

## RRCAT partners with BD India to roll out first batch of sterilised medical devices

20 October 2022 | News

**BD exploring benefits for Venflon Pro, for the Indian market and to use the facility for global supplies as well**

BD India has partnered with Raja Ramanna Centre for Advanced Technology (RRCAT), a unit of the Department of Atomic Energy, Government of India, for sterilisation of one of its medical devices, Venflon Pro by electron beam (e-beam) technology, at RRCAT's Indore facility.

The e-beam facility is entirely designed and developed by scientists and engineers of RRCAT. It is the only such facility that is approved by regulatory authorities for irradiation of class A and Class B medical devices in India and is also ISO – 13485 certified.

This pivotal partnership is a defining step toward medical device manufacturers realising the benefits of e-beam technology in the country. It also will potentially advance India's local equipment processing infrastructure, thereby enabling the realization of the Prime Minister's vision of *Atmanirbharta*.

Currently, medical device sterilisation is dominated by two technologies – ethylene oxide (EO) gas and gamma radiation – which account for 48% and 41% of the market, respectively. Electron beam has advantages over both these processes in terms of enhanced safety and security and minimal ecological effects.

RRCAT's unique e-beam sterilization technology ensures a cost-effective, scalable, and efficient platform for processing medical devices and pharmaceuticals in India. With this technology, medical devices can be sterilised in their final packing by using the penetrating power of high-energy electrons.