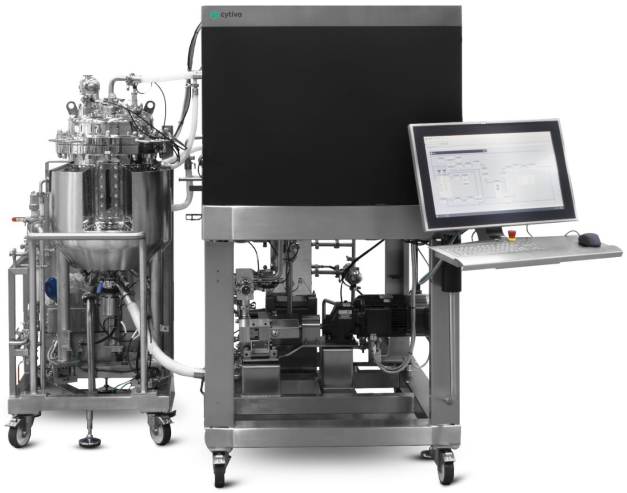
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Cytiva introduces automated TFF system in India to support biopharma scale-up across Asia Pacific

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Pune-developed platform targets vaccine, biosimilar and biotech manufacturers



Cytiva, a Danaher company, has launched a next-generation automated tangential flow filtration (TFF) system developed and manufactured at its Custom Engineering facility in Pune, targeting biopharmaceutical manufacturers seeking to scale production from process development to Good Manufacturing Practice (GMP) manufacturing.

The system, built on UNICORN software, is designed to standardise downstream processing, reduce process variability and simplify technology transfer as biopharma companies expand manufacturing capacity.

Cytiva will initially introduce the platform across Asia Pacific, responding to growing demand for locally developed and scalable bioprocessing solutions. The launch underscores the growing role of India’s engineering and manufacturing capabilities in supporting the global biopharmaceutical supply chain, particularly as manufacturers look to improve operational efficiency and reduce the complexity of scaling production.

The automated platform is aimed at emerging biotechnology companies, vaccine and biosimilar manufacturers, plasma producers and contract development and manufacturing organisations (CDMOs). It supports automated ultrafiltration/diafiltration (UF/DF) and microfiltration (MF) workflows, with a common software environment intended to facilitate process transfer and operator training across TFF and chromatography systems.

The system is available with tank configurations of 50 litres, 100 litres, 200 litres and 500 litres, allowing manufacturers to expand capacity incrementally as production requirements evolve. The platform also offers sensor options and additional capabilities to accommodate changing process needs without requiring extensive equipment redesign or process re-engineering.