

## 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  
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HiSeq™ 2000

HiSeq™ 1000

HiScan™ SQ

Genome Analyzer IIx

MiSeq™

### WORLDWIDE HEADQUARTERS

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Pub No. 070-2011-005 Current as of 28 April 2011

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# Continuing to redefine the trajectory of sequencing.

New advances in the HiSeq™  
family of sequencers.



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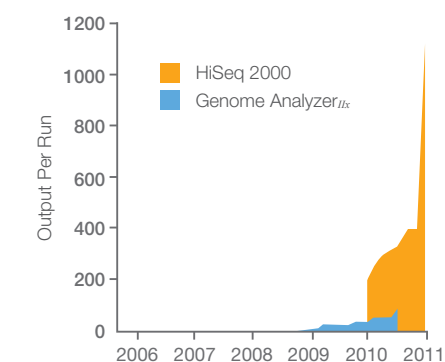
## Pushing the envelope. 1,000-fold improvement in just four years.

### Sequencing Run Parameters

Run form at: 2 x 150 bp	
Output per run	1.13 Tb
Output per day	81 Gb

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



## 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

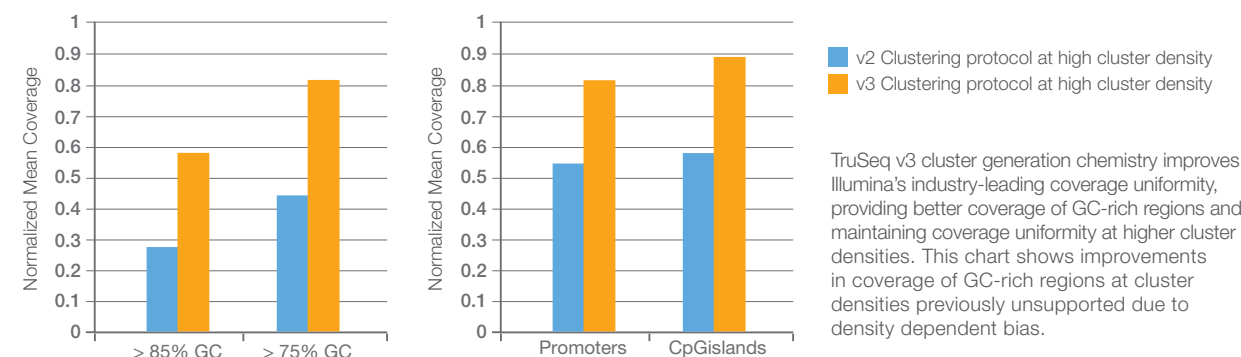
### HiSeq Systems Performance TruSeq v3 Cluster Generation, v3 SBS Kits, and HCS 1.4

	HiSeq 2000	HiSeq 1000	HiScan SQ
Output	Up to 600 Gb	Up to 300 Gb	Up to 150 Gb
Reads per run	Up to 6 Billion Paired-end	Up to 3 Billion Paired-end	Up to 1.5 Billion Paired-end
Performance	> 80% above Q30 at 2 x 100 bp		

## 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.