SHIMADZU
Excellence in science

BENVENUTI

50° MS Anniversary Days

SHIMADZU
Excellence in science

MALDI: una tecnica da Premio Nobel per celebrare i 50 di Spettrometria di Massa

19 giugno 2020

Mattia Casanova, Marketing Manager
Shimadzu Italia S.r.l.

SHIMADZU
Excellence in Science

Shimadzu Group

CORPORATE PROFILE

SHIMADZU

Shimadzu Corporate Outline

… It all started with and insatiable thirst for science and technology and a firm resolve about what was necessary for the future of Japan…

Founded in 1875, when Genzo Shimadzu Sr. began manufatoring physics and chemistry instruments while also learning about the latest technologies.
That marked the beginning of our history as the Shimadzu Corporation.

Shimadzu provides a broad range of **analytical instruments** indispensable for research, development, and quality control in a variety of fields. Our high-level, sophisticated instruments include chromatographs, spectrometers, and elemental and surface analysis systems. We also provide a broad range of high-precision physical testing and measuring technology that is essential for product development and quality assurance.

Corporate Philosophy:
"Contributing to Society through Science and Technology"

SHIMADZU

Shimadzu Corporation

Corporate Profile (as of March 31, 2019)

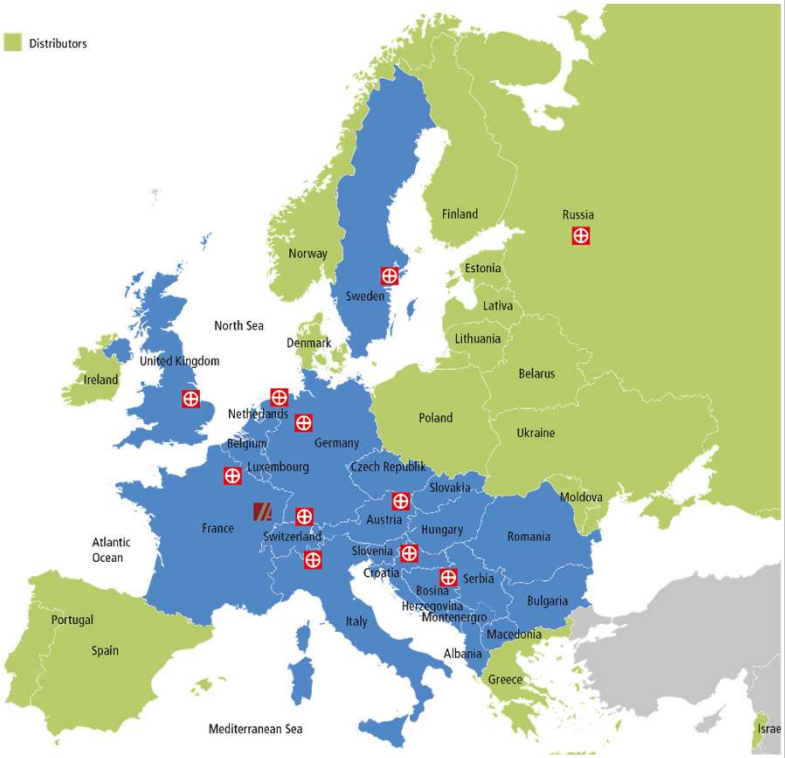
Head Office	Kyoto 604-8511, Japan
Founded	March 1875
Formation of Limited Company	September 1917
Capital	26.6 Billion Yen
Consolidated Sales	376.6 Billion Yen
Number of Employess (Shimadzu Group Total)	12,684

SHIMADZU

Shimadzu Europa GmbH, Duisburg, Germany

European Headquarter: Duisburg, Germany

- 11 subsidiaries in Europe
- 755 employees
- > 300 qualified sales and support specialists
- > 230 qualified service engineers
- 13 distributors Europe wide
- 185 Mio. € turnover in 2018



