

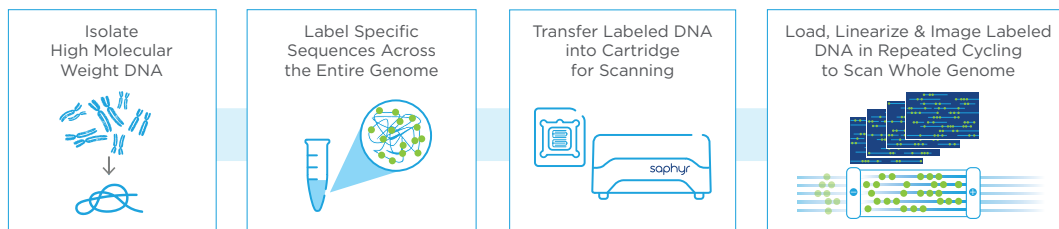
Increase Scalability and Flexibility with Bionano Compute On Demand

Bionano Compute On Demand is a pay-per-use solution accessible through Bionano Access web server for your Bionano Solve operations. Compute On Demand simplifies the way you perform genome assembly, hybrid scaffolding and structural variant analysis, without the need of any additional infrastructure, giving you the flexibility and scalability your experiment deserves.

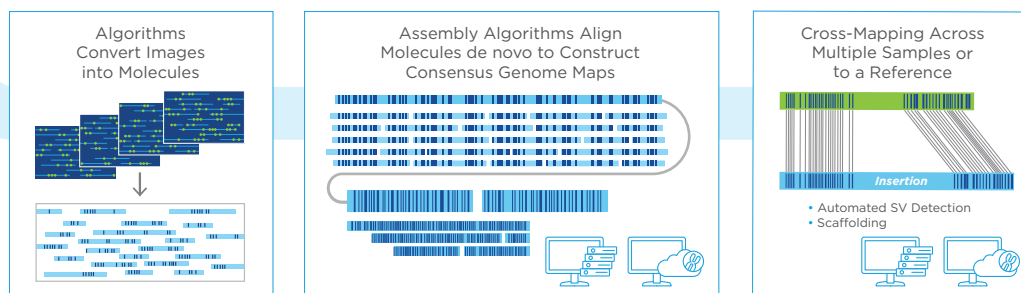
Advantages include:

- Analyze large genomes and high number of samples simultaneously
- Perform pipeline analysis operations without worrying about server capacity
- Data encrypted for secure operations
- Data centers compliant with IPAA, CSA, SOC2, ITAR regulations
- Genomic data accessible only to end users and deleted post-processing

SAPHYR® WORKFLOW



High-throughput, High-resolution Imaging of Megabase Length Molecules



OVERVIEW OF COMPUTE OPTIONS

Choose the right option or a combination for your computing needs



COMPUTE SERVER

- Expect to run servers for >25% of the time
- Execute consistent loads
- Internet access not permitted



COMPUTE ON-DEMAND

- Execute variable workloads
- No upfront server costs required
- Receive data from service providers
- Work on large genomes

Learn more at bionanogenomics.com/computeondemand

REPRESENTATIVE RANGES FOR BIONANO SOLVE PROCESSES

	US Tokens	Europe Tokens	Time to complete
Human, 80X effective coverage* (<i>de novo</i> assembly and SV calling)	8	11	21 hours
Human, 300X effective coverage* (rare variant pipeline, SV calling and variant annotation)	11	13	33 hours
Human, 60X coverage* (hybrid scaffolding, with DLE-1 enzyme)	2	2	12 hours
Emmer wheat, 60x effective coverage*	48	60	5 days
Maize, 60x effective coverage*	8	10	18 hours
Hummingbird, 60x effective coverage*	5	6	10 hours

Assembly runs may vary based on quantity and quality of the input data
Good quality data as defined as having MR > 80%, molecule N50 (>20kbp) > 180kbp

**de novo* assemblies without a reference will require more processing to first generate an automatic rough assembly.

To get started, contact your sales representative or email orders@bionanogenomics.com

CATEGORY	Part No.	Product
COMPUTING	80013	Saphyr Compute Server
	80014	Bionano Compute Server
	90047	Bionano Compute On-Demand, US
	90052	Bionano Compute On-Demand, Germany
	90060	Bionano Compute On-Demand, Europe

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