A sequencer for every lab. Every budget. Every need.

Only Illumina offers a complete line of sequencers. Delivering the highest data quality. Supporting the broadest range of applications. Offering the easiest workflow. Powering the largest number of publications.

Sequence more at www.illumina.com/portfolio

Continuing to redefine the trajectory of sequencing.

New advances in the HiSeq™ family of sequencers.
600 Gb, and counting.

Highest output. Unmatched cost-effectiveness. The highest data quality. Optimized user interface. The Illumina HiSeq family of sequencers sets a new standard in next-generation sequencing to empower your research.

We’re accelerating the pace of sequencing again, with the new TruSeq™ v3 reagent kits and software. HiSeq sequencers will be even more powerful— letting you sequence up to 600 Gb of high-quality data in a single run.

- Software – Improved image analysis increases data yield at high cluster density
- Reagents – Greater coverage uniformity, enabling high performance at significantly increased cluster densities

HiSeq Systems Performance
TruSeq v3 Cluster Generation, v3 SBS Kits, and HCS 1.4

<table>
<thead>
<tr>
<th></th>
<th>HiSeq 2000</th>
<th>HiSeq 1000</th>
<th>HiScan SQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output</td>
<td>Up to 600 Gb</td>
<td>Up to 300 Gb</td>
<td>Up to 150 Gb</td>
</tr>
<tr>
<td>Reads per run</td>
<td>Up to 6 Billion</td>
<td>Up to 3 Billion</td>
<td>Up to 1.5 Billion</td>
</tr>
<tr>
<td>Performance</td>
<td>&gt; 80% above Q30 at 2 x 150 bp</td>
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</table>

Pushing the envelope. 1,000-fold improvement in just four years.

Sequencing Run Parameters

<table>
<thead>
<tr>
<th>Run form at: 2 x 150 bp</th>
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</thead>
<tbody>
<tr>
<td>Output per run</td>
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<tr>
<td>Output per day</td>
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</table>

Over the last few years we’ve scaled from targeting 1 Gb on the Genome Analyzer to generating in excess of 1 Tb internally on the HiSeq 2000.

* R&D configuration not supported at launch

Driving the highest data quality.

Every Illumina sequencer is powered by TruSeq—the technology that delivers the most accurate human genome at any coverage.

- Highest coverage uniformity and lowest number of gaps
  - Lowest risk of missing variants
- Best raw accuracy based on verifiable data
- Highest percentage and yield of error-free reads
- Most sensitive and specific SNP and indel detection

Making sequencing easier.

TruSeq sequencing reagents and Illumina’s proprietary Nextera™ library preparation provide a streamlined workflow that is economical and scalable, delivering industry-leading accuracy for sequencing studies. Driving down the cost of genome and transcriptome sequencing. Accelerating the time to discovery.