

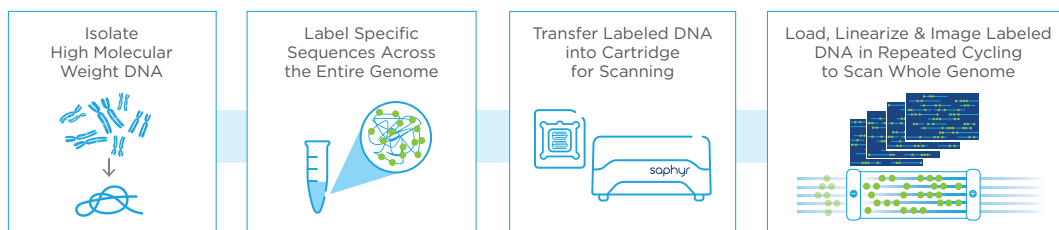
## Increase Scalability and Flexibility with Bionano Compute On Demand

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.

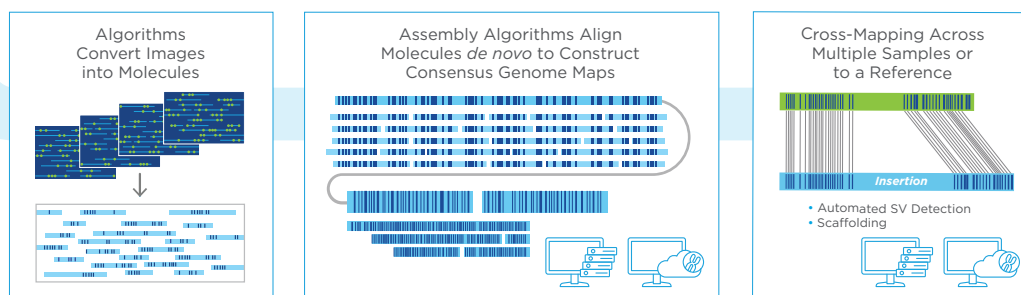
### Advantages include:

- 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 up to 24 Gbp genome size

Learn more at [bionanogenomics.com/computeondemand](https://bionanogenomics.com/computeondemand)

## REPRESENTATIVE RANGES FOR BIONANO SOLVE PROCESSES

	US Tokens	Europe Tokens	Time to complete
<b>Human, 80X effective coverage*</b> ( <i>de novo</i> assembly and SV calling)	6	7**	9 hours
<b>Human, 300X effective coverage*</b> (rare variant pipeline, SV calling and variant annotation)	7	8	9 hours
<b>Human, 60X coverage*</b> (hybrid scaffolding, with DLE-1 enzyme)	1	1	6 hours
<b>Emmer wheat, 60x effective coverage*</b>	31	33	33 hours
<b>Maize, 60x effective coverage*</b>	15	16	15 hours
<b>Hummingbird, 60x effective coverage*</b>	5	5	5 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.

Time to complete numbers are based on users of the current version of Bionano Access.

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

\*\*For human, 80X effective coverage, German-based servers are 12 tokens and take 12 hours to complete.

To get started, contact your sales representative or email [orders@bionanogenomics.com](mailto:orders@bionanogenomics.com)

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

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