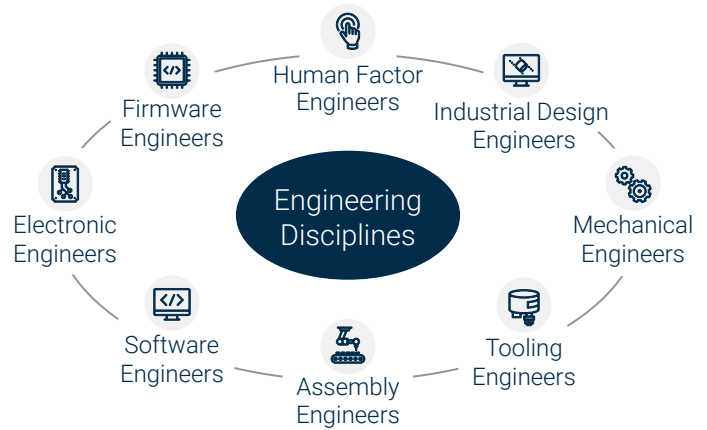


# Extensive Engineering Services

Accelerate development with expert, multi-disciplinary engineers

Our engineering expertise helps speed your time to market by reducing the number of design cycles, thereby lowering development costs whilst delivering robust, patient-centric, scalable solutions. With over 3,000 engineers across various disciplines, Jabil offers unparalleled breadth, depth, and expertise across multiple specialities to bring best-in-class solutions. Our experience and expertise, along with innovative production processes and new automation technologies, help streamline development and production. These disciplines exist in a central, customer-focused organization within Jabil to provide you with a single point of accountability and access to a multi-disciplinary team that shares common objectives to deliver a holistic solution.



## ENGINEERING SERVICES MADE BETTER WITH:

**Advanced Mechanical Engineering**



**Conceptual Engineering**



**Engineering**



**Health Engineering**



**Value Engineering (VAE)**



## ADVANCED MECHANICAL ENGINEERING

Jabil provides access to state-of-the-art simulation modelling tools and deploys these simulations from design concept selection throughout the product lifecycle. This allows you to develop an understanding that can inform a risk-based approach to exploring the design space of a combination drug product. The benefits of this standard approach include:



### ACCELERATE DEVELOPMENT

Systematic modelling supported with targeted, experimental testing can reduce the number of design cycles and speed development.



### LOWER DEVELOPMENT COSTS

Mechanistic understanding of the design supported by targeted experimental data reduces resource and device verification testing and materials.



### IMPROVED PROCESS UNDERSTANDING

Our engineers work with you to implement the optimal manufacturing and assembly control strategy, and to scale from clinical to commercial scale with a high degree of confidence in delivering solutions with industry standard process capabilities.

## CONCEPTUAL ENGINEERING

Technology innovators and market disruptors know when opportunities for new products exist, but conceptual engineering gives businesses a systematic way to answer the question, “What do consumers / patients want and need?” With Jabil’s manufacturing expertise and experience, we help you make significant innovations early in the product development process by looking at materials and parts requirements, appropriate technologies, production costs, market trends, and the patient experience. We work with you on a wide range of conceptual engineering strategies, including content strategy, systems architecture, experiment design, simulation, initial cost analysis, materials identification, and design for manufacturing and assembly.

## DESIGN ENGINEERING

From design for usability, design for manufacturing and design for quality to design for sustainability, we work with your teams from the earliest phases of development to optimize product designs to meet your objectives. With Jabil’s supply chain knowledge through working across multiple business sectors, access to best-in-class suppliers across all disciplines, advanced technology and design engineering approach, you will gain a strong partner that helps accelerate your product’s time-to-market, reduce risk, assess and improve sustainability, and increase product quality and value.

## HEALTHCARE ENGINEERING AND TECHNOLOGY

Across the healthcare ecosystem there are several distinct yet interdependent players working to achieve an optimal balance between efficacy, safety, and access to treatment that is non-disruptive to everyday life. Jabil regularly reviews clinical development pipelines and strategies as well as monitoring drug delivery and regulatory trends to identify potential opportunities and technologies that support optimal drug delivery. We believe our diverse customer set offers you a commercial advantage. Your product will benefit from the broad range of customers and industrial sectors Jabil services, and our knowledge of other technologies and solutions may have direct applicability in your drug’s delivery system.

## VALUE ENGINEERING

In the evolving digital age, new technology trends and manufacturing methods require companies to keep their products and processes as efficient as possible without compromising quality. Jabil’s value analysis and value engineering (VAVE) services offer a proactive approach designed to increase value and decrease costs throughout the bill of materials, creating a seamless transition from design to manufacturing. We can eliminate expensive and time-consuming fixes by proactively diagnosing component issues and analyzing each design for manufacturing, supply chain, and environmental compliance while conducting critical tests early in the design phase. Benefits include:

- Saving time and money by simplifying designs and reducing unnecessary parts
- Securing the best component pricing from the highest quality suppliers
- Incorporating manufacturing and test best practices into a product design from the start

