

High Performance and Small Foot Print Time of Flight  
Mass Spectrometer by using the Multi-turn Technology

## Company policy

There are many fears these days, but no perfect solutions exist. We started out as a university venture. Osaka University has been developing many unique and cutting edge MS technologies, and has made it possible to create new markets by using high-resolution, compact time of flight MS. Our goal was to create a portable high resolution mass spectrometer with an intuitive software interface and a price point that would match its size. The last 2 years have been spent working towards realizing this dream. We feel we have come close to this goal with our first product release.

Shinichi Miki, CEO

## Products

**INFI TOF**

High-Reso. And compact Time of Flight MS

Resolution: >30,000  
Dynamic range: 10bit  
Sampling rate: 2GS/s  
Dimensions (mm): W234 x H456 x D640  
Weight: 36kg

*with Direct inlet probe  
(optional)*



Do not settle for having to choose between Portability or High Resolution. Finally an instrument that provides portability and high precision high resolution mass spectrometry in the same package.

## Company profile

Company Name: MSI.TOKYO, INC.  
Address: 1-3-10 Tobitakyu, Chofu, Tokyo 182-0036  
TEL: +81-42-426-4581 FAX: +81-42-426-4585  
CEO: Shinichi Miki  
Company start-up: March 11th 2008  
Capital stock: 66,000,000 JPY

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Safety for the future possible today!