SHIMADZU

Service and Support Facilities

Laboratory World in European Headquarter

Centers of excellence in
Germany, France, UK, Italy, Netherlands

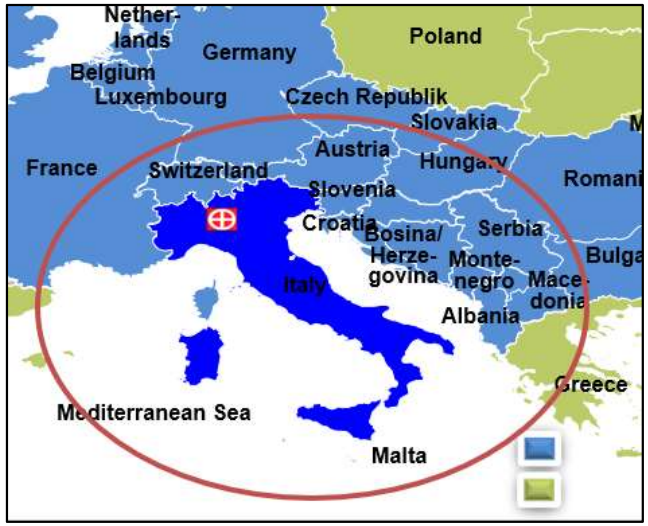
- Application Support
- Sample Measurement
- Project Management
- Demonstration
- Customer Training

Shimadzu European Headquarter, Laboratory World, Duisburg, DE

SHIMADZU

Shimadzu in Italy

Shimadzu Italy was opened in 1991: our offices are based in Milan from where we manage all sales, financial, cutomer care, marketing and application support for all products range.
Regarding sales force and service, we can boast a national cover to better satisfy our Customers' requests.



50 employees

Our demo lab in Milan

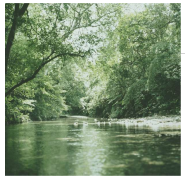
SHIMADZU

Key Business Segments: Major Markets

Serving society through the power of science. Shimadzu contributes to the progress of a wide variety of fields

Medicine

- Analysis and evaluation at development process
- Support for the quality control
- Support for the control of production facilities



Environment

- Analysis and measurement of atmosphere, water, and soil
- Analysis of emissions and waste substances

Food

- Characteristic evaluation and component analysis of raw materials
- Safety evaluation
- Flavor and texture measuring tests

Medical Care

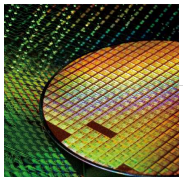
- Support for the diagnosis and treatment at medical institutions
- Research & development of new medicines

Energy

- Support for the development of renewable energies
- Analysis and evaluation in developing next-generation batteries

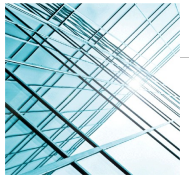
Transport

- Safety transportation of airplane /automobile and comfortable passenger environment
- Evaluation tests for automobile safety and comfort
- Power source for industrial vehicles and construction machinery



Semiconductor / Electronics

- Semiconductor production process
- Displays production process



Material

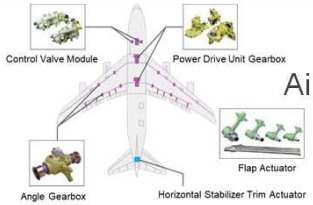
- Analysis and evaluation of oil chemical products and new materials
- Analysis and evaluation of metal, glass, and ceramic materials

Infrastructure

- Testing fatigue/endurance and measuring deterioration of public and industry infrastructure
- Monitoring and deterioration diagnostic services

