

LIMEDESIGN

Product Development

Product Development Information Package and Inventor's Guide



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Introduction

We are on a mission, are you?

Mission Control for Lime Design is based in beautiful Hollywood, Florida, and serves as the main hub for superior design, engineering, prototyping, and manufacturing services for inventors, entrepreneurs, startups, and large companies alike. From early **concept to complex manufacturing**, Lime's human-centered development process serves as a platform to develop innovative products for any industry. We are continually adding fresh talent to Lime's **Design, engineering, and marketing** teams to offer the edge needed to thrive in today's competitive market.

Greener by design

We prefer to inspire people and use only the best products possible that do not advance the environmental crisis we face. We strive to perform the majority of services in-house to reduce our footprint and encourage **USA manufacturing** when possible, however, we do maintain a large network of **manufacturing partners** based throughout the world to serve the diverse needs of our clients.

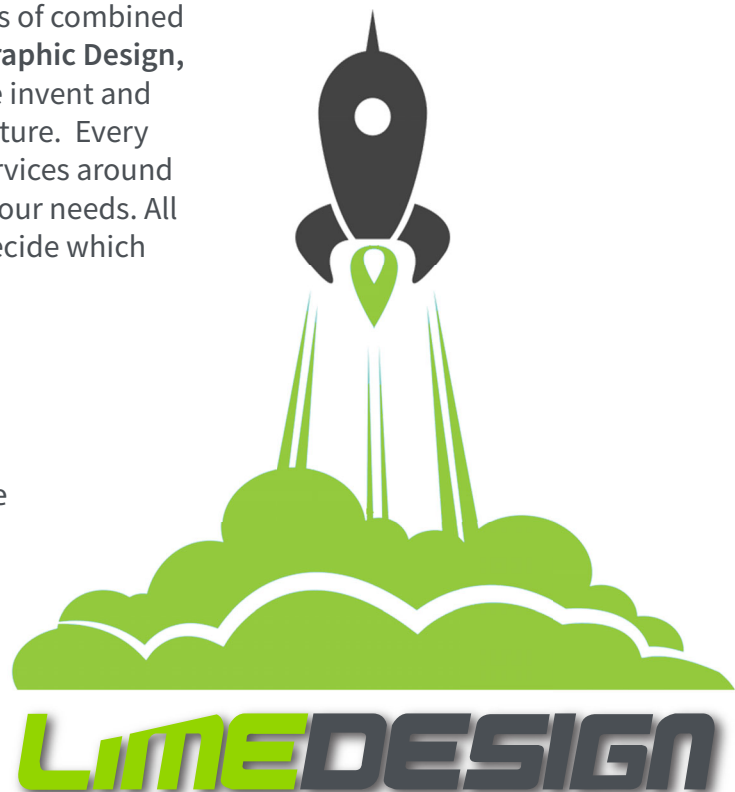
Our Team

At Lime, we are inventors at heart but we are also **designers, strategists, and creative problem-solvers!** Our brilliant creative team consists of talented, highly-trained professional creatives with 40+ years of combined experience in **Product Development, Branding, Web and Graphic Design, SEO, Animation and more.** In Addition to helping others, we invent and create our own products too, which we license and manufacture. Every product, project, and inventor is different, we offer many services around design, engineering, prototyping, and manufacturing to fit your needs. All consultations are free of charge and designed to help you decide which services will accomplish your goals.

Our Clients

From household brands to household inventors, we work with clients from all walks of life to take their ideas and make them into successful products! Our team is here to give you the creative edge needed to win! From on line e-commerce outlets to televised home-shopping networks to brick-and-mortar big box retailers, we've engaged with retailers across all avenues.

Are you ready to start your mission?



Our Product Development Process

Concept Development



The first Step in product development is to define and consider the idea, surface potential problems and collect data. We perform deep market research and analysis to study competitors, and we look for similar products available in the market to examine strategies and price points. We brainstorm with you and develop ideas using sketching to come up with the initial concepts that will ultimately define the best possible solutions. This phase is important to make sure the product will be functional, ergonomic and aesthetically pleasing.

