



Apex™

Add on DMLC



What if you could easily include Stereotaxy into your daily routine?

Every patient deserves individualized care, whatever treatment they require. The right beam shaping solution will ensure you are able to provide the flexibility in your clinical practice to offer the optimal treatment to meet your patient's needs. The new Apex add-on beam shaping solution brings additional versatility to your Elekta linear accelerator. As an add-on MLC with the smallest leaf width across the largest field size, Apex facilitates practice expansion into stereotactic treatments while enabling a range of additional clinical applications.

Building on a Strong Foundation

Apex encompasses all the physics merits of the Elekta family of DMLCs across a much larger field size of 12cm x 14cm, with a finer nominal leaf width of 2.5mm. The new design boasts a range of new features making it ideal for clinical practice expansion into SRS and SRT.

Excellent Physics Characteristics

The innovative leaf design of Apex delivers excellent physics characteristics. With the dual focused leaves following the divergence of the beam, a low uniform penumbra is created. This is supported by low transmission through the leaves to ensure low integral dose and reduced dose to organs at risk.

Maintaining Clinical Efficiency

The quick attach and release mechanism with seamless automated leaf and gantry calibration means minimal disruption to the daily workflow, while maintaining a high level of positional accuracy.

Why Apex™?

- 2.5mm high resolution beam shaping facilitating the treatment of small fields in tight spots
- Uniform low transmission and small linear penumbra across the entire field
- Sharp dose gradients reduce unwanted dose, enabling dose escalation
- Easy attach and release mechanism for minimal impact on daily workflow
- Largest treatment aperture of 12 cm x 14 cm with interdigitation for flexibility in treatment techniques

Expanding Clinical Flexibility

With the largest treatment aperture and with interdigitation, it provides the flexibility to treat a greater range of clinical conditions than previously possible with other add-on MLCs. With the 2.5mm leaf width, Apex provides the ideal beam shaping for stereotactic indications.

Supported by the ability to deliver a range of treatment techniques including static, and dynamic techniques up to 18MV, Apex ensures that treatment delivery can be optimized for each patient. It provides the opportunity to achieve optimal plan quality with a high degree of positional accuracy, independent of plan complexity.

Apex is not available for sale or distribution in all markets. Approval of indications may vary between different countries. Additional regulatory clearances may be required in some markets.



ABOUT ELEKTA

Elekta's purpose is to invent and develop effective solutions for the treatment of cancer and brain disorders. Our goal is to help our customers deliver the best care for every patient. Our oncology and neurosurgery tools and treatment planning systems are used in more than 6,000 hospitals worldwide. They help treat over 100,000 patients every day. The company was founded in 1974 by Professor Lars Leksell, a physician. Today, with its headquarters in Stockholm, Sweden, Elekta employs around 4,000 people in more than 30 offices across 24 countries. The company is listed on NASDAQ OMX Stockholm.



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