

OUR PHILOSOPHY

Simple and reliable solutions to complex challenges



WHAT WE DO

Simplexity is a product development engineering firm, hired by leading technology companies to design their next generation products. In an industry of overly-complex design and production, we strive for simplicity, reducing product cost and improving reliability for our clients through our **7 Steps to Simplification Process**.



WHO WE ARE

We are mechatronics experts. If you're designing a product with motion, sensors, and electronics for scaling up into mid to high volumes, we have pre-developed solutions to reduce risk and accelerate time-to-market. Our engineers have decades of experience designing high-volume products, and learned the secrets of designing products with best-in-class cost to performance ratios.

WHY WE'RE DIFFERENT

At Simplexity, we live and breathe each customer's goals. That mission takes shape through our unique approach, dedicated focus, and extensive skills and experience.

APPROACH Simplexity's 7 Steps to Simplification process draws our clients a detailed map to the lowest-risk path for delivering products that are simpler and more reliable. At Simplexity, we're driven by asking why?, and we separate what the product must do from ways of designing it. This focus on why and how the product must work guides the rest of the design process, and it keeps our emphasis on simplicity, increases efficiency, and reduces our customers' risk. It's success through simplification.

FOCUS Simplexity's technical focus is on mechatronics and embedded motion for custom products. As such, our projects are cross-disciplinary endeavors requiring advanced skills in mechanical, electrical, computer, and controls engineering. Despite this complex web of disciplines, our dedication to mechatronics translates to simplicity for our customers. By taking a systems approach using vetted solutions for PCA design, mechanisms, and firmware, new projects rarely start from scratch. Instead, they leverage the mechatronic work we've already done, increasing efficiency and lowering risk.

EXPERIENCE Over half of the Simplexity team gained extensive experience in high-volume design and manufacturing at industry leader HP. This group is complemented by subject matter experts with advanced skills in the disciplines that make up the mechatronics field. What do these skills and experience look like? We can fix servo problems that baffle our competitors. We have designed printed circuit boards that have been commercially produced in volumes of more than 100,000 per month. In addition to optimizing gear trains for high-volume applications, our engineers have actually developed the tools Fortune 500 companies use for designing custom gear tooth profiles. Collectively, we are listed as inventors on more than 150 patents. Simply put, our engineers are both profoundly experienced and undeniably accomplished.

THE SIMPLEXITY PROMISE

You're here because you're seeking a simpler and more reliable design for your product. You want to minimize risk, and you want your final product to be efficient and to function well. You've come to the right place. At Simplexity, we find simple and reliable solutions to complex problems. And we'd love the chance to do it for you.

[CONTACT SIMPLEXITY](#)

OUR CAREER OPPORTUNITIES

We're always on the lookout for outstanding engineers who are interested in joining our team. Are your credentials top notch? Are you creative, hard-working and endlessly flexible? Most important of all, are you ready to be responsive to some of the brightest, most demanding clients working in engineering today?

If your answer is "yes", or even better, "damn right", we may need your talents. If you're also a sponge, ready and willing to soak up innovative techniques from our experienced engineers, some of the most accomplished leaders working in mechatronics today.

[EXPLORE](#)