CO — Conceptualization

1-2 weeks

Explores concept ideas that will lead on the solution of a problem and define features, benefits, mechanisms and technologies.

WHAT YOU GET
- Product Research (similar mechanisms, features and design
- 5-10 concept sketches (JPEG , PDF)

DE — Design

1-2 weeks

Explores the physical geometry of your product concept by studying the form and fuctions. This includes styling, and appearnce, this is the core of product design.

WHAT YOU GET
- Design Identity
- 5-10 designs (JPEG, PDF)

3D — 3D CAD Core

2-3 weeks

In this stage we begin surface modeling your final design into virtual 3D model with proper dimensions and proportions. This allows parts, internal components and mechanisms to be engineered in 3D advanced.

WHAT YOU GET
- 3D Model (Edrawings 3D CAD Viewer)
- Screen Shots on Multiple views (JPEG)
- General Dimensions

3D — 3D CAD Advanced

2-3 weeks

Evolving from the initial 3D CAD model, we now begin to engineer internal components, fixtures, mechanisms, Integrity of the assembly ensuring that all parts can be manufactured properly.

WHAT YOU GET
- 3D Model (Edrawings 3D CAD Viewer)
- Screen Shots on Multiple views (JPEG)
- Basic Engineering
- General Dimensions
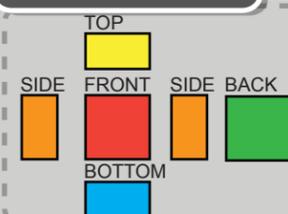- Assembly: Moving & Collision Study

RP — Rendering Package

2-3 weeks

(CGI) simulated from the 3D model. This images replicate the desired material and color appearance, making it the perfect tool to communicate how the product is going to look like.
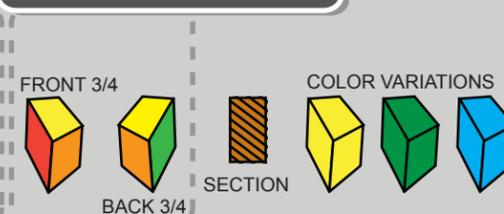

WHAT YOU GET
- Orthographic View Images (3-6)
- Isometric Views / Perspective Images (2)
- Section Cut View Image (1)
- Exploded View Image (1)
- Color Variation Images (3-5)
- 150 - 300 DPI, Jpeg, Png

ORTHOGRAPHIC VIEWS
TOP
SIDE | FRONT | SIDE | BACK
BOTTOM

ISOMETRIS VIEWS/PERSPECTIVE
FRONT 3/4
BACK 3/4
SECTION
COLOR VARIATIONS

TD

Technical Drawings

2-3 weeks

Creates a Bill Of Materials (BOM), Technical diagrams, Callouts and all the necessary information to request manufacturing and prototype quotes.

WHAT YOU GET

- Orthographics Views & Dimensions
- BOM (Bill Of Materials)
- Manufacturing Callouts

SC

Sourcing

2-3 weeks

This is our specialty with a network of certified production facilities in USA, Mexico and Asia. We can ensure great pricing and quality from our selected vendors and suppliers.

WHAT YOU GET

- 3 - 5 Quotes from different factories
- Cost analysis & sales forecasting

LG

PK

Logo & Packaging

2-3 weeks

2-3 weeks

LG: Development of a logo based on the formal and abstract attributes of the product or company that it represents. This is the corner stone for your branding.

PK: Explores different packaging concepts and material types. We then design final die-lines and structural design with your product in the final packaging.

WHAT YOU GET

LG
- 10 - 15 Logos (JPEG, PDF, PNG)
- 6 versions for different media or uses
- PMS, CMYK & RGB colors code

WHAT YOU GET

PK
- 3 - 5 Structural packaging concepts
- Packaging Die cut and color callouts
- 3D Model (Edrawings 3D CAD Viewer)

PT *PLA*

PLA / ABS PROTOTYPE

$ 6.50 IN^3

Model made out of PLA or ABS plastic from a 3D printer.

WHAT YOU GET

- PLA 3D Print Model

PD

Patent Drawings

1-2 weeks

Provides drawings in different views for the use of a patent application.

