

# Asking Whether to Build or Buy? Advantages of the Geospiza Finch® Suite



*Leaders Trust the Power of Finch*

When compared to custom, in-house built solutions, the Geospiza Finch Suite provides a less risky, more cost-effective platform for managing all your sequencing data production activities—from order to instrument to delivery of analyzed results.

With the Finch Suite, customers can realize a greater than 2-fold increase in sequencing throughput, and reduction of data delivery times from hours to seconds. The software adheres to the highest standard of scientific excellence and data integrity, helping to ensure that results supplied to researchers are received with a high level of confidence.

## **Less Risky to Build and Deploy**

It has been shown that only 10 - 20% of custom software development projects are delivered on time and under budget. Geospiza has invested more than eight years of software development expertise in partnership with customers to develop the Finch Suite, an out-of-the-box solution that can be deployed in hours.



## **Proven Ability to Increase Productivity and Efficiency**

From emerging biotechnology companies to large global biopharmaceutical organizations, customers find that the Finch Suite, and its automated pipeline process, improves their productivity. Throughput increases of 200% or more with the same staff are common. Labor intensive activities, like writing CD's and manually transferring data by non-secure FTP sites, are eliminated, allowing data delivery times to be reduced from hours to seconds.

## **Easier to Scale and Upgrade**

With re-sequencing efforts at an all time high and efforts to sequence genomes from non-human sources accelerating, nearly every core facility and research lab in the life science industry faces sharp increases in their volume of DNA sequencing. These increases are causing first-generation systems to fail under the pressure of increasing loads. The Finch Suite is scalable to support a lab to expand from producing less than 50,000 to millions of chromatograms. The system is also easy to upgrade and provides effective schemes for archiving older or non-active data.

## **Built on Scientific Excellence**

Through its open design and pipeline architecture, the Finch Suite allows you to integrate custom-developed or industry-proven tools for processing

sequencing data—including algorithms and software interfaces for basecalling, vector masking, screening for inserts and sequence assembly. Out-of-the box, the software allows you to connect with its automated pipeline structure to facilitate sequencing analysis throughput. Further, the Finch Suite provides core facility bioinformatics staff and IT teams with the tools to upgrade the system with current and future data processing and workflow processes.

## **Backed by Professional Support**

Custom solutions are often supported by core lab staff, or even part-time graduate students, that provide support when the system fails or researchers have questions about bioinformatics applications used to process their data. The Finch Suite is backed by a highly-skilled team of software engineers, professional services consultants, support technicians, and training personnel from Geospiza that ensure that you get the answers you need to keep your system running efficiently.

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