



SIGMADESIGN is a Product Design and Engineering firm headquartered in Camas, WA. We offer professional services that support projects from Concept through Production. **SIGMADESIGN** provides turnkey solutions for projects through solid **ENGINEERING**, broad **EXPERIENCE**, and focused **EXECUTION**.



INDUSTRIAL DESIGN

MARKET RESEARCH | CONCEPT EXPLORATION & DEVELOPMENT
2D VISUALIZATION | PROTOTYPING
3D VISUALIZATIONS | GRAPHIC DESIGN | PACKAGING DESIGN
GUI ARCHITECTURE & DESIGN



SYSTEMS ENGINEERING

REQUIREMENTS MANAGEMENT
DESIGN OPTIMIZATION | COMPLIANCE
FAILURE ANALYSIS | TEST ENGINEERING
DESIGN & ARCHITECTURE
INTEGRATION ENGINEERING
SYSTEMS INTEGRATION TESTING
RISK & RELIABILITY ANALYSIS



MECHANICAL ENGINEERING

DESIGN & ANALYSIS | R&D
AUTOMATION & INTEGRATION
ELECTRO-MECHANICAL DESIGN
OPTO-MECHANICAL DESIGN
STRUCTURAL & DYNAMIC
SIMULATION | FINITE ELEMENT
ANALYSIS | DFM | COMPUTATIONAL
FLUID DYNAMICS | ROBOTICS | COST
REDUCTION DESIGN & EVALUATION



ELECTRONICS ENGINEERING

PRECISION ANALOG | HIGH-SPEED
DIGITAL | HIGH VOLTAGE | PCB LAYOUT
FLEX & RIGID-FLEX | E-APPAREL | BATTERY
CAMERA & VISION | VIDEO & AUDIO
MCU, CPU, GPU & FPGA | SI & EMI
WIRELESS



FIRMWARE & SOFTWARE ENGINEERING

C/C++/C# | MOTION CONTROLS
LOW POWER | DATA ACQUISITION
WIRELESS | UI/UX DESIGN &
DEVELOPMENT | MOBILE & DESKTOP
APPS | INDUSTRIAL CONTROLS
INCLUDING LABVIEW & PLC | SQA
BAREMETAL & RTOS



SOFT GOODS

PATTERNMAKING | TECH PACKS
PROTOTYPING | SMALL BATCH
PRODUCTION | SAMPLE PRODUCTION
TECHNICAL SKETCHES



PROTOTYPING & FABRICATION

CNC MACHINING | MJF & FDM
3D PRINTER | SURFACE GRINDER
LATHE | MILL | SAWS | WELDING
LASER CUTTING | FUNCTIONAL
PROTOTYPES | AND MORE!



CUSTOM ASSEMBLY

TOOLING MANAGEMENT
FUNCTIONAL TEST FIXTURES | DESIGN
& BUILD | SYSTEM INTEGRATION | PCB
ASSEMBLY | BOX BUILDS | CABLE
ASSEMBLY



MANUFACTURING

SUPPLY CHAIN MANAGEMENT
QUALITY MANAGEMENT | PROCESS
INVENTORY MANAGEMENT
SCHEDULING | PACKAGING
SHIPPING



TESTING

TEMPERATURE/HUMIDITY/ALTITUDE
VIBRATION/SHOCK/DROP | ESD
UL/NRTL PRE-COMPLIANCE | HUMAN
FACTORS | MIL/ASTM/IEC



PEOPLE SOLUTIONS

ON-SITE RESOURCES
DIRECT PLACEMENT
CONTRACT-TO-HIRE
PAYROLL

CERTIFICATIONS/ACCREDITATION

ITAR REGISTERED
ISO/IEC 17025:2017
Testing and Calibration Laboratories
ISO/IEC 27001 * (certification pending)
Information Security Management Systems
ISO 9001:2015
Quality Management Systems