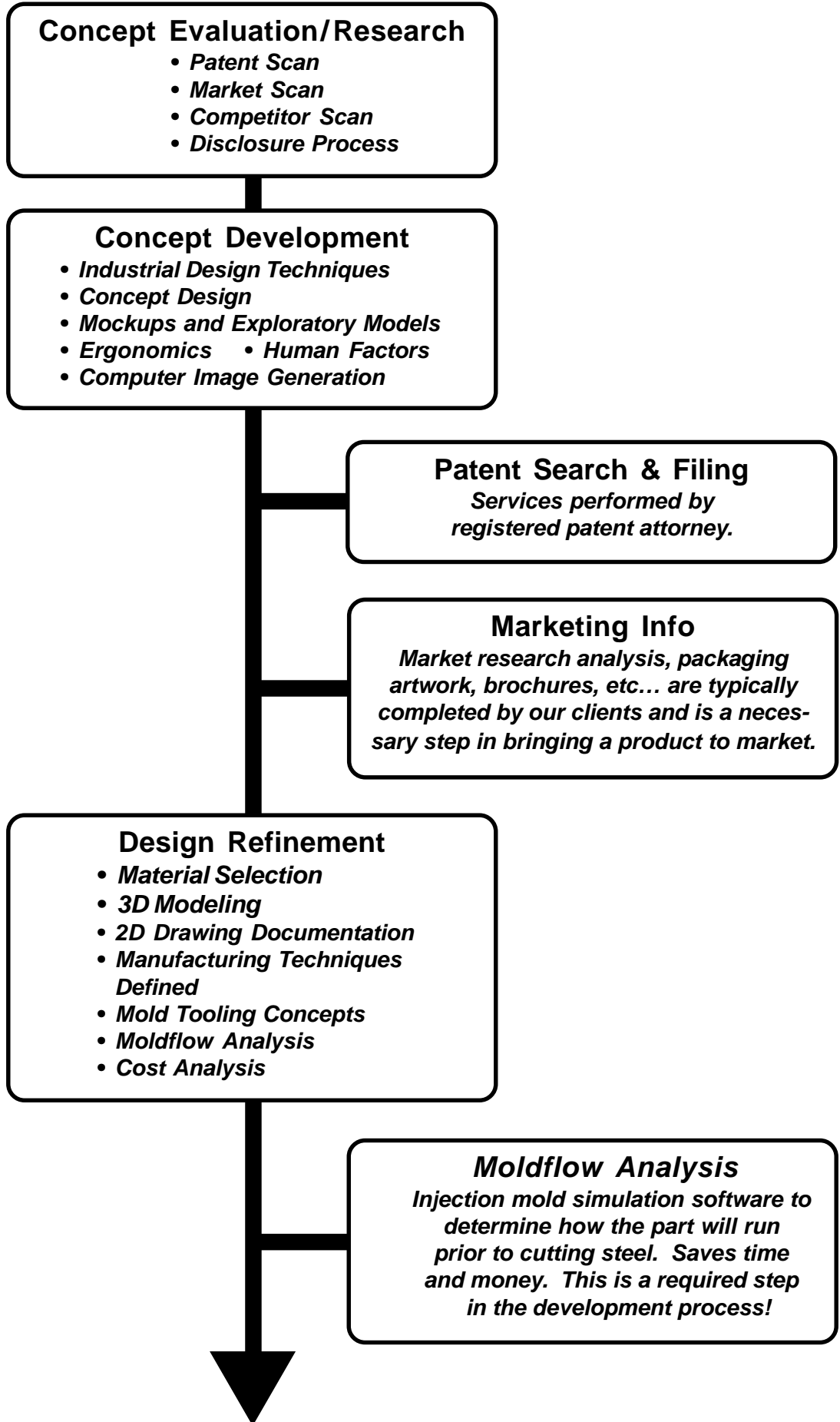


Product Development Process



Source Vendors and Raw Materials

After a manufacturing technique is decided, a vendor is selected to build and run the mold; this includes offshore vendors. All raw materials are sourced from applicable suppliers as required.

Rapid Prototyping

Highly recommended to evaluate the overall part aesthetics and functionality!

- *Stereolithography (SLA)*
- *3D Keltool— process in which a prototype mold design is fabricated.*

Prototype and/or Production Mold Design

Mold cavitation depends on the client volume requirements, cost factors, and budget. The mold design and build process incorporates all information gathered from the prototype mold & run (if applicable), as well as the following items:

- *Tool Drawings— 2D CAD documentation*
- *Part cost Refinement*

1st Article Mold Run & Debug

This is the very first time the mold is run and first parts are received. The debug process incorporates inspecting and measuring the parts and determining if there are further changes required prior to mold approval and a production run.

Production Run

After all the changes have been made, the mold is run per the volume requirements.

Assembly & Testing

Multiple components are assembled and tested according to the product specifications. All testing is recorded.