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China's MGI Tech unveils next-gen 'Data Mining Machine' for genomics

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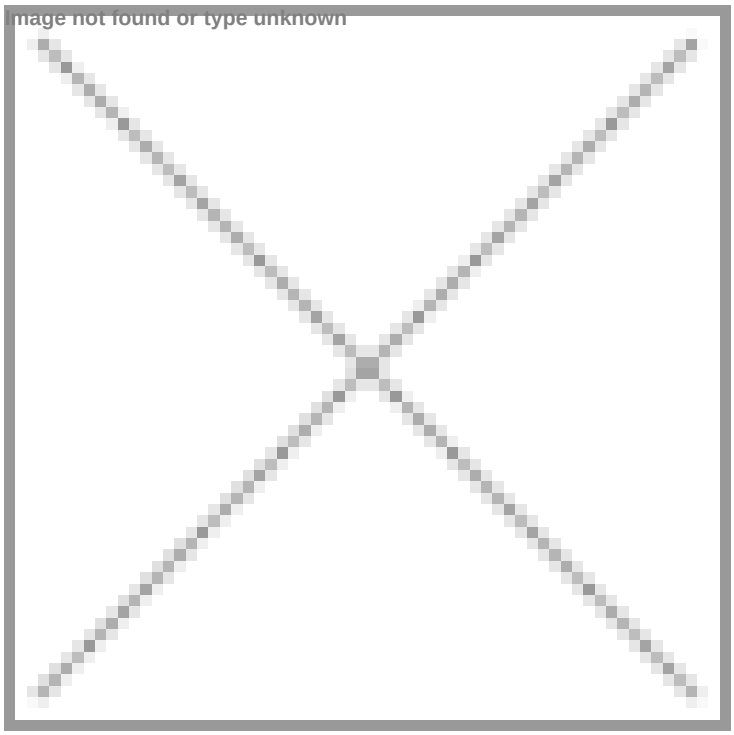
T7+ enables researchers to sequence 144 human genomes in a single day



China-based MGI Tech Co., Ltd. (MGI), a company dedicated to developing core tools and technologies that drive innovation in life sciences, has announced the launch of the DNBSEQ-T7+, its latest high-throughput sequencer.

Designed to meet the rising demand for large-scale genomic research, the T7+ delivers more than 14 Tb/day of data in just 24 hours while offering a smaller footprint, flexible run configurations, and end-to-end automation. Internally dubbed a "data mining machine," the T7+ redefines high-throughput sequencing by combining daily output with ease of use and multi-omics versatility.

The T7+ enables researchers to sequence 144 human genomes in a single day, accelerating breakthroughs in cancer genomics, rare disease research, and precision medicine.

The T7+ integrates MGI's proprietary DNBSEQ™ technology with next-generation fluidics, optics, and bioinformatics, creating a platform that is faster, smarter, and more versatile than ever before. The compact system supports 1–4 flow cells per run, adapts to projects of any scale, and integrates every step—from DNB preparation to bioinformatics analysis—into a fully automated workflow.

Early adopters of the T7+ are already deploying it in population-scale studies, where its short-read power, combined with cyclone long-read data, enhances structural variant detection and rare disease analysis. Others are pairing the T7+ with long-read platforms for single-cell studies, opening new opportunities in understanding genetic diversity and cellular complexity.

T7+ is now open to order. International shipments begin in late 2025.