Overview of Business Performance

Flight Control Systems

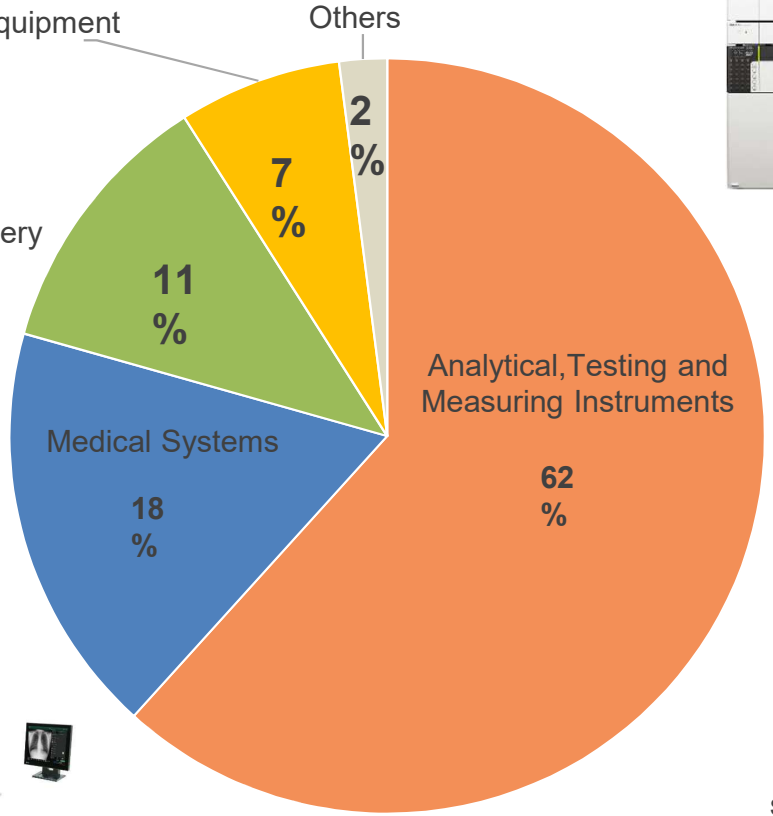


Turbo-Molecular Pumps

Hydraulic Gear Pumps

Angiography Systems

General Radiography Systems



Liquid Chromatograph–Mass Spectrometers

Gas Chromatograph-Mass Spectrometers

Total Organic Carbon Analyzers

Spectrophotometers

Ultra High Performance Liquid Chromatographs

Dati 31 Marzo 2019

SHIMADZU

R&D

Shimadzu Corporation has always stood out for the continuous research and development of new technologies applied to analytical instrumentation

Koichi Tanaka

General Manager, Mass Spectrometry Research Laboratory,
Shimadzu Corporation, Kyoto, Japan

Nobel Prize in Chemistry (2002) “for the development of soft desorption ionization methods for mass spectrometric analyses of biological macromolecules”

SHIMADZU

Celebrating 50 Years of MS Innovation

The year 2020 marks 50 years since the release of Shimadzu's first mass spectrometry device, the LKB-9000. Over the past half century, our passion for innovation has led to multiple ground-breaking developments in MS technology.

With our considerable experience in the field, we take this opportunity to reflect on the past and look towards the future of MS. Through this we reaffirm our commitment as a company: to provide revolutionary products and services that contribute to society through technology, sustaining the health of the planet and of humankind.