WHAT YOU GET

- Necessary views (FIGURES) for a patent application;
Orthographic, isometric, Section cut, Exploded, Sequence & Detail Views.
- Reference Numbers
- PDF, EPS, AI

Prototype House© SERVICE MAP

PRODUCT DEVELOPMENT

CO 1-2
CONCEPTUALIZATION
Concept ideiation will lead to the final design and/or mechanism's that will be engineered in the next phase. Concepts will define your products features, benefits, and technologies.

DS 1-2
DESIGN
Explores the physical geometry of your product concept by studying the form and fuctions. This includes styling, and appearnce, this is the core of product design.

3D[1] 2-3
3D CAD I
In 3D 1 we begin surface modeling your final design into virtual 3D model with proper dimensions and proportions. This allows parts, internal components and mechnisims to be engineered in 3D II.

3D[2] 2-3
3D CAD II
From the initial 3D CAD model we now begin to engineer internal compones, fixtures, mechanisms, assemblies and ensure your parts can be manufactured properly.

PR 1-2
Rendering Package
(CGI) simulated from the 3D model. This images replicate the desired material and color appearance, making it the perfect tool to communicate how the product is going to look like.

SOURCING

TD 2-3
Technical Drawings
Creates a Bill Of Materials (BOM), Technical diagrams, Callouts and all the necessary information to request manufacturing and prototype quotes.

SC 2-3
Sourcing
This is our specialty with a network of certified production facilities in USA, Mexico and Asia. We can ensure great pricing and quality from our selected vendors and suppliers.

PD 1
Patent drawings
Provides the nessasary figures and views, of your invention. These are essential to your patent application. We will save you time and money with your filling. **$50 PER SHEET OR FIGURE**

BRANDING

LG[1] 1-2
Logo I
Development of a logo based on the formal and abstract attributes of the product or company that it represents. This is the corner stone for your branding.

LG[2] 1-2
Logo II
Evolves the defined concept and explores different configurations and colors while keeping the essence of its identity.

PK[1] 1-2
Packaging I
Explores different packaging concepts and material types. We then design final die-lines and structural design with your product in the final packaging.

PK[2] 1-2
Packaging II
Refines the final packaging design with final content and graphical elements. This gives your product character and beauty to sell on any shelf!

PROTOTYPING SERVICES

PT [PLA] NA
PLA 3D Print Prototype
Model made out of PLA or ABS plastic from a 3D printer.

PT [AM] NA
Appearnce Model Production Representaion
Appreance model is a replica, normaly non fuctional model of what your product will look like right off the production line.

