

Advanced Manufacturing: The Flagship of the Local Economy

Fribourg Producers at the Forefront

Technology is at the core of what many companies in the canton of Fribourg do. Digital technologies, advanced materials and process-related innovations are increasingly converging. These include the Internet of Things, robotics, digital printing, biobased products, nanomaterials, autonomous production and artificial intelligence.

One of the main drivers of the cantonal economy is its thriving mechanical engineering, electrical, electronic and metalworking sector. It brings together a wide range of dynamic and well-established companies employing more than 10,000 people. Their activities span a wide range of fields, from the design and production of machines and autonomous systems to additive manufacturing and the development of software capable of unlocking the full potential of big data and the Internet of Things.

Close collaboration with local research institutes and competence centers not only provides Fribourg companies with powerful optimization tools but also gives them access to an impressive talent pool.

8

centers of expertise,
research institutes
and industry clusters





iPrint

iPrint is an educational institute and competence center specializing in applied research and development in digital and inkjet printing. Unique in its field, it has an international reach and is a key driver of innovation in digital printing technologies. Its multidisciplinary team of experts, engineers and technicians brings together expertise in inkjet, materials science, microfluidics, mechatronics, electronics and chemistry, supported by close partnerships with industry and academic institutions.

In addition to its research activities in additive manufacturing, biomedical printing, graphic printing and printed electronics, iPrint also provides education and continuing training, offering theoretical and hands-on courses in inkjet printing and related technologies.

www.iprint.center



"Setting up in the Canton of Fribourg has been a tremendous opportunity for Bionomous. The local ecosystem is particularly supportive of start-ups, with strong academic and industrial partners, as well as robust backing from the economic development agency. The Vivier has also provided us with the space and infrastructure we needed to grow."

Ana Hernando Ariza

**CMO and Co-founder
Bionomous**

www.bionomous.ch



Research Institutes at the HEIA-FR

HEIA-FR brings together five applied research institutes linked to industrial technologies: ChemTech, ENERGY, iRAP, iSIS and SeSi.
www.heia-fr.ch/en/applied-research/institutes

ROSAS

Robust and Safe Systems Center (ROSAS)

ROSAS supports the transfer of innovative ideas between industry and applied research, focusing on robust and reliable systems for industrial and manufacturing applications.
www.rosas.center



Swiss Polymers Cluster

The cluster strengthens members' competitiveness by promoting polymer engineering technologies and fostering collaboration between industry, research and education across the polymer value chain.
www.swisspolymerscluster.ch

bluefactory

bluefactory

bluefactory is an innovation quarter hosting SMEs, start-ups and research actors active in new materials, digital technologies and industrial processes.
www.bluefactory.ch



Le Vivier

Le Vivier is a technology park providing infrastructure for companies' research, development and innovation activities in industrial and manufacturing fields.
www.vivier.ch



Marly Innovation Center

Marly Innovation Center is a technology campus offering companies infrastructure and an innovation ecosystem for industrial projects and advanced manufacturing.
www.marly-innovation-center.org



Selected Companies

3D Systems

More than 30 years ago, 3D Systems introduced 3D printing to the manufacturing industry. Today, as a leading partner in additive manufacturing solutions, the company enables manufacturers to transform workflows and develop new products and business models.
www.3dsystems.com

Asyrl

Asyrl develops flexible and high-performance feeding systems for the automation industry. Its expertise covers the three sub-domains of modern part feeding systems: vibration technology, industrial vision and precision robotics.
www.asyrl.com

Bionomous

Bionomous develops automated solutions for biological testing, combining robotics, image analysis and artificial intelligence. Its technology enables laboratories to significantly increase throughput, reliability and traceability while reducing manual handling.
www.bionomous.ch

CertX

CertX provides certification services for safety-critical systems, with a strong focus on autonomous, AI-based and cyber-physical systems. The company supports manufacturers throughout the entire certification process, from development to market approval.
www.certx.ch

Comet

Comet is a global technology group providing high-precision solutions in X-ray, RF and e-beam technologies for industrial manufacturing, electronics and other advanced industrial applications, where reliability and process control are critical.
www.comet.tech

Condis

Condis is a global leader in the development, customization and production of high-voltage products and solutions for use in electricity transmission and distribution systems.
www.condis.ch

CPAutomation

CPAutomation develops standardized turnkey solutions for industrial automation. The company specializes in micromanipulation, micro-welding and visual inspection technologies, primarily serving the medical, electronics and luxury sectors.
www.cpaautomation.ch



"The canton of Fribourg has the ideal environment for inkjet and digital printing innovation. The Marly Innovation Center offers all the infrastructure we need for our research. Not only have inkjet products already been successfully developed at the MIC but the site is also home to several companies active in inkjet and 3D printing technologies. This makes for a really stimulating environment and opens up exciting synergies."

Dr. Gioele Balestra

Co-Head of the iPrint Institute and Full Professor at the School of Engineering and Architecture of Fribourg

www.iprint.center

Geberit

Geberit is a European leader in sanitary systems, combining industrial production, automation and materials expertise to deliver high-performance solutions manufactured at scale and meeting demanding quality standards.

www.geberit.com

Johnson Electric

Johnson Electric is a provider of motors and electromechanical components for automotive, industrial and medical applications. It has a combined annual production capacity of over one billion motors and motion subsystems.

www.johnsonelectric.com

Meanwhile

Meanwhile develops autonomous mobile robots for internal logistics in industrial and healthcare environments. Its solutions automate the transport of goods, helping teams focus on higher value-added tasks.

www.meanwhile-france.com

Nespresso

Nespresso is a global leader in premium coffee, combining industrial excellence with advanced manufacturing technologies. The company operates highly automated production systems, integrating precision engineering, materials innovation and industrial-scale quality control.

www.nespresso.com

Parker Meggitt

Parker Meggitt is a global supplier of high-performance components and systems for aerospace and industrial markets, operating advanced manufacturing processes that meet the highest standards of precision, quality and operational reliability.

www.parker.com

SECH – Sieyuan Electric Co

SECH is a subsidiary of Sieyuan Electric Co., which is listed on the Shenzhen stock exchange. It specializes in the provision of engineering services and manufacture of products for the electricity sector.

www.sechsa.com

WAGO

WAGO is a leading provider of electrical interconnection, automation and control solutions, supporting advanced manufacturing with reliable, modular and Industry 4.0-ready technologies used in industrial production environments.

www.wago.com



ETAT DE FRIBOURG
STAAT FREIBURG
STATE OF FRIBOURG

Promotion économique PromFR
Wirtschaftsförderung WIF
Development Agency FDA

FRIBOURG, THE PLACE TO GROW!

Boulevard de Pérolles 25
P.O. Box
CH-1701 Fribourg/Freiburg
T +41 26 304 14 00
promfr@fr.ch

www.promfr.ch



"For a market-leading company, preserving its unique know-how and continuously improving performance are ongoing priorities. For more than 120 years, the Canton of Fribourg has provided CONDIS with a highly skilled workforce, an innovation-friendly environment, and responsive institutional partners. Our success today is, above all, the result of a committed community."

Stéphane Page

CEO
Condis

www.condis.ch

FRIBOURG

Land
of values