

3R DESIGN REVIEW SERVICE

REVIEW

Develop understanding of:

- Design
- Manufacturing processes
- Supply chain
- COGS

RESEARCH

Assess and analyze:

- DFMA opportunities
- Design feasibility
- Scalability risk
- Manufacturing processes
- Capital strategy

RECOMMEND

Action plan for increasing design robustness and decreasing cost:

- Design changes
- Projected COGS
- Optimized manufacturing processes
- Recommended supply chain

✓ **ACTION PLAN
FOR DESIGN
CHANGES**

Reduce Scale-Up Risk with 3R

Vention's 3R Design Review is a stand-alone service that reduces technical risk by reviewing, researching, and recommending a path for optimizing medical device designs using Design for Manufacturability & Assembly (DFMA) techniques.

With decades of experience, Vention has the expertise to step in and conduct an affordable, independent Design Review at any stage. Our skilled, objective team can conduct a systematic review and recommend opportunities to refine your product design, improve your manufacturing process, address yield issues, and reduce costs. The result is a comprehensive summary report with detailed, pragmatic recommendations to reduce risk and improve design reliability.

Contact us for more information about
Vention's 3R Design Review Service:

DesignAndDevelopment@ventionmedical.com

Why 3R?

- Your prototype design needs to be more scalable and cost effective to manufacture
3R can recommend a design path to achieve your commercialization goals
- You're challenged with low cost-of-goods-sold (COGS) targets
3R can recommend how to redesign your device and optimize your processes
- You're concerned about reliability and scalability in production
3R can advise on optimizing manufacturing processes and supply chain
- You need to improve product performance
3R can develop a plan for iterating your design to better meet customer and commercial needs
- You're moving a development project to a new supplier
3R can conduct an objective review of the design to highlight technical risk and recommend opportunities for improvement before the transfer

Why Vention?

- Experts in design, development, manufacturing, and assembly of complex medical devices and components
- 100+ design and development engineers with expertise in New Product Development (NPD) and New Product Introduction (NPI)
- Expertise in LEAN, Design for Excellence (DFX), and Design for Manufacturability & Assembly (DFMA)
- Access to specialized tools such as Boothroyd Dewhurst DFMA® methodology and molding flow modeling
- Specializing in interventional, surgical, and other single-use devices

About Vention Medical

Vention Medical is a global integrated solutions partner with more than 30 years of experience in design, engineering, and manufacturing of complex medical devices and components. Vention Medical specializes in components and services used in interventional and minimally invasive surgical products including catheters, reinforced shafts, balloons, extrusions, polyimide tubing, heat shrink tubing, PTFE liner tubing, molded components, and finished device assembly and packaging.

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