PT [FP] NA
Functional Prototype Time for testing
Functional protoypes allow you to test your product and make changes prior to production. This can included various materials or finishes.
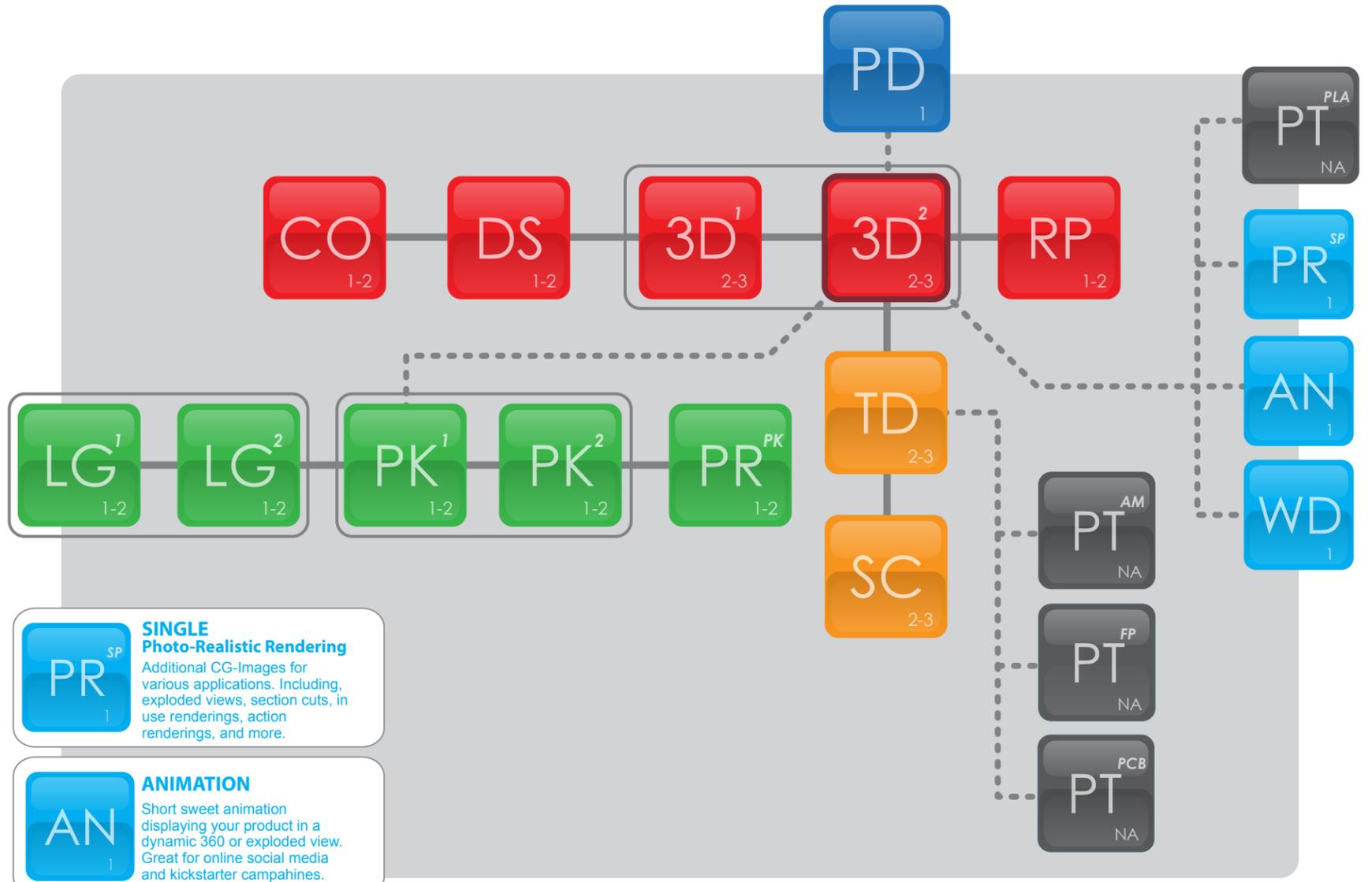
PT [PCB] NA
PCB - Electronics Prototyping
PCB - Prototypings, includes firmware development, component selection ie bluetooth, wifi ect. We will deliver working boards for your product or prototype.

SUPPORT SERVICES

PR [SP] 1
SINGLE Photo-Realistic Rendering
Additional CG-Images for various applications. Including, exploded views, section cuts, in use renderings, action renderings, and more.

AN 1
ANIMATION
Short sweet animation displaying your product in a dynamic 360 or exploded view. Great for online social media and kickstarter campaines.

WD 1
WEB DESIGN
Full landing page for your new product. Our web service enables you to capture online sales, and promote your product quickly.

Service map diagram: PD 1 — CO 1-2 — DS 1-2 — 3D[1] 2-3 — 3D[2] 2-3 — RP 1-2 — PT[PLA] NA — PR[SP] 1 — AN 1 — WD 1 — LG[1] 1-2 — LG[2] 1-2 — PK[1] 1-2 — PK[2] 1-2 — PR[PK] 1-2 — TD 2-3 — SC 2-3 — PT[AM] NA — PT[FP] NA — PT[PCB] NA

ESTIMATED PRODUCT DEVELOPMENT TIMELINE

Kick off Meeting

Timeline items: PD 1 • LG[1] 1-2 • LG[2] 1-2 • PK[1] 1-2 • PK[2] 1-2 • TD 2-3 • SC 2-3 • MF 2-3 • CO 1-2 • DS 1-2 • 3D[1] 2-3 • 3D[2] 2-3 • RP 1-2 • PT NA

WEEKS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19