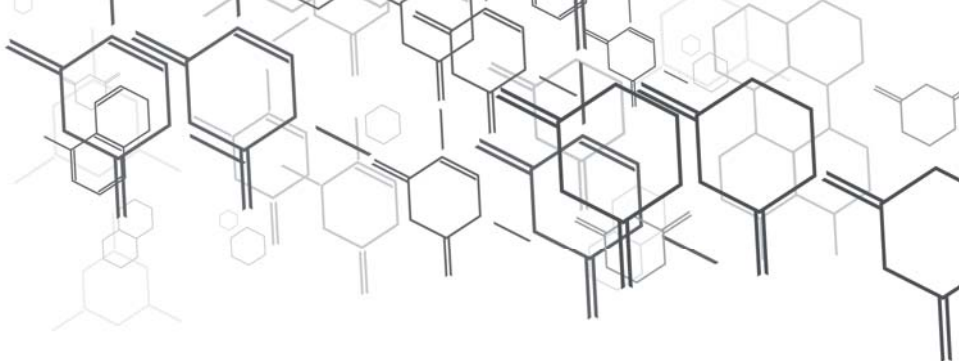
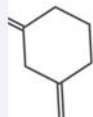


## Solutions for Portable Instrumentation



Scanning /Transmission Electron Microscopes (SEM/TEM) are sophisticated equipments having at their heart a very delicate and expensive electron emitter. The electron emitter is very sensitive to gas contamination. Its performances, as well as its usable life, do depend on the vacuum level around it. Better performances and longer usable life are ensured by improving the vacuum in the gun area.

Mass Spectrometry is surely one of the most important and more widely applied analytical technologies, both alone as well as in combination with other analytical techniques, such as gas chromatography, which further enlarges its range of application.



In addition to the well established laboratory applications, the use of mass spec has recently seen a new era in portable instrumentation specifically dedicated to environmental monitoring and emergency response.

Portable instrumentation are quite demanding in that they need good vacuum condition but, at the same time, very small and light pump with extremely low power consumption, to ensure a long operation life in the field. The CapaciTorr pumps provide the ideal solution thanks to their compactness, lightness and possibility of operation without power.

HAPSITE portable Gas Chromatograph/Mass Spectrometer made by INFICON. A NEG pump provided by SAES Getters is its primary vacuum pump for portable use.

Boost your product performance with SAES Getters solutions:

- **NEXTorrPump**
- **CapaciTorrPumps**

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[neg\\_technology@saes-group.com](mailto:neg_technology@saes-group.com)

[www.saesgetters.com](http://www.saesgetters.com)

*This paper contains no confidential information*