



Medical Technologies

Healing in a different way



Key figures

70 companies

2,600 jobs

300 researchers

4 leading companies worldwide

3 innovation clusters



Fields of excellence

- Healthcare textiles
- Orthopaedic implants
- Hospital materials
- Medical design

Cutting edge technologies

- Biology and pathology of physical exercise
- Mechanics of biomaterials
- Radiodiagnosis
- Surface treatments
- Home care innovations
- NICT optical surveillance sensor
- Medical device vigilance systems
- Technical weaving

BUSINESS LEADERS

- Leading worldwide companies

Ganzoni, Gibaud, Lohmann, Thuasne

ABISS

Allègre Biomédical

Aspide Médical

Aston Médical France

Ateliers du Haut Forez

Berthéas & Cie

Cardial SA

Cellux

Découp +

DEF Systèmes

DTF

Evolutis

HEF R&D

Molypharm Industries

Noviloire

Richard Frères (Lohmann Rauscher)

Stephanix

Elizabeth DUCOTTET

CEO of Thuasne

Founded in Saint-Etienne, Thuasne group is now one Europe's foremost healthcare textiles companies. Its development via its premises in the

Saint-Etienne region has clearly been assisted by the presence of a number of companies specialising in medical technologies, by its ability to find

highly-trained and skilled personnel, and by the quality of the region's higher education and research.



Training and research

- **Ecole Nationale Supérieure Mines Saint-Etienne (ENSMSE)** centre for engineering and health
- **University Jean Monnet Saint-Etienne**
Master's degree healthcare organisation management with ISEAG
- Several establishments and bodies provide **professional technical education courses** (BTS (advanced vocational diploma), BAC Pro (vocational baccalaureat diploma), DUT (university technology diploma), specific healthcare training...)

Laboratories

- **Ecole Nationale Supérieure des Mines (ENSMSE)**
Healthcare engineering & sciences of industrial and natural processes – associated with the CNRS (National centre for scientific research)
- **Ecole Nationale d'Ingénieurs de Saint-Etienne (ENISE)**
Laboratory of tribology and system dynamic
- **University Jean Monnet** Physiology physio-pathology centre for exercise and disability

Applied research

- **HEF R&D** (Surface technology, tribology treatment and coatings)

Network

- **Saint-Etienne medical technologies centre** (Le Pôle des Technologies Médicales de Saint-Etienne) is a resource centre promoting local synergies. Through cross-disciplinary and sector-based actions, it encourages links between industry, education and research and is active in developing an environment which favours the establishment of medical technology companies
- **Innovation clusters** Techtera, Sporaltec, ViaMéca
- **Regional agency for development and innovation** (Agence Régionale pour le Développement et l'Innovation ARDI) in Saint-Etienne and Roanne, is perfectly suited for solving questions concerning industrial automation and, more generally, for improving production
- **CHU (university hospital centre)** and **Loire cancerology institute** (Institut de Cancérologie de la Loire)
- **IFTH Healthcare textiles, tests and trials laboratory** (Plateforme des textiles de santé, laboratoire de tests et d'essais ASQUAL)
- **SAIC** transferring technology and savoir-faire (in collaboration with the Université Jean Monnet)
- **INGRID** network of technology platforms

Useful links

- www.pole-medical.com
- www.ardi-rhonealpes.fr
- www.ifth.org
- www.expansion42.com
- www.cetim.fr

M. BERTHEAS

Chairman of Ganzoni France

GANZONI France supplies medical compression stockings at the cutting edge of technology to the 22 million people in France affected by venous and lymphatic diseases. Supplied in pharmacies under the SIGVARIS® brand name, these are generally now seen as reference products. The company is experiencing strong growth, and employs around 700

people, over half of them in the Loire region. GANZONI France generated a turnover in 2007 of 74 million euros (workforce doubled in the space of 5 years). The core policy of the company is to develop a genuine centre of business for employment and exchange, with the involvement of local industry, institutions, universities and communities.

MAJOR PRINCIPLES

- Annual technical day devoted to orthopaedic implants.
- RTS (healthcare textile meetings): meetings centre and centre of Europe's healthcare textiles network.



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