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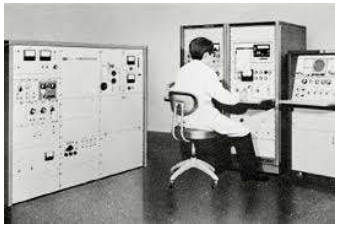
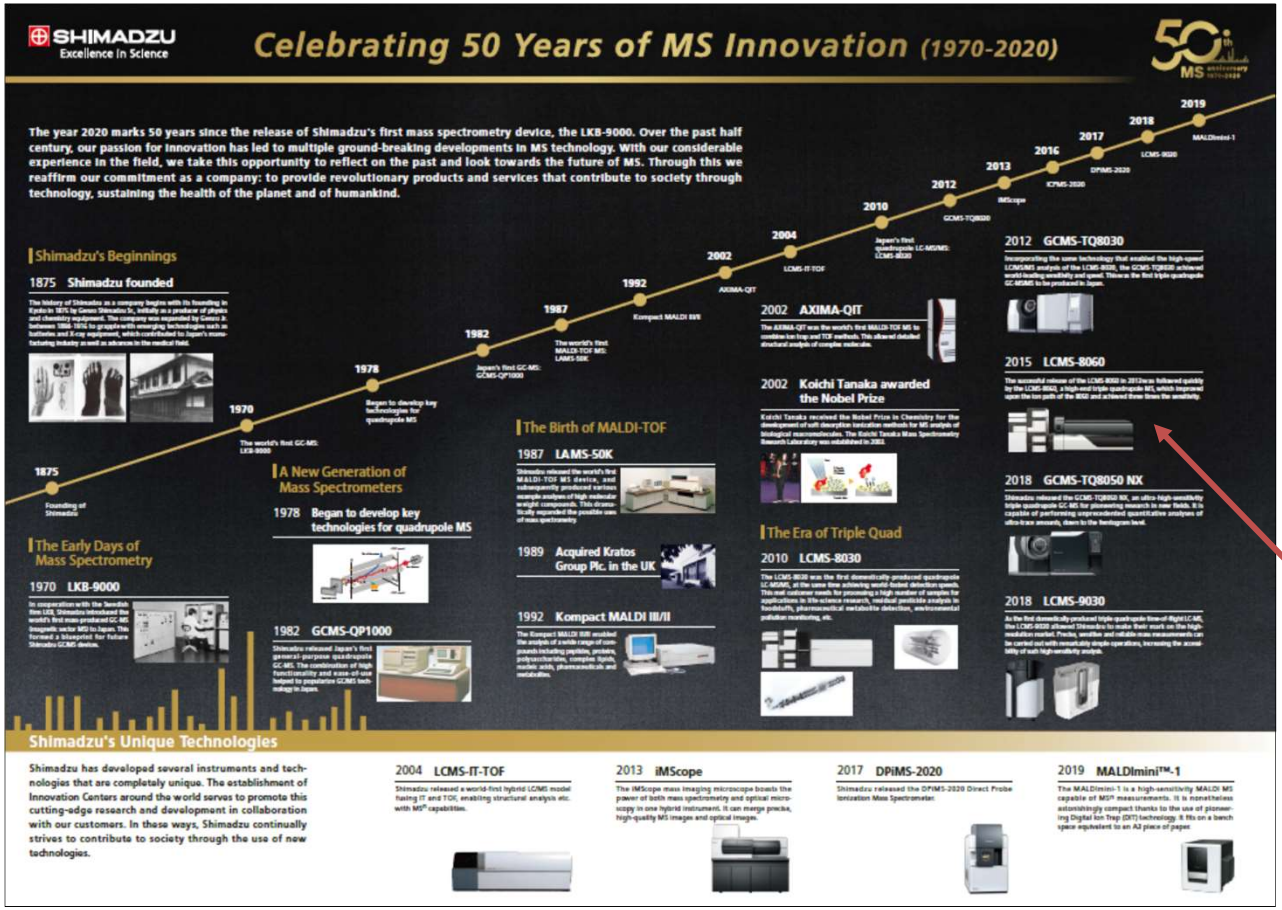
Celebrating 50 Years of MS Innovation

1970



LKB-9000



2020

GCMS-8050 NX

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MALDI: una tecnica da Premio Nobel per celebrare i 50 di Spettrometria di Massa

Prima parte

10:00 **Benvenuto e introduzione**
Dott. M. Casanova - Marketing Manager, Shimadzu Italia S.r.l.

10.15 **La ricerca della fAcilità: soluzioni MALDI Shimadzu per le tue analisi**
Dott.ssa S. Giordano – Application Specialist, Shimadzu Italia S.r.l

10.45 **Intact-cell MALDI TOF mass spectrometry for monitoring of embryonic stem cell cultures**
Dr. Petr Vanhara, PhD. Associate professor & Vice-head Department of Histology and Embryology | Faculty of Medicine | Masaryk University & International Clinical Research Center | St. Anne's University Hospital Brno
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11.15 **Sessione aperta a domande e risposte**

11.25 **BREAK**

Seconda parte

11.30 **Various faces of MALDI – Application stories from all over Europe**
Dr. A. Schnapp – Product Specialist MALDI , Center of Innovation & Product Support Shimadzu Europa GmbH

12.00 **Sessione aperta a domande e risposte**

12.10 **CHIUSURA LAVORI**

50th MS anniversary 1970-2020

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GRAZIE PER L'ATTENZIONE!

Per richiedere gli attestati di partecipazione scrivere a: ffurini@Shimadzu.it

PROSSIMI WEBINAR:

7 luglio H 10:00

ICP-MS: lo stato dell'arte dell'analisi elementare

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