

Medical Composites

Medical Composites - Engineering and Manufacturing



Today's advanced medical products require materials with exceptional characteristics. They often must be flexible yet rigid....lightweight yet strong. Composiflex designs, develops, and produces innovative products that integrate materials with unique performance properties. Our *Flexible Matrix Composites* utilize high strength

fibers combined with an elastomeric matrix to produce materials that can be as rigid as metal in one direction and pliable in another. Composiflex integrates state-of-the-art materials with CAD and Finite Element Design, Clean Room Manufacturing and Interactive Customer Support to produce a variety of innovative products including:

- Biomedical composites using materials such as PEEK and Ultra PEK for use in developmental implant programs.
- Carbon, Kevlar, Spectra or glass fiber composites, either rigid or flexible, used for orthopedic and orthotic devices.
- Carbon fiber composite radiographic imaging tops and cradles as well as radiolucent positioning and retracting devices.
- Table Tops
- Cradles
- Mammography
- Radiolucent Accessories

From preliminary concept to final specifications, Composiflex has the expertise, experience and resources to rapidly transform your composite ideas into reality. We can develop an initial prototype as well as design, engineer and manufacture your final product.



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