3D Modeling



At this stage our designers create a 3D model that will allow us to test, refine and manipulate virtual 3D products prior to moving into prototyping and production. The 3D designs are identical in dimension and detail to your desired finished product, to ensure quality and accuracy in production. Some of the software we use are: Solidworks / Pro E / AutoCad / Inventor / Zbrush / Fusion 360 / Maya.

Engineering



In this phase we look to analyze and plan the best way to manufacture your product. Our mechanical and electrical engineers analyze the 3D model and optimize it for manufacturing. Here we are often focused on the mechanisms to make the device function, fasteners, water proofing, material and finish selection. Our engineers specialize in design for manufacturing (DFM) and cost reduction.

Documentation



It is important that we keep record of the design process in every phase, therefore, we document the progress from start to finish. This allows us to communicate with you and our manufacturing and prototyping partners. Documentation helps to ensure no information is lost. We commonly refer to this document, as a prototype tech specs document, which is used for prototyping and sourcing the manufacturing of your product.

Prototype Development



During this stage we create a tangible prototype for you to allow us to further refine your concept and the intention behind its features and design. Your prototype will most likely go through different stages and will require multiple iterations. At Lime Design we count on our state of the art in-house 3D printers and CNC machinery to provide you with both draft, (Alpha prototype) and high quality video and photography ready prototypes (Beta prototype).

Patent / Intellectual Property



Lime Design has helped hundreds of clients navigate the complex intellectual property maze. We believe in working with the best patent attorneys early in the product development process. This will give our clients the strongest protection for their ideas. Further, we specialize in technical digital illustrations for both utility and design patents which are critical to the success of your global patent.

Sourcing



We pride ourselves on our ability to serve our clients manufacturing needs both in the USA and abroad. We rely on global contacts to help our clients meet their requirements on time and under budget. We work tirelessly with our partners to reduce tooling and product manufacturing costs.