**MSI  
TOKYO**

**INFI TOF**  
Hi-Resolution & Compact TOF-MS



*with G/C(optional)*

Pittcon2010  
Bronze Award

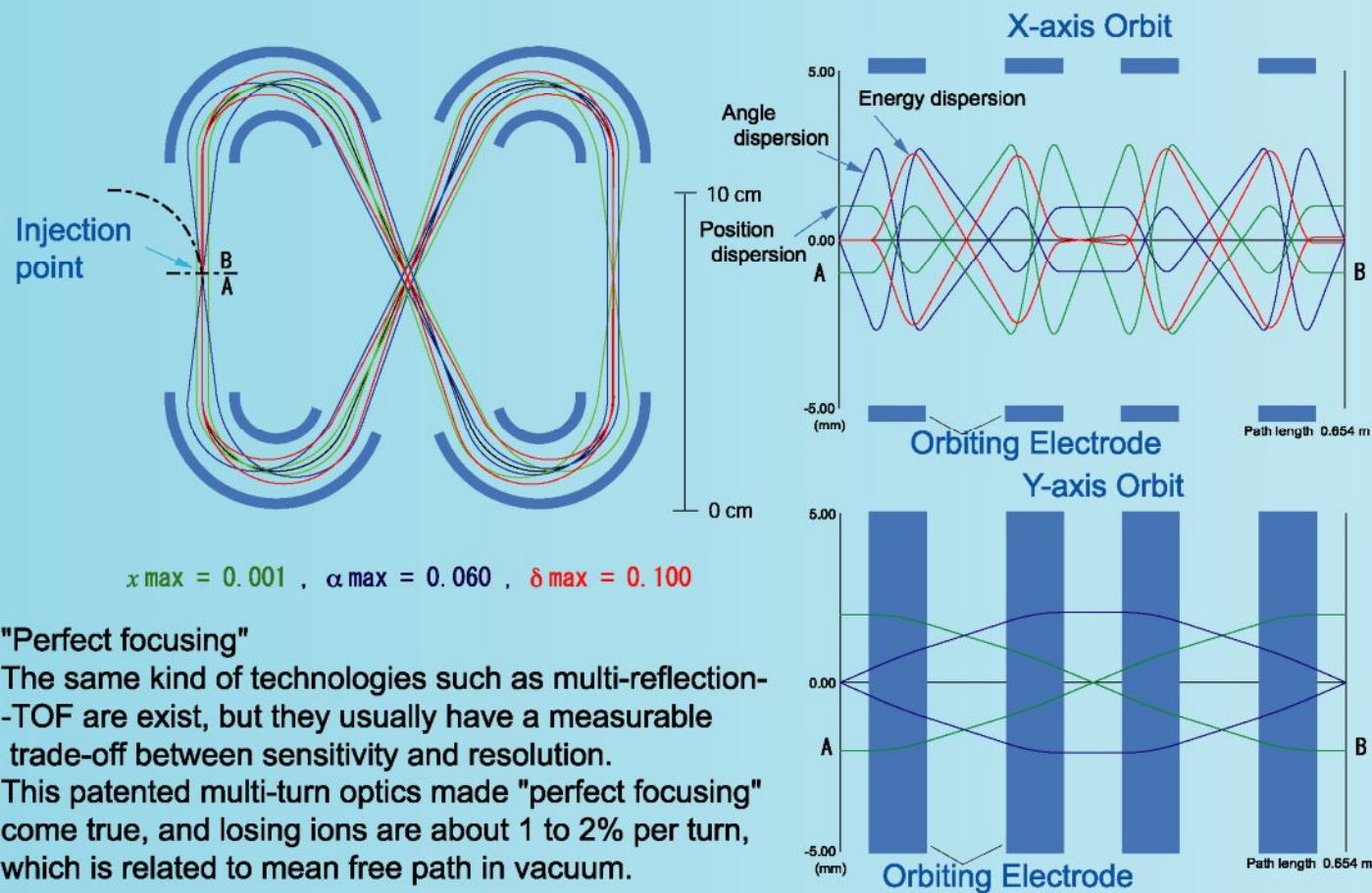
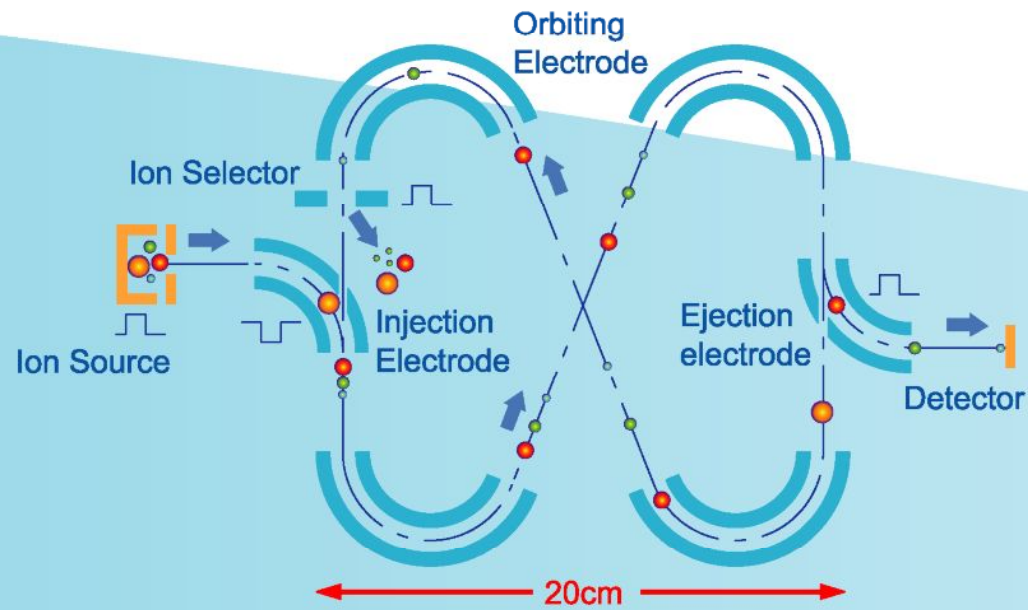




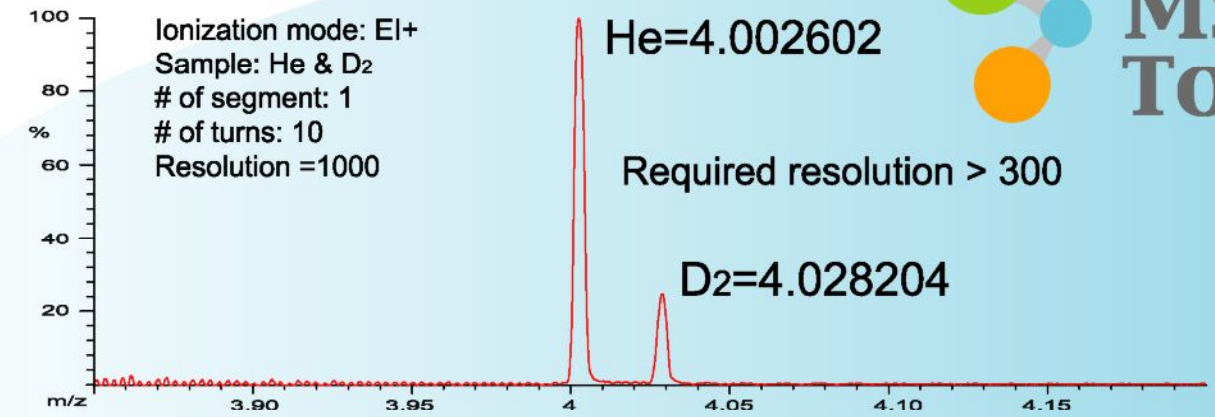
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**INFTOF**  
Hi-Resolution & Compact TOF-MS

