

FROM CONCEPT THROUGH SCALED PRODUCTION

New Product Development & Introduction

Take your product from idea to volume manufacturing with a proven, hands-on NPDI process.

THE CHALLENGE

Taking a product from concept to volume manufacturing is fraught with challenges. Teams that start designing without clear requirements, or move to a contract manufacturer without a plan, face repeated redesigns, costly delays and quality problems at ramp.

HOW PRG HELPS

PRG helps you develop clear requirements from the start, then provides the product development and manufacturing engineering resources to execute. We build a cost-effective plan from idea to market and partner with your team to deliver it, increasing your chance of first-pass success.

Core Capabilities

OUR EXPERTS HELP YOU WITH

- ✓ **Product-Market Fit**
Product-market fit and time-to-market analysis
- ✓ **Product Development Engineering**
Engineering from concept design through prototypes
- ✓ **Design Review**
Review your design for risk and manufacturability
- ✓ **Manufacturing Engineering**
Processes, tooling and production readiness
- ✓ **Risk Mitigation**
Surface and resolve issues before they cost you
- ✓ **CM Introduction**
Transfer and ramp production at your manufacturer

YOUR PROGRAM INCLUDES

- ✓ **An In-Depth Product Review**
Determine exactly which activities you need
- ✓ **A Tailored Action Plan**
A cost-effective strategy from idea to market
- ✓ **Hands-On Execution**
PRG experts working side by side with your team
- ✓ **Product Development Engineers**
Hands-on engineers to design and build your product
- ✓ **Supply Chain Guidance**
Recommendations for suppliers and logistics
- ✓ **An NPI Team on Demand**
Program, operations, product and supply chain experts

What Our Clients Say

“

PRG was an outstanding partner throughout the HAPS-200 volume production effort. ... Their expertise in NPI, manufacturing readiness, and quality systems was instrumental to our success.

Robert Bisaillon, VP of Operations, Synopsys

“

Working with PRG was a game-changer for Gradient. Their expertise in NPDI provided the structure and clarity we needed to navigate the complexities of our product development process.

Jeff Rosen, COO, Gradient

Our Approach

01 Assess

Review your product and needs

02 Action Plan

A plan for your product and budget

03 Execute

PRG staff work with your team

Success Stories



CM INTRODUCTION

Synopsis

Doubling HAPS-200 capacity

Synopsis expanded production to a second contract manufacturer. PRG led the NPI effort: planning, custom fixtures, visual work instructions, technician training and test scale-up, reaching full production ramp in under 4 months at double the capacity.

PRG SOLUTION

NPI leadership



PRODUCT DEVELOPMENT

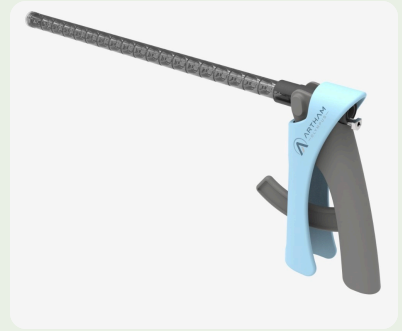
HNI

Arm product, concept to tooling

PRG supported HNI's new arm product through concept design, detailed part design, prototype builds and tooling execution, bringing hands-on engineering and program structure to each stage.

PRG SOLUTION

Concept, prototypes & tooling



MEDICAL DEVICE

Artham

Functional prototypes for demo

PRG supported Artham's medical device through concept development and functional prototypes, delivering a working prototype Artham used to demo to a medical device company.

PRG SOLUTION

Concept & functional prototypes

Key Benefits

Faster Time-to-Market

Accelerated schedules

Lower Costs

Less rework and waste

Reduced Risk

Issues resolved before launch

Repeatable Processes

Key documents for consistency

Ready to bring your next product to market?

Talk to a PRG new product development and introduction expert.

Get In Touch at prgnpi.com/contact →

Go deeper: White papers, *The Role of Requirements in New Product Development* and *Switching Contract Manufacturers*