Marketing

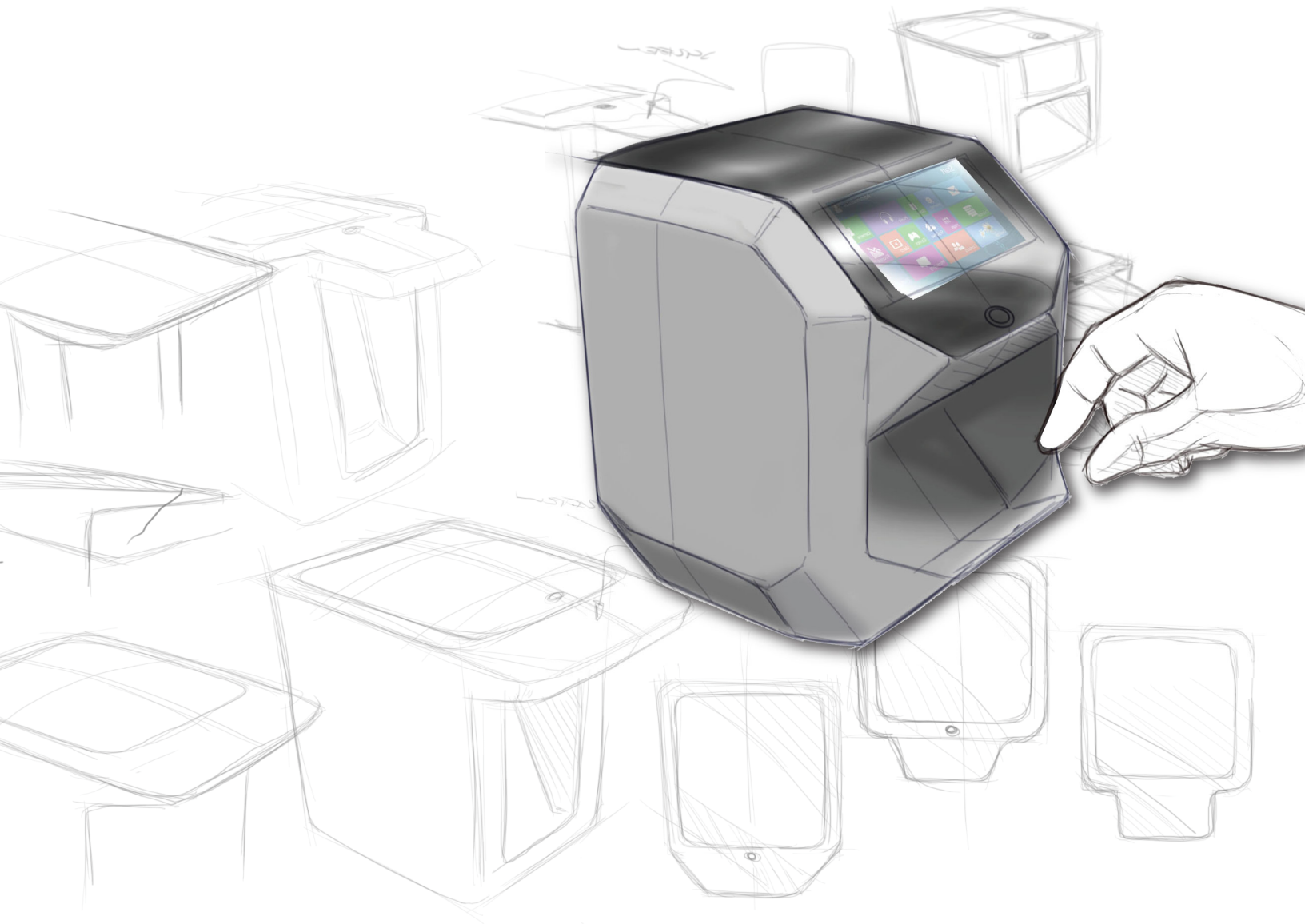


Now that you have a manufactured product, the fun really begins, and you will need a proven team to help you create sales and marketing tools needed to sell your product. We create impactful packaging, Web and e-commerce stores, animations and videos guaranteed to wow your target audience. Get Ready for **Blast OFF!**



Conceptualization

We consider research and planning the cornerstone for successful product design! With detailed information gathered, we start the creative phase through sketching and rough 3D modeling. We explore concepts and work out multiple possible solutions to the design problem at hand. This essential step typically begins by brainstorming and conceptualizing many possibilities with a goal of narrowing it down to the best 3 concepts to be presented to you. Finally, we discuss the concepts and narrow them down to one. We discuss, and refine before moving into the 3D Modeling phase.



Prototype Development

Having a tangible product prototype allows us to refine your project and explore the intention behind it's features and design. Prototypes require multiple processes, materials, tooling and finishes to achieve optimum results. Depending on the complexity of the project, multiple rounds of prototyping might be required. Lime Design distinguishes itself by offering a wide variety of services in-house such as **3D printing**, **CNC machining**, and **material selection** to help your project succeed. Prototype in hand, you are ready to start the manufacturing process.



What our clients are saying

“ **Troy F.**

Fort Lauderdale, Florida

World class service! The passion of design is in them! We went from a sketch to an actual working model. ”

“ **Brittany L.**

Fort Lauderdale, Florida

I've been working with Lime Design on several projects for approximately two years. I can honestly say that I've been extremely happy with their work. Their team of professionals work together to make each project a success. Their efficiency, energy, creativity and dedication to each project have made my experience one that I'd recommend to everyone! ”

“ **Fulvia S.**

Miami, Florida

Best company of their kind in South Florida. I really can't say enough good things about Rodrigo and his team. If you have an idea, they will help you bring it to life! ”

“ **Shea Tighe**

Charleston, SC

I'm currently working with Rodrigo and his team on bringing my idea to life and my experience thus far has been first-class. They are intelligent, creative, and truly care about the client and collaborating to achieve the goal of a market-ready product. Great team and awesome company. I can't recommend Lime Design enough. ”

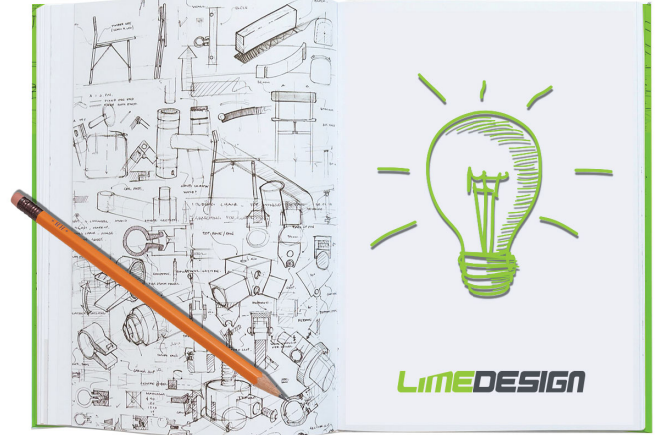
“ **Brian F.**

Detroit, Michigan

Passionate team of designers. Proud to be a friend of lime design and work with them to make meaningful products. ”