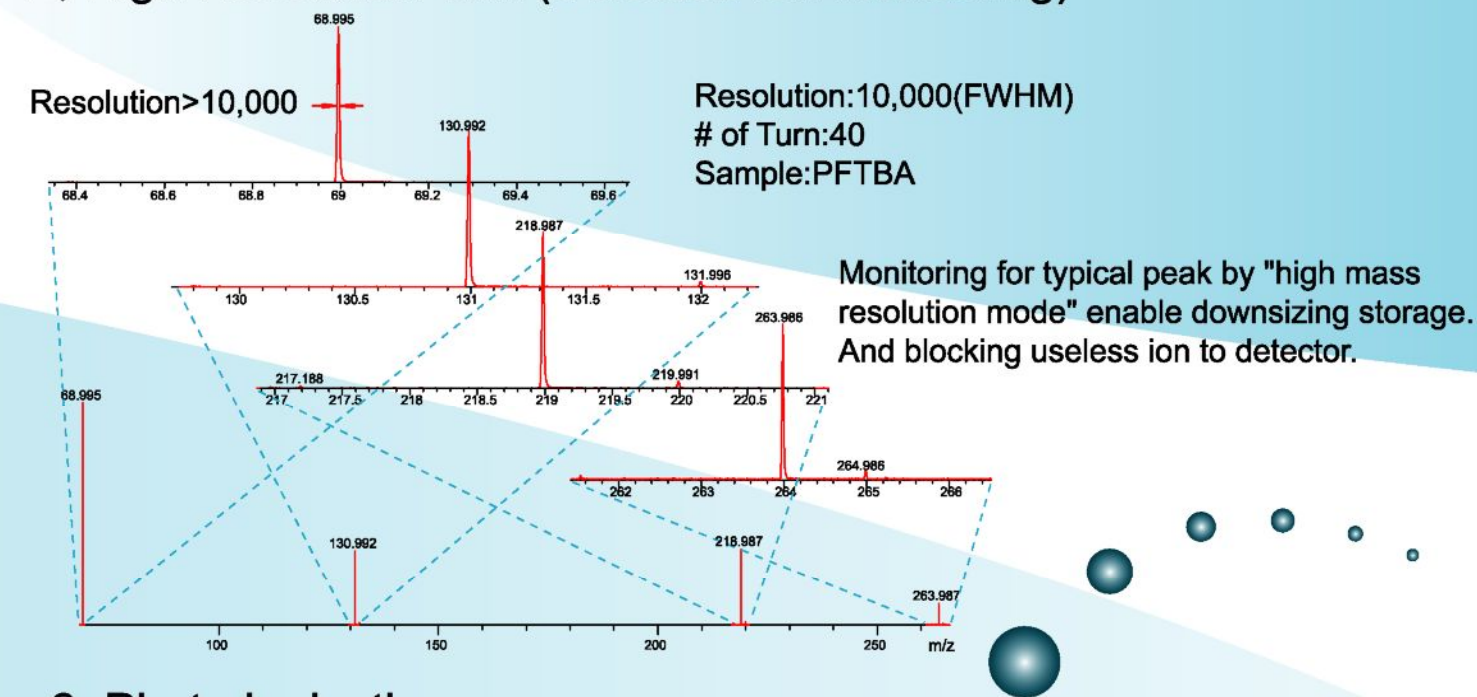
There are four orbiting electrodes and two injection/ejection electrodes on a palm-sized optics bench. The ion source gives kinetic-energy for orbiting motion in the infinite loop. Injection and ejection electrodes are synchronized with ion source pulsing triggering. Injection electrode has to be in the on state while ions enter the analyzer, then has to be turned off before first ion (smallest ion) returns to it. Orbiting electrodes are constant, so orbiting ion can be held until ejection electrode is ON



### 1, He and D2 monitoring



### 2, High Resolution SIM (Selected Ion Monitoring)



### 3, Photo Ionization

