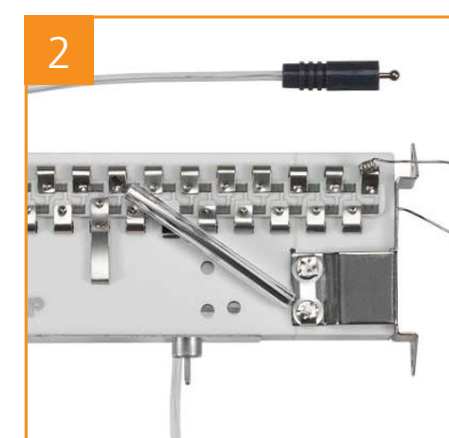


MAXIMIZE LAB EFFICIENCY WITH UNPARALLELED SPEED AND STABILITY

NexION® 350 Series ICP-MASS SPECTROMETERS



2 Simultaneous dual mode detector—Provides over 10 orders of dynamic range and measures both high- and low-level analytes simultaneously. Also delivers the fastest data acquisition rates of any ICP-MS instrument (100,000 data points per second to keep up with the scan speed of the analyzing quadrupole), making the NexION 350 ideal for the nanomaterials field.

3 Large, open, easily accessible sample introduction area—Accommodates a wide variety of sample introduction systems that can be quickly and easily switched out to suit a particular application or matrix:

- Laser ablation for solid samples
- Liquid and ion-chromatography for speciation analysis
- Peltier cooled organic sample introduction system
- Glass or quartz cyclonic sample introduction systems

4 Low liquid uptake nebulizer—Saves money by reducing sample consumption and minimizing lab waste. Every NexION 350 ships with a concentric nebulizer and cyclonic spray chamber and can be user-defined for specific applications.

5 Free-running RF plasma generator—Unlike other systems, the NexION 350's RF generator features no moving parts for reliable, robust performance, and instantly changes to accommodate any plasma—ideal for petrochemical applications and speciation solvents.

1 Analyzing Quadrupole—Offers the highest analytical mass range available (all the way up to 285 amu) and exceptionally fast scanning for rapid peak hopping.

12 Universal Cell Technology—Offers three modes of operation (Standard, Collision or Reaction) depending on the level of performance required. Switching modes is quick and easy so users can select their required level of performance without compromising speed.

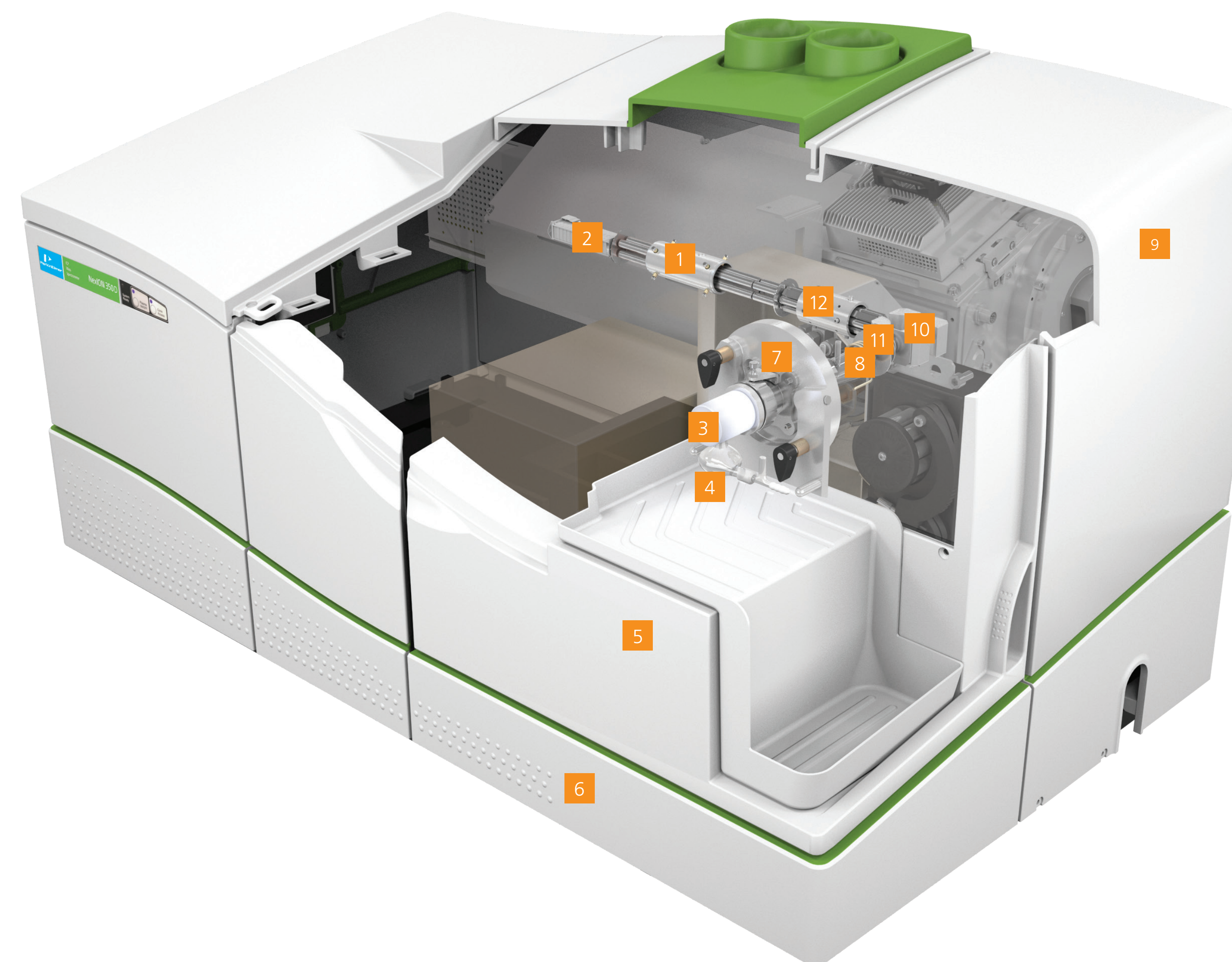
11 Triple Cone Interface—Produces the most tightly focused ion beam in the industry, reducing build-up on internal components (particularly the Quadrupole Ion Deflector) so maintenance and cleaning are virtually eliminated.

10 Quadrupole Ion Deflector—Allows only ions of a specified mass range to pass into the Universal Cell, enhancing sensitivity while keeping the cell clean—making it the only ICP-MS on the market with a cell that never needs cleaning or replacing.

9 Custom-designed, four-stage vacuum system—Features the highest capacity turbo and roughing pumps and allows the use of any collision or reaction gas in the Universal Cell. Pump down can be achieved in a fraction of the time of other systems, allowing users to get back to running samples 2-3 times faster than with other ICP-MS instruments.



8 Full color plasma view—Allows the visual inspection of the cones, torch and load coil without opening the instrument. Enables the easy optimization of plasma sampling depth and simplifies analysis of organics.



6 Benchtop design with no rear connections—Saves valuable laboratory space and allows operation and installation up against a wall.

7 Fully automated X, Y, Z torch positioning—Computer-controlled for maximum ion transmission. Offers automatic one-touch optimization which, when combined with PerkinElmer's patented PlasmaLok™ technology (for secondary discharges), completely eliminates the need for costly consumable parts (like shields) required on other instruments.

For more information, visit: www.perkinelmer.com/nexion