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Our Process

1 | NDA

A mutual NDA allows an open information exchange to occur so a full understanding can exist between you and your ODM/OEM regarding the scope of the new product concept.

2 | Concept Review

Concept review—exchange enough information to verify the new product concept is a good fit for our ODM/OEM capabilities.

3 | Initial RFQ

At this point it is recommended we provide an initial quote based on your current design input in order to determine if we are within expectation with respect to pricing. If it is, then you would authorize us to proceed with the CAD development. These are the items we look for in the initial RFQ:

- Functional description—a list of the functional capabilities including how the user controls the device(s)
- Overall size (height, width and depth) noted on a drawing or sketch
- Current concept configuration Bill-of-Materials (BOM) with any special components noted
- If applicable, current electronics BOM with any special components noted
- Any drawings on hand (CAD or other)
- Decoration and color break direction
- Packaging method and instructions direction (booklet ... etc.)
- Estimated first year forecast (for tool sizing)
- Quantity of Prototypes needed
- Desired production start date
- Target ex-factory unit price (FOB China)—this helps to streamline the design process
- Any special testing or certifications required
- Confirm the elements to be quoted: Typically ODM (CAD development), prototypes, tooling and unit price

4 | CAD Development

After a Jetta engineering team is assigned, CAD development begins using Pro-Engineering software with details provided throughout the process so everyone is in sync with respect to the overall design direction.

5 | Prototype

We include one works like/looks like prototype with the CAD development using rapid prototyping methods. Additional prototypes are provided at an additional fee.

6 | Tool Build

After the design is finalized and approved you would authorize us to proceed with the tool build which includes injection molds, stamping dies ... etc., sized to support the forecast you provide.

7 | Product Debug & Testing

After the tooling is complete the product debug phase begins where units are assembled first by engineers (which are called engineering pilots) and tested based on the specific qualification plan for your product. More than one engineering pilot can occur depending on the test results. Once the test results are all positive a production pilot is completed (using production workers and line fixtures) and tested in order to verify the previous test results in the actual production environment.

8 | Production

After the production pilot test results are confirmed passed production begins based on your demand plan.

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Jetta Benefits

Manufacturability

Design for manufacturability—with almost forty years of manufacturing experience, we are able to offer design suggestions that address manufacturing efficiency and mature the overall design much faster.

Cost

Design for cost—because of the sheer number of new products we have helped launch we are experts in design simplification and material selections always with the thought on how we can minimize cost.

Abuse & Reliability

Design for abuse and reliability—we are experts in anticipating how to design robustly in order to provide a quality product that fulfills the abuse and reliability expectations.

Research & Development

Research and development capabilities—we have an in house research and development team that addresses any challenges needed whether it's a new mechanism, a new material or a new production assembly method.

Development Cost

We provide these services at cost as a service and benefit to you.

Relationship/Team Building

Relationship team building—because you are working direct with the team responsible for your product we strive for an open/trusting relationship allowing for synergy to occur on a continual basis.