

## OUR RESULTS



Success, driven by collaboration.

The success of a development project is driven by quality, speed and cost. Partnering with Orchid Design will result in:

### Market-Winning Products

The result of our orthopedic-focused, clinically-driven, experienced team.

### Faster Time to Revenue

Concurrent product and process development, optimal size and streamlined processes get you to market faster.

### Controlled Development Costs

Our flexible resources are your variable costs; we keep your project costs to a minimum.

### An Independent Assessment

We offer objective, independent technology assessments for your project and potential technology acquisitions.

### Enhanced IP Position

Orchid Design will create protection barriers for your key technologies, keeping you in the lead.

### A Seamless Manufacturing Transition

We can move your project directly into production at a manufacturing facility, maintaining complete responsibility and accountability.

## ABOUT ORCHID

Orchid Orthopedic Solutions is a worldwide leader of medical device outsourcing services, providing expertise to partners in more than 20 countries through a complete offering that ranges from design and development to finished goods manufacturing. One of Orchid's goals is to be the market leader and our customers' strategic partner by providing reliable results, developing new technologies and creating the best total supply chain value in the industry.

## CONTACT US TODAY

Make your ideas a reality.

# ORCHID DESIGN

Orchid Design is a division of Orchid Orthopedic Solutions.

### Shelton Office:

80 Shelton Technology Center  
Shelton, CT 06484-6404 USA  
Phone: +1 (203) 922-0105  
E-mail: PD@orchid-ortho.com

### Memphis Office:

4600 East Shelby Drive, Suite 1  
Memphis, TN 38118-7427 USA  
Phone: +1 (901) 433-1990  
E-mail: PD@orchid-ortho.com

[www.design.orchid-ortho.com](http://www.design.orchid-ortho.com)

# Orthopedic Product Development

Complete Development Capability Under One Roof

## PARTNER WITH US

Build in competitive advantage early on for your next orthopedic innovation.



A partnership with Orchid Design will provide the product development, regulatory and quality systems resources you need to complement and expand your internal capabilities. As a full service provider, we can handle your entire project or provide "a la carte" support to fill gaps and increase speed to market. With us you can complete more projects, reduce risks and costs, and add valuable creativity and experience to the process.

Our clinically driven experience with implants, instrumentation and minimally invasive technologies, coupled with our state-of-the-art facility that includes common CAD software, biomechanical labs, and a CNC and additive prototype shop, set us apart. Together with our experienced staff, FDA registration and ISO-certified quality systems, we offer you the highest possible achievement in processes, documentation and products.

# ORCHID DESIGN

# OUR CAPABILITIES

With facilities designed for speed, we offer comprehensive development capability under one roof.

## Innovative Concept Development and Feasibility Assessment

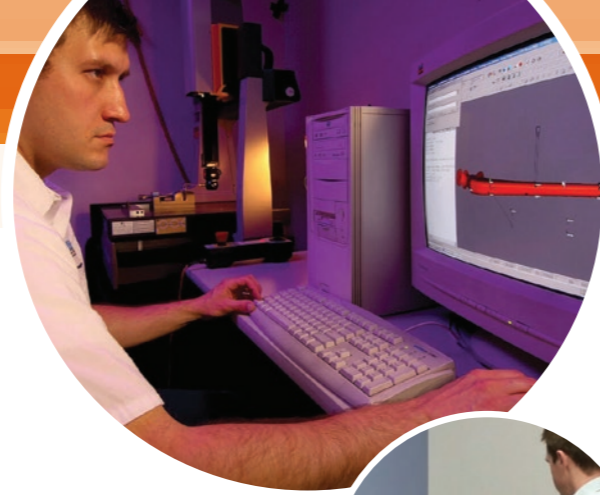
New or alternative design approaches to enhance your competitive and IP position will be created and critically evaluated through analysis, prototyping and testing.

## Comprehensive Design Services

Employing the most common and widely used CAD software (Creo®, Unigraphics / NX™, SolidWorks®), we will rapidly generate ergonomic, cost-effective and robust product designs.

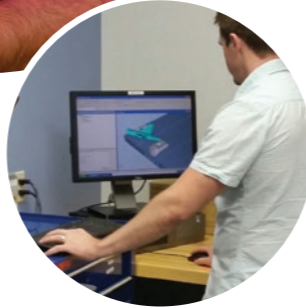


Creo® is a registered trademark of PTC Inc.  
NX™ is a trademark of Siemens.  
SolidWorks® is a registered trademark of Dassault Systèmes SolidWorks Corporation.



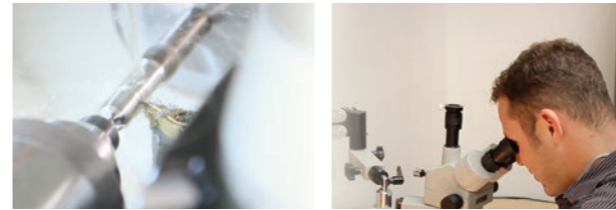
## Rapid Prototyping

Cutting edge, 3-D additive manufacturing techniques and CNC fabrication capabilities reduce design iterations and time, producing functional prototypes that eliminate cost and risk from your project. With a dedicated prototype shop, we can produce small scale, qualified clinical products for device validation, market evaluations and clinical trials, as well as special instruments to meet your needs.



## Qualification Testing

Using computational models, mechanical tests and animal and cadaver evaluations, we guide product development through all stages and levels of device design to ensure conformance.



## Design Transfer

We integrate Design Transfer activities in our product development process as early as possible to ensure a smooth transfer to manufacturing. Cost targets, materials and processes are identified early in the project and our experienced manufacturing engineers are part of the development team from the very beginning. This ensures efficient transition to full-scale production at an Orchid manufacturing facility or the supplier of your choice.



## Quality and Regulatory Services

Our team has the expertise to develop comprehensive regulatory submissions for 510(k), CE and other international approvals, whether integrated into a development project or provided as a stand-alone service. We also provide compliance support for registrations and device listings, recalls, labeling and adverse event reporting. Our Quality Assurance professionals can build a Quality System that's efficient and appropriate to the size and nature of your business. We also offer training services and internal and supplier auditing.

## Orchid's 5-Phase Product Development Process



**ORCHID DESIGN**