Top 10 Tips for Inventors

- 1) **Document the idea!** We recommend a bound composition book, sewn together, to track your progress by date to provide extra security and prevent tampering. In addition, we recommend an organized folder to keep all receipts, notes, contacts and any other documentation.
- 2) **Research, Research, Research** Find out everything you can about your competition, similar products, pricing, market facts and demographics. Perform your own preliminary patent search via Google Patents or USPTO.gov. Prototype and test your ideas. Refine your idea and repeat as needed.
- 3) **Shh!** Keep your idea to yourself and always execute a Non-Disclosure Agreement (NDA).
- 4) **Build a team!** Form a close group of team partners and mentors. Inform yourself by talking to people who have created products before. It is important to understand the terminology. See our Product Development Glossary to better understand the industry terms.
- 5) **Work with professionals.** The experts at Lime Design have proven success and experience to enable your idea to become either a licensed or manufactured product.
- 6) **Patent it!** Its important to select a law firm to help you protect your idea. Utility, Design Patents, Trademarks and Copyrights must be considered. We work with the finest law firms and know the right attorney to help you make the best of your investment.
- 7) **Start thinking about marketing early on.** You'll need to use all available resources to make the most impact! **Social media set up and maintenance, website, videos, content creation, photos, and realistic renderings** of your product are ways that Lime can help bring your idea to life!
- 8) **Fund it.** Inventing can be more fun when you have funding through the marvels of social media. Crowd-funding, micro-funding, taking pre-orders and finding investors interested in your ideas are all ways you can fund your idea or invention.
- 9) **Look to manufacture locally and work in the greenest manner possible.** The Lime Design team is committed to grow our local economy and have partnered with several local manufacturers, however we also source globally when the project requires. Lime Design will help you create your product in the most eco-friendly and sustainable way possible.
- 10) **Keep it simple!** Focus on less complex products at first before committing to more complicated projects.



Project Brief

The questions below are intended to serve as an initial outline of your project and will aid in getting Lime Design a basic understanding of the concept and desired outcome.

1

Project/Product Name: _____

2

Project Overview: _____

Please outline your ideas

3

Mechanical /Electrical:

Does your invention require mechanical and electrical engineering? Please specify.

4

Intellectual Property (IP)

Have you contacted an IP Attorney? if so, whom? Has a patent search been carried out?

5

Competition and Similar ideas

Are there any existing products that compete with your idea? Which ones? _____

6

Business Plan

Do you know if you plan to license or manufacture? _____

7

Team

Please list the decision makers on your team. _____

Notes

Please include any additional information you feel relevant:

Now that you have signed the NDA, **please send any sketches** or existing design information you have along with this document to **info@limecreativedesign.com**

Inventor: _____

Invention Name: _____

Date: _____

Sketch Sheet

NOTES: _____

3-2-1.....BLAST OFF!

Your product development team at Lime Design is ready to help you with everything you need to turn **your ideas into successful products**. Whether you are individual inventors, start-ups or a large company, we give you professional-grade product design, engineering, development and manufacturing support. Let Lime Design be your mission control for cost-effective quick-to-market solutions.

We know every product, project, and inventor are different, therefore we offer many different services around design, engineering, prototyping, and manufacturing to fit your needs. **Contact us today for a free consultations to help you decide which services will accomplish your goals.**

- ☐ Step 1. Contact us and sign NDA.
- ☐ Step 2. Schedule a FREE discovery meeting to discuss your idea.
- ☐ Step 3. Review and sign your estimate.
- ☐ Step 4. Sign Terms and Conditions as well as, Engagement Letter.
- ☐ Step 5. Kick Off Meeting!



To get started click **HERE**



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For financing options click **HERE**