

# Press Release

A-ENG-16019 | September 29, 2016

## **Shimadzu 60<sup>th</sup> IR Anniversary Technological Driver and market leader**

### **Shimadzu's history in IR spans many technological eras / From a single product to a complete portfolio of solutions**

Shimadzu, one of the world leaders in analytical instrumentation, celebrates the 60<sup>th</sup> anniversary of its IR-portfolio. Since the middle of the 20<sup>th</sup> century, spectroscopy has been at the core of Shimadzu's analytical business unit and a main driving force in the company's growth and reputation. Know-how, technological skills and innovative power have brought Shimadzu to a leading position in spectroscopy. Promotion of the 60<sup>th</sup> anniversary was kicked off in September at the JASIS conference in Tokyo, Japan.

Shimadzu grew significantly under the leadership of Genzo Shimadzu Jr. in the first half of the 20<sup>th</sup> century. Genzo Jr. showed rare talent as a remarkable inventor, and under his guidance Shimadzu progressed hand-in-hand with science, building itself into a leader in technology. In this spirit, Shimadzu developed its first double beam self-recording infrared spectrophotometer: the AR-275. The instrument became commercially available in 1956 and was robust enough even for export overseas.

### **A brief overview of technological milestones**

The AR-275 marked the start of an outstanding line of infrared products spanning six decades of innovation. Some of the most important Shimadzu milestones of the past 60 years include:

- **1965: IR-27G**  
First dispersive table top instrument
- **1981: IR-435**  
First instrument with data processor

- **1984: FTIR-4000**  
First Fourier Transform Infrared Spectrophotometer
- **1990: FTIR-8100**  
First FTIR with dynamic alignment standard
- **2002: IRPrestige-21**  
First FTIR with mid-near-far infrared measurement range
- **2008: IRAffinity-1**  
New benchmark for entry level instruments
- **2013: IRTracer-100**  
First FTIR with rapid scan function and LabSolution SW platform

Finally, in this 2016 IR celebration year, Shimadzu has launched the AIM-9000 FTIR microscope and failure analysis system. The AIM-9000 is intended as an instrument for all users. All important steps for micro-sample analysis; observation, measurement and analysis are highly automated, making this system also suitable for inexperienced operators. Combined with the IRTracer-100, the AIM-9000 offers a staggering S/N ratio of 30,000/1 and has a wide range of accessories for many different application types.

### **Software and hardware solutions**

Shimadzu's history in IR spans many technological eras. Today, the Shimadzu spectroscopy portfolio includes software and hardware solutions such as UV-Vis spectrophotometers, FTIR spectrophotometers & microscope systems, fluorescence spectrophotometers, energy dispersive X-ray fluorescence spectrometers, Atomic Absorption Systems (AAS) and ICP-OES as well as ICP-MS instruments.

### **Web summary**

Shimadzu celebrates the 60<sup>th</sup> anniversary of its IR-portfolio. Since the middle of the 20<sup>th</sup> century, Shimadzu has been a technological driver in spectroscopy. Know-how, technological skills and innovative power have brought Shimadzu to a leading market position. Shimadzu's history in IR spans many technological eras, from analog to digital

in the 80s of last century to the FTIR technique. Today, Shimadzu provides a wide and diverse portfolio of spectroscopy software and hardware solutions.



**Figure 1:** Shimadzu celebrates its 60<sup>th</sup> IR anniversary in 2016. As a pioneer, Shimadzu set many milestones that have meanwhile become technical standards. Shimadzu is today one of the world leaders.

Web link: [www.shimadzu.eu/60-years-ir](http://www.shimadzu.eu/60-years-ir)



For further editorial questions, please contact:

**Uta Steeger**

Shimadzu Europa GmbH

Albert-Hahn-Str. 6-10

D-47269 Duisburg

Tel.: +49 (0)203-7687410

E-Mail: [us@shimadzu.eu](mailto:us@shimadzu.eu)

**Download** is possible via:

[www.shimadzu.eu/press-information-2016](http://www.shimadzu.eu/press-information-2016)

[www.shimadzu.eu](http://www.shimadzu.eu)