orthopaedics
Specialist Diecutters Ltd
Stampack Medical
Stokes Bio Ltd
SureWash
Syncroph Research
System Label
Takumi Precision Engineering Ltd
Technical Engineering & Tooling Services
TOG International
Tool and Plastic Co Ltd
Trend Technologies Mullingar Ltd
Trinity Biotech plc
Trulife
Two-Ten Health
Vasco Medical Ltd
Vasson Ltd
Versan Medical Ltd
VitaMed Ltd
Vitalograph (Ireland) Ltd
Vysora Biomedical Ltd
Westgate Biological Ltd
Wireline
Xenith Biomed
XYCA Ltd
Zenusa Ltd

DESCRIPTION
Digital print, bookbinding and logbooks
Digital media services at the hospital bedside, including clinical information and entertainment services
Full service, product life cycle manufacturing partner, offering cable and harness, printed circuit board assembly, box build and order fulfilment
CNC turning, milling, lustering and ultrasonic cleaning of metals and plastics
Healthcare informatics
Central venous catheter kits
Global leader in packaging and packaging solutions
Pressure relief mattresses and patient support surfaces
Development and supply of innovative diagnostic technology for the food, feed, fertilisation, dairy and wine industries
Design, development and manufacture of innovative, technical plastic mouldings
Range of bandages and medical disposables for the healthcare sector
Purpose built, Irish Medicines Board approved contract packing site
Innovative devices for use in general laparoscopic (laparothoracic) surgery
Manufacture and distribution of products to the clinical research and diagnostic markets
Printers of self-adhesive label products
Nebulizers for the equine and companion animal market
Novel technology aimed at the rapidly expanding market for fiterina cava filters
Design and manufacture of precision plastics products for diagnostic, drug delivery and general medical applications
Integrated patient and practice management for optometrists, opthalmics and ophthalmologists
Contract manufacturing services
Packaging design, production services, print, artwork management solutions to the pharma industry
Custom orthotic devices
Illoestomy management consumables
Technologically advanced toolmaker
Media-based service that keeps patients connected to the outside world media
Manufacturing services including design support, CE marking submission assistance, precision injection moulding, assembly, fine wire forming and welding
Biomaterials for the repair and regeneration of tissue
Regulatory compliance elearning solutions
Consultancy firm specialising in European and U.S. regulatory affairs and quality assurance
Manufacturer of a range of mattresses and bedding products under the Breathable™ mark
High precision engineering, assembly and test
Specialised label manufacturing
Provides low light sensing solutions to the market and are leaders in the development of silicon photomultipliers and photon counting and timing detectors
Manufacture of testing kits for faecal pathogens
Manufacture of microcylors for the medical device sector
Development of innovative drug delivery technology (liquid/emulsion drug delivery system, LEDDS™)
Design and development services for medical telemonitoring
Claimsure health insurance claims management software
Software for digital slide management
Precision instruments and moulds for medical and orthopaedics industry
Orthopaedic devices - hip fracture fixation and elbow fracture instrument
Die cut adhesive parts
Cleanroom manufactured flexible medical packaging and contract assembly
Microfluidics technology for gene expression measurement and gene target detection
Interactive camera system to improve the quality of hand hygiene among healthcare workers
Medical informatics company specialising in the development of patient monitoring and data collection solutions for a range of clinical and extended care situations
Screen printers: technical nameplates, labels and overlays
Subcontract manufacture of prototypes, special tooling, jigs, fixtures and CNC batch production of precision components for medical and orthopaedics sectors
Design, precision engineering, mould tooling, and automation and machine building
Europe’s largest custom made orthotic supplier
Contract injection moulding
Precision injection moulded components and assemblies
Develops and markets diagnostic reagents for detection of infectious diseases, sexually transmitted diseases, blood coagulation and autoimmune disorders
Orthopaedics, breastcare, prosthetics and pressurecare products
Innovative solutions to treat vascular disease using the principles of biomimicry
Manufacture of complex medical tubing and devices for the medical device industry
World leading provider of outstanding quality respiratory diagnostic devices, clinical trials and medical equipment servicing
Development of products and therapies utilising unique proprietary materials technology
Developement and commercialisation of LacIELDS®, a patented protein broad spectrum natural antimicrobial agent that is effective against Gram positive and Gram negative bacteria, fungi, yeast and moulds
eCommerce solutions to the wellness industry
Manufacture and supply of allergy testing kits
Records Management and Data Protection in health and local government
Design, development and delivery of less-invasive medical devices

WEBSITE
www.lettertec.com
www.linior.com
www.mmqualtech.ie
www.mmmedicals.ie
www.mvarmedicals.ie
www.medweestraaco.com
www.medvacmedical.ie
www.megazyme.com
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www.sltiotech.ie
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www.silo.ie
www.sotaorthopaedics.com
www.specialistdiecutters.com
www.stampack.ie
www.stokesbios.com
www.surewash.com
www.synorphil.com
www.systemlabel.com
www.takumprecision.com
www.techengtool.com
www.toginternational.com
www.tosslandplastics.ie
www.trinitybiotech.ie
www.trulife.com
www.twisthealthcare.com
www.valentisotech.com
www.vasorum.ie
www.veryannmed.com
www.vistamed.net
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www.wxmedical.ie
www.xenithbiomed.com
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www.zenusa.com

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